

Full & Default Power Mode

GSM850_Ant 0		Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49	24.50
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46	24.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	24.50
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	19.50
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.26	29.58	29.51	30.50	20.26	20.58	20.51	21.50
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	22.50
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	19.00
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8		
GSM 1 Tx slot		29.43	29.69	29.82	30.50	20.43	20.69	20.82	21.50	
GPRS 1 Tx slot		29.40	29.67	29.74	30.50	20.40	20.67	20.74	21.50	
GPRS 2 Tx slots		27.49	27.87	27.93	28.50	21.49	21.87	21.93	22.50	
GPRS 3 Tx slots		26.26	26.57	26.72	27.50	22.00	22.31	22.46	23.24	
GPRS 4 Tx slots		24.94	25.06	25.37	26.50	21.94	22.06	22.37	23.50	
EDGE 1 Tx slot		25.88	25.84	25.88	27.00	16.88	16.84	16.88	18.00	
EDGE 2 Tx slots		24.58	24.52	24.66	26.00	18.58	18.52	18.66	20.00	
EDGE 3 Tx slots		22.35	22.78	22.28	23.50	18.09	18.52	18.02	19.00	
EDGE 4 Tx slots		20.72	20.71	20.89	22.00	17.72	17.71	17.89	20.00	

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.03	24.00	25.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	24.02	24.08	24.05	25.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	23.18	23.25	23.22	24.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.23	23.20	24.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.72	22.70	23.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	22.69	22.73	22.68	23.50	22.53	22.62	22.57	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.09	23.19	23.15	24.00	22.96	23.07	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.12	23.08	23.10	24.00	22.87	23.04	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.66	22.57	22.65	23.50	22.55	22.55	22.62	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.54	22.54	22.66	23.50	22.51	22.46	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	21.17	21.23	21.20	22.00	21.07	21.15	21.10	22.00
3GPP Rel 6	HSUPA Subtest-2	21.20	21.25	21.21	22.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.23	22.26	22.22	23.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.77	20.71	22.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.28	22.20	24.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.09	21.15	21.22	22.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	24.00	23.94	25.00	23.78	23.81	23.74	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.05	24.02	25.00	23.83	23.85	23.78	25.00
3GPP Rel 6	HSDPA Subtest-1	23.22	23.26	23.26	24.00	22.96	23.07	23.09	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.27	23.25	24.00	22.93	23.05	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.79	23.50	22.44	22.59	22.60	23.50
3GPP Rel 6	HSDPA Subtest-4	22.73	22.74	22.71	23.50	22.45	22.55	22.53	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.16	23.17	23.23	24.00	22.89	22.93	23.02	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.17	23.22	23.20	24.00	22.89	23.02	22.96	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.76	22.74	22.77	23.50	22.36	22.51	22.58	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.58	22.73	22.58	23.50	22.30	22.46	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.30	21.26	22.00	20.93	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-2	21.29	21.34	21.29	22.00	20.98	21.09	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	22.26	22.31	22.33	23.00	22.00	22.09	22.12	23.00
3GPP Rel 6	HSUPA Subtest-4	20.82	20.78	20.75	22.00	20.40	20.62	20.65	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.32	22.30	24.00	22.00	22.10	22.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.21	21.25	21.23	22.50	21.11	21.19	21.08	22.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tuneup Limit (dbm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		32.05	32.26	32.11	33.00	32.05	32.26	32.11	24.00	
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	23.01	23.21	23.05	23.00	
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00	
GPRS 3 Tx slots		27.86	28.04	27.92	29.00	23.60	23.78	23.66	24.74	
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00	
EDGE 1 Tx slot		26.82	26.77	26.77	27.50	17.82	17.77	17.77	18.50	
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.25	
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.24	
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50	

GSM1900_Ant 2		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.66	29.79	29.74	30.50	20.66	20.79	20.74	21.50
GPRS 1 Tx slot		29.66	29.77	29.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	19.24
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.25	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.74	22.76	22.66	23.50	22.66	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.16	22.00	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	23.41	23.43	23.38	24.5	0		
20	QPSK	1	49	23.38	23.40	23.37				
20	QPSK	1	99	23.29	23.32	23.31				
20	QPSK	50	0	22.37	22.40	22.36	23.5	1		
20	QPSK	50	24	22.32	22.35	22.34				
20	QPSK	50	50	22.34	22.37	22.34				
20	QPSK	100	0	22.35	22.37	22.35	23.5	1		
20	16QAM	1	0	22.71	22.57	22.63				
20	16QAM	1	49	22.70	22.57	22.64				
20	16QAM	1	99	22.59	22.52	22.51	22.5	2		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	2		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	21.5	3		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	Tune-up limit (dBm)	MPR (dB)		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.38	20.34				
Channel				18675	18800	19125				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	23.28	23.26	23.23	24.5	0		
15	QPSK	1	37	23.41	23.33	23.25				
15	QPSK	1	74	23.22	23.17	23.17				
15	QPSK	36	0	22.33	22.29	22.35	23.5	1		
15	QPSK	36	20	22.24	22.19	22.22				
15	QPSK	36	39	22.30	22.24	22.23				
15	QPSK	75	0	22.34	22.32	22.23	23.5	1		
15	16QAM	1	0	22.42	22.58	22.50				
15	16QAM	1	37	22.52	22.62	22.56				
15	16QAM	1	74	22.46	22.58	22.39	22.5	2		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	2		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	2		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	3		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	23.29	23.33	23.35	24.5	0		
10	QPSK	1	25	23.35	23.33	23.39				
10	QPSK	1	49	23.29	23.25	23.17				
10	QPSK	25	0	22.36	22.23	22.25	23.5	1		
10	QPSK	25	12	22.29	22.17	22.19				
10	QPSK	25	25	22.29	22.30	22.26				
10	QPSK	50	0	22.27	22.24	22.24	23.5	1		
10	16QAM	1	0	22.54	22.57	22.51				
10	16QAM	1	25	22.53	22.66	22.51				
10	16QAM	1	49	22.48	22.45	22.36	22.5	2		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	2		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.58	21.37				
10	64QAM	1	25	21.49	21.45	21.47	22.5	2		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21	21.5	3		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	23.23	23.33	23.27	24.5	0		
5	QPSK	1	12	23.42	23.39	23.22				
5	QPSK	1	24	23.28	23.21	23.30				
5	QPSK	12	0	22.39	22.25	22.21	23.5	1		
5	QPSK	12	7	22.25	22.19	22.25				
5	QPSK	12	13	22.26	22.22	22.23				
5	QPSK	25	0	22.30	22.33	22.33	23.5	1		
5	16QAM	1	0	22.47	22.62	22.61				
5	16QAM	1	12	22.44	22.56	22.50				
5	16QAM	1	24	22.47	22.53	22.47	22.5	2		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	2		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	2		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	3		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	23.35	23.30	23.25	24.5	0		
3	QPSK	1	8	23.29	23.37	23.28				
3	QPSK	1	14	23.27	23.14	23.19				
3	QPSK	8	0	22.28	22.29	22.34	23.5	1		
3	QPSK	8	4	22.27	22.21	22.28				
3	QPSK	8	7	22.26	22.22	22.26				
3	QPSK	15	0	22.22	22.22	22.22	23.5	1		
3	16QAM	1	0	22.51	22.62	22.49				
3	16QAM	1	8	22.49	22.64	22.61				
3	16QAM	1	14	22.45	22.58	22.50	22.5	2		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	2		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	21.5	3		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	Tune-up limit (dBm)	MPR (dB)		
3	64QAM	8	7	20.36	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	23.36	23.32	23.28	24.5	0		
1.4	QPSK	1	3	23.29	23.36	23.26				
1.4	QPSK	1	23	23.19	23.16	23.18				
1.4	QPSK	3	0	23.26	23.30	23.26	23.5	1		
1.4	QPSK	3	1	23.40	23.29	23.22				
1.4	QPSK	3	3	23.18	23.20	23.20				
1.4	QPSK	6	0	22.22	22.26	22.25	23.5	1		
1.4	16QAM	1	0	22.46	22.70	22.54				
1.4	16QAM	1	3	22.43	22.65	22.59				
1.4	16QAM	1	6	22.39	22.48	22.38	22.5	2		
1.4	16QAM	3	0	22.52	22.68	22.45				
1.4	16QAM	3	1	22.51	22.68	22.52				
1.4	16QAM	3	3	22.47	22.58	22.48	22.5	2		
1.4	16QAM	6	0	21.23	21.30	21.29				
1.4	64QAM	1	0	21.39	21.59	21.48				
1.4	64QAM	1	3	21.55	21.53	21.34	22.5	2		
1.4	64QAM	1	5	21.47	21.32	21.44				
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	1	21.56	21.48	21.44	21.5	3		
1.4	64QAM	3	3	21.46	21.32	21.39				
1.4	64QAM	6	0	20.35	20.31	20.30				

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.29	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.16	22.26			
20	QPSK	100	0	22.24	22.23	22.26	23.5	1	
20	16QAM	1	0	22.52	22.53	22.49			
20	16QAM	1	49	22.53	22.51	22.48			
20	16QAM	1	99	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.21	21.24			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	22.5	2	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.22	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.18			
10	QPSK	25	25	22.14	22.14	22.14			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.20			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.16	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.24			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.14	22.24	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.14			
5	QPSK	12	13	22.18	22.15	22.21			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.06	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.14	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.16	22.12			
3	QPSK	15	0	22.09	22.27	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.40			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.30	21.43	21.29			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.06	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.23			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1	
1.4	16QAM	1	0	22.40	22.38	22.36	23.5	1	
1.4	16QAM	1	3	22.48	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45			
1.4	16QAM	3	0	22.38	22.38	22.38	22.5	2	
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46			
1.4	64QAM	1	0	21.33	21.38	21.36	22.5	2	
1.4	64QAM	1	3	21.29	21.37	21.41			
1.4	64QAM	1	5	21.21	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26	21.5	3	
1.4	64QAM	3	1	21.26	21.38	21.30			
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3	

Band 5_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.76	23.87	23.86	25	0			
10	QPSK	1	25	23.66	23.74	23.53					
10	QPSK	1	49	23.70	23.82	23.74					
10	QPSK	25	0	22.64	22.77	22.74					
10	QPSK	25	12	22.63	22.67	22.72	24	1			
10	QPSK	25	25	22.63	22.69	22.70					
10	QPSK	50	0	22.67	22.75	22.73					
10	16QAM	1	0	22.74	22.93	22.97					
10	16QAM	1	25	22.74	22.74	23.02	24	1			
10	16QAM	1	49	22.71	23.00	22.97					
10	16QAM	25	0	21.66	21.63	21.74					
10	16QAM	25	12	21.60	21.71	21.69					
10	16QAM	25	25	21.60	21.78	21.71	23	2			
10	16QAM	50	0	21.62	21.73	21.71					
10	64QAM	1	0	21.93	22.06	21.96					
10	64QAM	1	25	21.85	21.77	21.95					
10	64QAM	1	49	21.84	21.98	21.81	22	3			
10	64QAM	25	0	20.60	20.73	20.66					
10	64QAM	25	12	20.52	20.62	20.69					
10	64QAM	25	25	20.66	20.68	20.81					
10	64QAM	50	0	20.63	20.68	20.74	Tune-up limit (dBm)		MPR (dB)		
Channel				20425	20525	20625					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	23.75	23.85	23.83	25	0			
5	QPSK	1	12	23.54	23.73	23.39					
5	QPSK	1	24	23.65	23.77	23.62					
5	QPSK	12	0	22.60	22.72	22.61					
5	QPSK	12	7	22.51	22.56	22.71	24	1			
5	QPSK	12	13	22.55	22.62	22.62					
5	QPSK	25	0	22.56	22.62	22.66					
5	16QAM	1	0	22.67	22.80	22.91					
5	16QAM	1	12	22.61	22.62	22.93	24	1			
5	16QAM	1	24	22.67	22.90	22.86					
5	16QAM	12	0	21.65	21.54	21.72					
5	16QAM	12	7	21.56	21.64	21.65					
5	16QAM	12	13	21.57	21.73	21.70	23	2			
5	16QAM	25	0	21.61	21.66	21.58					
5	64QAM	1	0	21.89	22.01	21.87					
5	64QAM	1	12	21.75	21.69	21.94					
5	64QAM	1	24	21.72	21.93	21.76	22	3			
5	64QAM	12	0	20.49	20.67	20.60					
5	64QAM	12	7	20.46	20.50	20.58					
5	64QAM	12	13	20.57	20.55	20.72					
5	64QAM	25	0	20.68	20.62	20.74	Tune-up limit (dBm)		MPR (dB)		
Channel				20415	20525	20635					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.74	23.81	23.76	25	0			
3	QPSK	1	8	23.52	23.66	23.39					
3	QPSK	1	14	23.61	23.69	23.70					
3	QPSK	8	0	22.57	22.76	22.71					
3	QPSK	8	4	22.62	22.59	22.69	24	1			
3	QPSK	8	7	22.60	22.61	22.69					
3	QPSK	15	0	22.59	22.73	22.64					
3	16QAM	1	0	22.62	22.89	22.88					
3	16QAM	1	8	22.72	22.68	22.97	24	1			
3	16QAM	1	14	22.68	22.88	22.91					
3	16QAM	8	0	21.65	21.57	21.63					
3	16QAM	8	4	21.48	21.63	21.63					
3	16QAM	8	7	21.59	21.64	21.64	23	2			
3	16QAM	15	0	21.53	21.61	21.56					
3	64QAM	1	0	21.80	21.95	21.95					
3	64QAM	1	8	21.78	21.69	21.88					
3	64QAM	1	14	21.70	21.85	21.70	23	2			
3	64QAM	8	0	20.49	20.66	20.51					
3	64QAM	8	4	20.42	20.48	20.57					
3	64QAM	8	7	20.63	20.65	20.73					
3	64QAM	15	0	20.68	20.59	20.65	Tune-up limit (dBm)		MPR (dB)		
Channel				20407	20525	20643					
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	23.69	23.72	23.84	25	0			
1.4	QPSK	1	3	23.51	23.71	23.45					
1.4	QPSK	1	5	23.57	23.77	23.65					
1.4	QPSK	3	0	23.71	23.80	23.85					
1.4	QPSK	3	1	23.63	23.68	23.45	24	1			
1.4	QPSK	3	3	23.69	23.70	23.73					
1.4	QPSK	6	0	22.58	22.61	22.65					
1.4	16QAM	1	0	22.73	22.91	22.88					
1.4	16QAM	1	3	22.64	22.59	23.00	24	1			
1.4	16QAM	1	5	22.66	22.86	22.84					
1.4	16QAM	3	0	22.73	22.86	22.87					
1.4	16QAM	3	1	22.64	22.71	23.01					
1.4	16QAM	3	3	22.59	22.88	22.86	23	2			
1.4	16QAM	6	0	21.57	21.64	21.67					
1.4	64QAM	1	0	21.92	21.93	21.87					
1.4	64QAM	1	3	21.82	21.73	21.92					
1.4	64QAM	1	5	21.80	21.92	21.80	23	2			
1.4	64QAM	3	0	21.49	21.75	21.69					
1.4	64QAM	3	1	21.53	21.69	21.70					
1.4	64QAM	3	3	21.98	21.99	21.97					
1.4	64QAM	6	0	20.60	20.59	20.77	22	3			

Band 5_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.63	23.66	23.64	25	0				
10	QPSK	1	25	23.49	23.44	23.50						
10	QPSK	1	49	23.47	23.61	23.57						
10	QPSK	25	0	22.59	22.63	22.55						
10	QPSK	25	12	22.54	22.49	22.50	24	1				
10	QPSK	25	25	22.55	22.56	22.47						
10	QPSK	50	0	22.56	22.60	22.52						
10	16QAM	1	0	22.85	23.05	22.80						
10	16QAM	1	25	22.80	22.81	23.01	24	1				
10	16QAM	1	49	22.88	22.87	22.93						
10	16QAM	25	0	21.57	21.47	21.60						
10	16QAM	25	12	21.62	21.42	21.64						
10	16QAM	25	25	21.61	21.48	21.62	23	2				
10	16QAM	50	0	21.61	21.46	21.61						
10	64QAM	1	0	21.75	21.87	21.80						
10	64QAM	1	25	21.76	21.60	21.66						
10	64QAM	1	49	21.62	21.68	21.94	22	3				
10	64QAM	25	0	20.50	20.53	20.61						
10	64QAM	25	12	20.49	20.48	20.48						
10	64QAM	25	25	20.52	20.58	20.52						
10	64QAM	50	0	20.51	20.51	20.61						
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (dB)				
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.51	23.64	23.58	25	0				
5	QPSK	1	12	23.41	23.42	23.42						
5	QPSK	1	24	23.32	23.59	23.52						
5	QPSK	12	0	22.48	22.58	22.40						
5	QPSK	12	7	22.52	22.46	22.45	24	1				
5	QPSK	12	13	22.40	22.33	22.33						
5	QPSK	25	0	22.54	22.57	22.48						
5	16QAM	1	0	22.84	23.03	22.66						
5	16QAM	1	12	22.58	22.71	22.90	24	1				
5	16QAM	1	24	22.80	22.84	22.92						
5	16QAM	12	0	21.49	21.46	21.53						
5	16QAM	12	7	21.58	21.30	21.53						
5	16QAM	12	13	21.53	21.41	21.61	23	2				
5	16QAM	25	0	21.58	21.60	21.58						
5	64QAM	1	0	21.63	21.85	21.75						
5	64QAM	1	12	21.61	21.56	21.64						
5	64QAM	1	24	21.48	21.59	21.85	22	3				
5	64QAM	12	0	20.40	20.40	20.48						
5	64QAM	12	7	20.34	20.36	20.36						
5	64QAM	12	13	20.40	20.56	20.41						
5	64QAM	25	0	20.42	20.50	20.55						
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (dB)				
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	23.54	23.64	23.61	25	0				
3	QPSK	1	8	23.35	23.41	23.40						
3	QPSK	1	14	23.41	23.43	23.48						
3	QPSK	8	0	22.53	22.61	22.42						
3	QPSK	8	4	22.43	22.44	22.40	24	1				
3	QPSK	8	7	22.41	22.52	22.40						
3	QPSK	15	0	22.54	22.56	22.44						
3	16QAM	1	0	22.80	22.93	22.73						
3	16QAM	1	8	22.70	22.78	22.89	24	1				
3	16QAM	1	14	22.77	22.83	22.83						
3	16QAM	8	0	21.53	21.37	21.46						
3	16QAM	8	4	21.57	21.39	21.53						
3	16QAM	8	7	21.53	21.37	21.56	23	2				
3	16QAM	15	0	21.59	21.31	21.47						
3	64QAM	1	0	21.63	21.78	21.79						
3	64QAM	1	8	21.65	21.53	21.55						
3	64QAM	1	14	21.55	21.61	21.88	23	2				
3	64QAM	8	0	20.49	20.41	20.60						
3	64QAM	8	4	20.36	20.44	20.36						
3	64QAM	8	7	20.47	20.39	20.40						
3	64QAM	15	0	20.43	20.42	20.48	22	3				
Channel				20407	20525	20643			Tune-up limit (dbm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.57	23.56	23.57			25	0		
1.4	QPSK	1	3	23.46	23.42	23.43						
1.4	QPSK	1	5	23.37	23.51	23.40						
1.4	QPSK	3	0	23.54	23.60	23.54						
1.4	QPSK	3	1	23.45	23.29	23.49	24	1				
1.4	QPSK	3	3	23.46	23.54	23.45						
1.4	QPSK	6	0	22.43	22.47	22.39						
1.4	16QAM	1	0	22.78	22.99	22.67						
1.4	16QAM	1	3	22.60	22.69	22.80	24	1				
1.4	16QAM	1	5	22.87	22.79	22.87						
1.4	16QAM	3	0	22.80	23.02	22.79						
1.4	16QAM	3	1	22.66	22.79	22.90						
1.4	16QAM	3	3	22.74	22.72	22.86	23	2				
1.4	16QAM	6	0	21.50	21.37	21.58						
1.4	64QAM	1	0	21.71	21.77	21.67						
1.4	64QAM	1	3	21.62	21.53	21.63						
1.4	64QAM	1	5	21.61	21.67	21.83	23	2				
1.4	64QAM	3	0	21.61	21.85	21.68						
1.4	64QAM	3	1	21.63	21.59	21.57						
1.4	64QAM	3	3	21.60	21.54	21.91						
1.4	64QAM	6	0	20.45	20.42	20.50	22	3				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77			
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.85			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	22.5	2	
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.78	20.72			
Channel				20825	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5 <th rowspan="4">0<th rowspan="4"></th></th>	0 <th rowspan="4"></th>	
15	QPSK	1	0	23.67	23.79	23.76			
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60			
15	16QAM	1	0	22.67	22.86	22.88	23.5	1	
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60	22.5	2	
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.89	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56			
15	64QAM	36	39	20.56	20.77	20.69	21.5	3	
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5 <th rowspan="4">0<th rowspan="4"></th></th>	0 <th rowspan="4"></th>	
10	QPSK	1	0	23.65	23.79	23.72			
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64			
10	16QAM	1	0	22.75	22.80	22.88	23.5	1	
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57	22.5	2	
10	16QAM	25	25	21.62	21.67	21.68			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69			
10	64QAM	25	25	20.60	20.72	20.62	21.5	3	
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5 <th rowspan="4">0<th rowspan="4"></th></th>	0 <th rowspan="4"></th>	
5	QPSK	1	0	23.60	23.85	23.65			
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65			
5	16QAM	1	0	22.73	22.81	22.89	23.5	1	
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58	22.5	2	
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.82	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67			
5	64QAM	12	13	20.62	20.75	20.57	21.5	3	
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.53	23.67	23.55			
20	QPSK	1	49	23.49	23.65	23.50			
20	QPSK	1	99	23.41	23.53	23.51	23.5	1	
20	QPSK	50	0	22.52	22.60	22.51			
20	QPSK	50	24	22.49	22.58	22.39			
20	QPSK	50	50	22.51	22.52	22.47			
20	QPSK	100	0	22.48	22.52	22.43	23.5	1	
20	16QAM	1	0	22.62	22.90	22.70			
20	16QAM	1	49	22.69	22.66	22.70			
20	16QAM	1	99	22.76	22.69	22.80			
20	16QAM	50	0	21.51	21.47	21.46	22.5	2	
20	16QAM	50	24	21.50	21.51	21.42			
20	16QAM	50	50	21.50	21.44	21.46			
20	16QAM	100	0	21.51	21.47	21.44			
20	64QAM	1	0	21.75	21.76	21.68	22.5	2	
20	64QAM	1	49	21.79	21.61	21.71			
20	64QAM	1	99	21.70	21.52	21.65			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45	21.5	3	
20	64QAM	50	50	20.58	20.51	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20825	21100	21375	24.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.51	23.66	23.43			
15	QPSK	1	37	23.37	23.63	23.45			
15	QPSK	1	74	23.33	23.44	23.49	23.5	1	
15	QPSK	36	0	22.50	22.46	22.50			
15	QPSK	36	20	22.43	22.48	22.32			
15	QPSK	36	39	22.44	22.42	22.36			
15	QPSK	75	0	22.39	22.44	22.36	23.5	1	
15	16QAM	1	0	22.62	22.78	22.66			
15	16QAM	1	37	22.63	22.52	22.69	23.5	1	
15	16QAM	1	74	22.65	22.64	22.65			
15	16QAM	36	0	21.36	21.40	21.38	22.5	2	
15	16QAM	36	20	21.44	21.50	21.32			
15	16QAM	36	39	21.56	21.41	21.38			
15	16QAM	75	0	21.40	21.33	21.32			
15	64QAM	1	0	21.69	21.67	21.64	22.5	2	
15	64QAM	1	37	21.68	21.47	21.64			
15	64QAM	1	74	21.61	21.42	21.50	21.5	3	
15	64QAM	36	0	20.48	20.48	20.41			
15	64QAM	36	20	20.36	20.46	20.42			
15	64QAM	36	39	20.51	20.36	20.39			
15	64QAM	75	0	20.47	20.50	20.34	24.5 <th colspan="2" rowspan="4">0</th>	0	
Channel				20800	21100	21400			
Frequency (MHz)				2506	2535	2565			
10	QPSK	1	0	23.38	23.55	23.48			
10	QPSK	1	25	23.45	23.40	23.38			
10	QPSK	1	49	23.40	23.50	23.40			
10	QPSK	25	0	22.48	22.58	22.48			
10	QPSK	25	12	22.41	22.43	22.31			
10	QPSK	25	25	22.42	22.42	22.36			
10	QPSK	50	0	22.36	22.50	22.41			
10	16QAM	1	0	22.50	22.77	22.65			
10	16QAM	1	25	22.64	22.51	22.65			
10	16QAM	1	49	22.75	22.60	22.75			
10	16QAM	25	12	21.41	21.43	21.41			
10	16QAM	25	12	21.44	21.39	21.38			
10	16QAM	25	25	21.50	21.36	21.37			
10	16QAM	50	0	21.36	21.45	21.37			
10	16QAM	1	0	21.69	21.65	21.63			
10	64QAM	1	25	21.68	21.52	21.65			
10	64QAM	1	49	21.68	21.49	21.62			
10	64QAM	25	0	20.48	20.41	20.33			
10	64QAM	25	12	20.39	20.42	20.34			
10	64QAM	25	25	20.46	20.43	20.36			
10	64QAM	50	0	20.45	20.46	20.32			
Channel				20775	21100	21425	24.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.40	23.66	23.41			
5	QPSK	1	12	23.41	23.62	23.38			
5	QPSK	1	24	23.28	23.38	23.40			
5	QPSK	12	0	22.41	22.48	22.36			
5	QPSK	12	7	22.47	22.48	22.36			
5	QPSK	12	13	22.48	22.43	22.32			
5	QPSK	25	0	22.44	22.44	22.34			
5	16QAM	1	0	22.62	22.62	22.65			
5	16QAM	1	12	22.41	22.43	22.62			
5	16QAM	1	24	22.69	22.62	22.77			
5	16QAM	12	0	21.50	21.45	21.40			
5	16QAM	12	7	21.38	21.50	21.40			
5	16QAM	12	13	21.49	21.35	21.41			
5	16QAM	25	0	21.38	21.41	21.41			
5	64QAM	1	0	21.62	21.67	21.61			
5	64QAM	1	12	21.75	21.46	21.56			
5	64QAM	1	24	21.68	21.39	21.52			
5	64QAM	12	0	20.46	20.43	20.34			
5	64QAM	12	7	20.40	20.41	20.32			
5	64QAM	12	13	20.49	20.40	20.36			
5	64QAM	25	0	20.40	20.41	20.27			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5 <th colspan="2" rowspan="3">0</th>	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37	23.5	1		
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81	22.5	2		
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5 <th colspan="2" rowspan="3">0</th>	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1		
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1		
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2		
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	3		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23870	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.35	23.40	23.38	24.5	0		
10	QPSK	1	25	23.33	23.38	23.20				
10	QPSK	1	49	23.30	23.23	23.34				
10	QPSK	25	0	22.31	22.33	22.28				
10	QPSK	25	12	22.25	22.31	22.25	23.5	1		
10	QPSK	25	25	22.29	22.21	22.25				
10	QPSK	50	0	22.23	22.25	22.21				
10	16QAM	1	0	22.41	22.28	22.50				
10	16QAM	1	25	22.58	22.42	22.60	23.5	1		
10	16QAM	1	49	22.43	22.21	22.61				
10	16QAM	25	0	21.19	21.21	21.19				
10	16QAM	25	12	21.18	21.34	21.23				
10	16QAM	25	25	21.22	21.27	21.18	22.5	2		
10	16QAM	50	0	21.20	21.29	21.19				
10	64QAM	1	0	21.40	21.32	21.38				
10	64QAM	1	25	21.40	21.52	21.54				
10	64QAM	1	49	21.52	21.34	21.56	22.5	2		
10	64QAM	25	0	20.30	20.18	20.25				
10	64QAM	25	12	20.23	20.22	20.29				
10	64QAM	25	25	20.32	20.22	20.26				
10	64QAM	50	0	20.23	20.20	20.24	21.5	3		
Channel				23755 <th>23790</th> <th>23825</th>	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.33	23.35	23.24				24.5
5	QPSK	1	12	23.29	23.25	23.09				
5	QPSK	1	24	23.15	23.10	23.23				
5	QPSK	12	0	22.26	22.18	22.22				
5	QPSK	12	7	22.16	22.27	22.18	23.5	1		
5	QPSK	12	13	22.16	22.18	22.22				
5	QPSK	25	0	22.17	22.23	22.12				
5	16QAM	1	0	22.39	22.17	22.48				
5	16QAM	1	12	22.57	22.40	22.52	23.5	1		
5	16QAM	1	24	22.42	22.28	22.46				
5	16QAM	12	0	21.12	21.14	21.07				
5	16QAM	12	7	21.12	21.19	21.11				
5	16QAM	12	13	21.11	21.15	21.09	22.5	2		
5	16QAM	25	0	21.14	21.24	21.12				
5	64QAM	1	0	21.45	21.20	21.35				
5	64QAM	1	12	21.29	21.40	21.44				
5	64QAM	1	24	21.14	21.27	21.54	22.5	2		
5	64QAM	12	0	20.17	20.28	20.15				
5	64QAM	12	7	20.21	20.18	20.20				
5	64QAM	12	13	20.23	20.19	20.24				
5	64QAM	25	0	20.17	20.06	20.13	21.5	3		

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	24.5	0	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.86	22.83			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	16QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	22.5	2	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77	24.5	0	
10	QPSK	1	25	23.64	23.84	23.68			
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75	23.5	1	
10	QPSK	25	12	22.68	22.78	22.65			
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68	23.5	1	
10	16QAM	1	0	22.95	23.03	23.10			
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.90	23.01	23.05	22.5	2	
10	16QAM	25	0	21.52	21.67	21.75			
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71	22.5	2	
10	16QAM	50	0	21.74	21.73	21.88			
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97	21.5	3	
10	64QAM	1	49	22.00	22.05	22.03			
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84	21.5	3	
10	64QAM	25	25	20.71	20.79	20.85			
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.90	23.77	24.5	0	
5	QPSK	1	12	23.70	23.86	23.81			
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72	23.5	1	
5	QPSK	12	7	22.61	22.68	22.66			
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78	23.5	1	
5	16QAM	1	0	22.96	22.95	23.05			
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06	22.5	2	
5	16QAM	12	0	21.60	21.64	21.80			
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76	22.5	2	
5	16QAM	25	0	21.66	21.76	21.89			
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94	21.5	3	
5	64QAM	1	24	22.05	22.09	22.04			
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78	21.5	3	
5	64QAM	12	13	20.74	20.78	20.80			
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.79	24.5	0	
3	QPSK	1	8	23.61	23.82	23.72			
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71	23.5	1	
3	QPSK	8	4	22.63	22.76	22.75			
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76	23.5	1	
3	16QAM	1	0	22.85	23.03	23.09			
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.71	22.5	2	
3	16QAM	8	0	21.50	21.63	21.79			
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76	22.5	2	
3	16QAM	15	0	21.63	21.73	21.78			
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.85	21.5	3	
3	64QAM	1	14	22.00	22.08	22.00			
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78	21.5	3	
3	64QAM	8	7	20.71	20.74	20.80			
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77	24.5	0	
1.4	QPSK	1	3	23.59	23.79	23.73			
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.75	23.5	1	
1.4	QPSK	3	1	23.63	23.78	23.72			
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76	23.5	1	
1.4	16QAM	1	0	22.87	23.02	23.03			
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97	22.5	2	
1.4	16QAM	3	0	22.95	22.94	23.10			
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97	22.5	2	
1.4	16QAM	6	0	21.71	21.76	21.81			
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00	21.5	3	
1.4	64QAM	1	5	22.01	22.08	22.01			
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93	21.5	3	
1.4	64QAM	3	3	22.10	22.09	21.97			
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	24.5	0	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	75	0	22.60	22.62	22.58	23.5	1	
15	16QAM	1	0	22.71	22.60	23.02			
15	16QAM	1	37	23.00	22.97	22.93			
15	16QAM	1	74	22.85	22.96	22.82	22.5	2	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	2	
15	16QAM	75	0	21.57	21.48	21.59			
15	16QAM	1	0	21.63	21.37	21.52			
15	16QAM	1	37	21.62	21.60	21.57	22.5	2	
15	16QAM	1	74	21.59	21.56	21.60			
15	16QAM	36	0	20.60	20.52	20.54			
15	16QAM	36	20	20.60	20.49	20.57	21.5	3	
15	16QAM	36	39	20.51	20.55	20.58			
15	16QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				819	831.5	844	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	23.69	23.67	23.63			
10	QPSK	1	25	23.40	23.54	23.55			
10	QPSK	1	49	23.33	23.44	23.65			
10	QPSK	25	0	22.56	22.54	22.48	23.5	1	
10	QPSK	25	12	22.57	22.44	22.51			
10	QPSK	25	25	22.42	22.37	22.36			
10	QPSK	50	0	22.56	22.55	22.44	23.5	1	
10	16QAM	1	0	22.71	22.88	22.88			
10	16QAM	1	25	22.92	22.82	22.78			
10	16QAM	1	49	22.77	22.82	22.81	22.5	2	
10	16QAM	25	0	21.40	21.52	21.58			
10	16QAM	25	12	21.56	21.36	21.44			
10	16QAM	25	25	21.52	21.45	21.44	21.5	3	
10	16QAM	50	0	21.42	21.47	21.49			
10	16QAM	1	0	21.51	21.33	21.41			
10	16QAM	1	25	21.52	21.46	21.42	22.5	2	
10	16QAM	1	49	21.56	21.51	21.45			
10	16QAM	25	0	20.45	20.47	20.46			
10	16QAM	25	12	20.49	20.35	20.43	21.5	3	
10	16QAM	25	25	20.45	20.36	20.48			
10	16QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.71	23.71	23.63			
5	QPSK	1	12	23.36	23.52	23.57			
5	QPSK	1	24	23.32	23.46	23.64			
5	QPSK	12	0	22.58	22.64	22.52	23.5	1	
5	QPSK	12	7	22.45	22.41	22.50			
5	QPSK	12	13	22.50	22.31	22.40			
5	QPSK	25	0	22.51	22.59	22.56	23.5	1	
5	16QAM	1	0	22.62	22.97	22.86			
5	16QAM	1	12	22.96	22.82	22.87			
5	16QAM	1	24	22.79	22.95	22.76	22.5	2	
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	2	
5	16QAM	25	0	21.43	21.45	21.43			
5	16QAM	1	0	21.51	21.51	21.45			
5	16QAM	1	12	21.40	21.52	21.43	21.5	3	
5	16QAM	1	24	21.45	21.44	21.49			
5	16QAM	12	0	20.59	20.38	20.39			
5	16QAM	12	7	20.59	20.34	20.43	21.5	3	
5	16QAM	12	13	20.39	20.46	20.48			
5	16QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dbm)	MPR (db)	
3	QPSK	1	0	23.61	23.63	23.65			
3	QPSK	1	8	23.32	23.48	23.46			
3	QPSK	1	14	23.34	23.53	23.58			
3	QPSK	8	0	22.56	22.57	22.54	23.5	1	
3	QPSK	8	4	22.48	22.41	22.39			
3	QPSK	8	7	22.42	22.32	22.41			
3	QPSK	15	0	22.49	22.56	22.49	23.5	1	
3	16QAM	1	0	22.68	22.92	22.91			
3	16QAM	1	8	22.99	22.87	22.84			
3	16QAM	1	14	22.84	22.92	22.74	22.5	2	
3	16QAM	8	0	21.53	21.40	21.42			
3	16QAM	8	4	21.55	21.45	21.36			
3	16QAM	8	7	21.41	21.41	21.42	22.5	2	
3	16QAM	15	0	21.44	21.37	21.45			
3	16QAM	1	0	21.48	21.31	21.51			
3	16QAM	1	8	21.56	21.56	21.44	21.5	3	
3	16QAM	1	14	21.46	21.53	21.49			
3	16QAM	8	0	20.48	20.49	20.47			
3	16QAM	8	4	20.46	20.47	20.49	21.5	3	
3	16QAM	8	7	20.42	20.53	20.55			
3	16QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dbm)	MPR (db)	
1.4	QPSK	1	0	23.71	23.60	23.57			
1.4	QPSK	1	3	23.46	23.55	23.58			
1.4	QPSK	1	5	23.39	23.47	23.54			
1.4	QPSK	3	0	23.58	23.66	23.59	23.5	1	
1.4	QPSK	3	1	23.46	23.56	23.46			
1.4	QPSK	3	3	23.43	23.50	23.53			
1.4	QPSK	6	0	22.65	22.53	22.55	23.5	1	
1.4	16QAM	1	0	22.65	22.98	22.95			
1.4	16QAM	1	3	22.99	22.94	22.80			
1.4	16QAM	1	5	22.75	22.94	22.81	23.5	1	
1.4	16QAM	3	0	22.66	22.88	22.91			
1.4	16QAM	3	1	22.90	22.87	22.90			
1.4	16QAM	3	3	22.84	22.89	22.74	22.5	2	
1.4	16QAM	6	0	21.55	21.36	21.46			
1.4	16QAM	3	1	21.53	21.32	21.52			
1.4	16QAM	1	3	21.57	21.59	21.55	22.5	2	
1.4	16QAM	1	5	21.58	21.55	21.48			
1.4	16QAM	3	0	21.57	21.32	21.39			
1.4	16QAM	3	1	21.53	21.54	21.52	21.5	3	
1.4	16QAM	3	3	21.51	21.41	21.55			
1.4	16QAM	6	0	20.48	20.43	20.49			

Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.38	23.36	23.42	24.5	0	
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.29	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.26	23.29	23.31	24.5	0	
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.24			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	22.5	2	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.25	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.33	23.33	23.43	24.5	0	
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.48			
5	16QAM	1	24	22.27	22.25	22.25	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.42	23.37	23.39	24.5	0	
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.41	23.38	23.39	24.5	0	
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55	23.5	1	
1.4	16QAM	1	3	22.52	22.15	22.56			
1.4	16QAM	1	5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.40	22.44	22.5	2	
1.4	16QAM	3	1	22.55	22.26	22.58			
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	64QAM	1	0	21.43	21.45	21.41	22.5	2	
1.4	64QAM	1	3	21.68	21.69	21.54			
1.4	64QAM	1	5	21.38	21.47	21.52			
1.4	64QAM	3	0	21.47	21.51	21.44	21.5	3	
1.4	64QAM	3	1	21.64	21.58	21.49			
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34	21.5	3	

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.65	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.66	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.82	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.56	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.46	20.44			
10	64QAM	50	0	20.54	20.46	20.46			
Channel				133147	133297	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.36			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				37850	38000	38150								
Frequency (MHz)				2580	2595	2610								
20	QPSK	1	0	23.24	23.35	23.30	24.5	0						
20	QPSK	1	49	23.15	23.22	23.26								
20	QPSK	1	99	23.20	23.34	23.24								
20	QPSK	36	0	22.24	22.30	22.28								
20	QPSK	50	24	22.17	22.19	22.19	23.5	1						
20	QPSK	50	50	22.19	22.25	22.22								
20	QPSK	100	0	22.14	22.27	22.22								
20	16QAM	1	0	22.02	22.09	22.14								
20	16QAM	1	49	22.21	22.25	22.23	23.5	1						
20	16QAM	100	0	22.23	22.37	22.41								
20	16QAM	50	0	21.18	21.18	21.22								
20	16QAM	50	24	21.11	21.21	21.32								
20	16QAM	50	50	21.15	21.24	21.37	22.5	2						
20	16QAM	100	0	21.10	21.18	21.29								
20	64QAM	1	0	20.74	20.84	20.90								
20	64QAM	1	49	20.95	21.05	21.06								
20	64QAM	1	99	21.01	20.99	21.12	22.5	2						
20	64QAM	50	0	20.17	20.26	20.21								
20	64QAM	50	24	20.15	20.22	20.31								
20	64QAM	50	50	20.23	20.26	20.40								
20	64QAM	100	0	20.18	20.21	20.29	21.5	3						
Channel				37875	38000	38175					Time-up limit (dBm) MPR (dB)			
Frequency (MHz)				2577.5	2595	2612.5								
15	QPSK	1	0	23.21	23.31	23.22					24.5	0		
15	QPSK	1	37	23.05	23.10	23.23								
15	QPSK	1	74	23.11	23.27	23.23								
15	QPSK	36	0	22.19	22.15	22.20								
15	QPSK	36	39	22.17	22.18	22.15	23.5	1						
15	QPSK	75	0	22.12	22.21	22.15								
15	16QAM	1	0	21.91	21.97	22.07								
15	16QAM	1	37	22.11	22.21	22.08								
15	16QAM	1	74	22.11	22.36	22.36	23.5	1						
15	16QAM	36	0	21.07	21.07	21.09								
15	16QAM	36	20	21.04	21.13	21.28								
15	16QAM	36	39	21.03	21.17	21.29								
15	16QAM	75	0	21.01	21.16	21.23	22.5	2						
15	64QAM	1	0	20.68	20.72	20.83								
15	64QAM	1	37	20.88	20.93	20.99								
15	64QAM	1	74	20.95	20.93	21.10								
15	64QAM	36	0	20.07	20.16	20.13	22.5	2						
15	64QAM	36	20	20.01	20.15	20.21								
15	64QAM	36	39	20.16	20.12	20.33								
15	64QAM	75	0	20.13	20.18	20.26					Time-up limit (dBm) MPR (dB)			
Channel				37750	38000	38250								
Frequency (MHz)				2575	2595	2615								
10	QPSK	1	0	23.17	23.29	23.28	24.5	0						
10	QPSK	1	25	23.08	23.10	23.16								
10	QPSK	1	49	23.07	23.25	23.11								
10	QPSK	25	0	22.09	22.20	22.21								
10	QPSK	25	12	22.14	22.08	22.19	23.5	1						
10	QPSK	25	25	22.11	22.11	22.10								
10	QPSK	50	0	22.01	22.21	22.08								
10	16QAM	1	0	21.89	22.00	22.01								
10	16QAM	1	25	22.09	22.10	22.18	23.5	1						
10	16QAM	1	49	22.16	22.26	22.28								
10	16QAM	25	0	21.07	21.16	21.08								
10	16QAM	25	12	21.06	21.20	21.31								
10	16QAM	25	25	21.02	21.23	21.34	22.5	2						
10	16QAM	50	0	21.03	21.03	21.18								
10	64QAM	1	0	20.67	20.71	20.82								
10	64QAM	1	25	20.81	20.92	20.99								
10	64QAM	1	49	21.00	20.91	21.02	21.5	3						
10	64QAM	25	0	20.10	20.14	20.19								
10	64QAM	25	12	20.02	20.12	20.25								
10	64QAM	25	25	20.16	20.20	20.36								
10	64QAM	50	0	20.07	20.10	20.27	Time-up limit (dBm) MPR (dB)							
Channel				37775	38000	38225								
Frequency (MHz)				2572.5	2595	2617.5								
5	QPSK	1	0	23.09	23.24	23.24	24.5	0						
5	QPSK	1	12	23.06	23.14	23.17								
5	QPSK	1	24	23.12	23.24	23.16								
5	QPSK	12	0	22.10	22.22	22.13								
5	QPSK	12	7	22.15	22.11	22.14	23.5	1						
5	QPSK	12	13	22.09	22.11	22.20								
5	QPSK	25	0	22.03	22.23	22.07								
5	16QAM	1	0	21.99	21.95	22.06								
5	16QAM	1	12	22.12	22.22	22.20	23.5	1						
5	16QAM	1	24	22.09	22.27	22.40								
5	16QAM	12	0	21.03	21.06	21.16								
5	16QAM	12	7	21.03	21.10	21.22								
5	16QAM	12	13	21.08	21.13	21.22	22.5	2						
5	16QAM	25	0	21.00	21.04	21.23								
5	64QAM	1	0	20.72	20.81	20.84								
5	64QAM	1	12	20.91	20.96	21.03								
5	64QAM	1	24	20.96	20.87	20.98	21.5	3						
5	64QAM	12	0	20.12	20.12	20.20								
5	64QAM	12	7	20.07	20.07	20.16								
5	64QAM	12	13	20.12	20.19	20.29								
5	64QAM	25	0	20.04	20.19	20.23	Time-up limit (dBm) MPR (dB)							

Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.09	23.75	23.67	24.5	0		
20	QPSK	1	49	23.52	23.74	23.56				
20	QPSK	1	99	23.58	23.70	23.57				
20	QPSK	36	0	22.44	22.63	22.40				
20	QPSK	50	24	22.51	22.60	22.52	23.5	1		
20	QPSK	50	50	22.50	22.61	22.53				
20	QPSK	100	0	22.53	22.61	22.53				
20	16QAM	1	0	22.58	22.64	22.56	23.5	1		
20	16QAM	1	49	22.87	22.70	22.64				
20	16QAM	1	99	22.80	22.84	22.53				
20	16QAM	50	0	21.57	21.58	21.57				
20	16QAM	50	24	21.57	21.62	21.57	22.5	2		
20	16QAM	50	50	21.60	21.61	21.51				
20	16QAM	100	0	21.56	21.59	21.55				
20	64QAM	1	0	21.35	21.32	21.30				
20	64QAM	1	49	21.30	21.42	21.41	22.5	2		
20	64QAM	1	99	21.43	21.38	21.17				
20	64QAM	50	0	20.56	20.61	20.60				
20	64QAM	50	24	20.59	20.61	20.57				
20	64QAM	50	50	20.63	20.65	20.55	21.5	3		
20	64QAM	100	0	20.60	20.61	20.57				
20	64QAM	100	0	20.60	20.61	20.57				
Channel				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.02	23.63	23.62	24.5	0		
15	QPSK	1	37	23.47	23.62	23.55				
15	QPSK	1	74	23.46	23.55	23.54				
15	QPSK	36	0	22.42	22.50	22.52				
15	QPSK	36	0	22.44	22.54	22.55	23.5	1		
15	QPSK	36	36	22.46	22.52	22.50				
15	QPSK	75	0	22.42	22.56	22.43				
15	16QAM	1	0	22.53	22.59	22.42	23.5	1		
15	16QAM	1	37	22.53	22.59	22.42				
15	16QAM	1	74	22.65	22.60	22.38				
15	16QAM	36	0	21.54	21.51	21.56				
15	16QAM	36	20	21.54	21.54	21.52	22.5	2		
15	16QAM	36	36	21.46	21.56	21.44				
15	16QAM	75	0	21.51	21.50	21.47				
15	64QAM	1	0	21.33	21.22	21.27				
15	64QAM	1	37	21.17	21.29	21.27	22.5	2		
15	64QAM	1	74	21.34	21.21	21.22				
15	64QAM	36	0	20.45	20.51	20.56				
15	64QAM	36	20	20.57	20.60	20.44				
15	64QAM	36	39	20.58	20.64	20.41	21.5	3		
15	64QAM	75	0	20.55	20.56	20.56				
15	64QAM	75	0	20.55	20.56	20.56				
Channel				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
10	QPSK	1	0	23.45	23.70	23.65	24.5	0		
10	QPSK	1	25	23.45	23.63	23.47				
10	QPSK	1	49	23.46	23.65	23.49				
10	QPSK	12	0	22.41	22.54	22.53				
10	QPSK	25	12	22.39	22.48	22.45	23.5	1		
10	QPSK	25	25	22.45	22.47	22.49				
10	QPSK	50	0	22.45	22.49	22.44				
10	16QAM	1	0	22.46	22.57	22.41	23.5	1		
10	16QAM	1	25	22.62	22.66	22.52				
10	16QAM	1	49	22.65	22.52	22.46				
10	16QAM	25	0	21.50	21.49	21.56				
10	16QAM	25	12	21.48	21.50	21.55	22.5	2		
10	16QAM	25	25	21.48	21.56	21.49				
10	16QAM	50	0	21.42	21.56	21.40				
10	64QAM	1	0	21.27	21.26	21.28				
10	64QAM	1	25	21.17	21.39	21.32	22.5	2		
10	64QAM	1	49	21.42	21.34	21.02				
10	64QAM	25	0	20.44	20.56	20.47				
10	64QAM	25	12	20.57	20.54	20.48				
10	64QAM	25	25	20.54	20.58	20.42	21.5	3		
10	64QAM	50	0	20.54	20.58	20.44				
10	64QAM	50	0	20.54	20.58	20.44				
Channel				3777.5	3800.0	3822.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.52	23.68	23.59	24.5	0		
5	QPSK	1	12	23.51	23.63	23.46				
5	QPSK	1	24	23.43	23.67	23.45				
5	QPSK	12	0	22.51	22.57	22.46				
5	QPSK	12	7	22.47	22.57	22.49	23.5	1		
5	QPSK	12	13	22.43	22.53	22.41				
5	QPSK	25	0	22.39	22.47	22.48				
5	16QAM	1	0	22.46	22.57	22.51	23.5	1		
5	16QAM	1	12	22.64	22.58	22.53				
5	16QAM	1	24	22.65	22.53	22.43				
5	16QAM	12	0	21.52	21.50	21.50				
5	16QAM	12	13	21.52	21.56	21.55	22.5	2		
5	16QAM	12	25	21.56	21.58	21.38				
5	16QAM	25	0	21.44	21.48	21.49				
5	64QAM	1	0	21.20	21.31	21.27				
5	64QAM	1	12	21.19	21.34	21.38	22.5	2		
5	64QAM	1	24	21.37	21.35	21.08				
5	64QAM	12	0	20.50	20.58	20.50				
5	64QAM	12	7	20.61	20.55	20.42				
5	64QAM	12	13	20.51	20.56	20.47	21.5	3		
5	64QAM	12	25	20.45	20.45	20.41				
5	64QAM	25	0	20.45	20.45	20.41				

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2638.5	2680			
20	QPSK	1	0	23.18	22.93	23.55	23.26	23.48	24.5	0	
20	QPSK	1	49	23.04	22.96	23.53	23.20	23.43			
20	QPSK	1	99	22.93	22.92	23.51	23.06	23.47	23.5	1	
20	QPSK	50	0	22.12	22.10	22.48	22.22	22.43			
20	QPSK	50	24	21.97	21.88	22.42	22.13	22.35	23.5	1	
20	QPSK	50	50	21.94	21.87	22.45	22.15	22.41			
20	QPSK	100	0	22.08	22.00	22.41	22.12	22.30	23.5	1	
20	16QAM	1	0	22.11	22.00	22.43	22.09	22.28			
20	16QAM	1	49	22.08	22.05	22.38	22.16	22.32	22.5	2	
20	16QAM	1	99	21.91	21.88	22.38	22.21	22.35			
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35	22.5	2	
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.38			
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	21.5	3	
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26			
20	64QAM	1	0	20.82	20.58	21.10	20.78	21.01	22.5	2	
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12			
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19	21.5	3	
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32			
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32	21.5	3	
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35			
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35			
Channel				39725	40173	40620	41055	41490	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.5	2641.3	2693	2737.8	2882.5			
15	QPSK	1	0	23.12	22.87	23.11	23.40	23.53	24.5	0	
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.50			
15	QPSK	1	74	22.86	22.86	23.01	23.45	23.38	23.5	1	
15	QPSK	36	0	22.06	21.97	22.11	22.28	22.40			
15	QPSK	36	20	21.90	21.85	22.06	22.30	22.40	22.5	2	
15	QPSK	36	39	21.90	21.80	22.11	22.31	22.31			
15	QPSK	75	0	21.99	21.95	22.05	22.21	22.38	23.5	1	
15	16QAM	1	0	22.01	21.97	22.06	22.16	22.38			
15	16QAM	1	37	22.00	22.04	22.09	22.26	22.35	22.5	2	
15	16QAM	1	74	21.96	21.96	22.14	22.30	22.28			
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26	21.5	3	
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.31			
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	21.5	3	
15	16QAM	75	0	20.93	20.93	21.09	21.22	21.38			
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06	22.5	2	
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08			
15	64QAM	1	74	20.55	20.68	20.88	21.05	20.94	21.5	3	
15	64QAM	36	0	19.83	19.79	20.06	20.26	20.42			
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41	21.5	3	
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31			
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41			
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.07	22.90	23.22	23.38	23.42	24.5	0	
10	QPSK	1	25	22.97	22.82	23.16	23.38	23.41			
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.43	23.5	1	
10	QPSK	25	0	22.10	22.01	22.17	22.41	22.42			
10	QPSK	25	12	21.94	21.87	22.01	22.29	22.39	23.5	1	
10	QPSK	25	25	21.84	21.81	22.10	22.32	22.31			
10	QPSK	50	0	22.05	21.93	22.11	22.15	22.39	23.5	1	
10	16QAM	1	0	22.06	21.89	22.08	22.13	22.32			
10	16QAM	1	25	21.91	21.94	22.11	22.23	22.39	23.5	1	
10	16QAM	1	49	21.89	21.94	22.09	22.24	22.34			
10	16QAM	25	0	20.98	20.89	20.96	21.30	21.39	22.5	2	
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28			
10	16QAM	25	25	20.86	20.91	21.17	21.33	21.34	22.5	2	
10	16QAM	50	0	20.88	20.86	20.98	21.18	21.39			
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02	22.5	2	
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03			
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20	21.5	3	
10	64QAM	25	0	19.92	19.86	20.08	20.29	20.32			
10	64QAM	25	12	19.93	19.93	20.07	20.21	20.36	21.5	3	
10	64QAM	25	25	19.98	19.93	20.12	20.26	20.40			
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38			
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5			
5	QPSK	1	0	23.11	22.85	23.11	23.47	23.43	24.5	0	
5	QPSK	1	12	23.03	22.94	23.10	23.26	23.43			
5	QPSK	1	24	22.93	22.77	23.03	23.43	23.42	23.5	1	
5	QPSK	12	0	22.01	21.86	22.21	22.35	22.38			
5	QPSK	12	7	21.86	21.86	22.12	22.28	22.30	23.5	1	
5	QPSK	12	13	21.89	21.86	22.13	22.31	22.39			
5	QPSK	25	0	22.01	21.89	21.97	22.23	22.30	23.5	1	
5	16QAM	1	0	21.99	21.92	21.98	22.27	22.42			
5	16QAM	1	12	21.91	21.90	22.09	22.25	22.35	23.5	1	
5	16QAM	1	24	21.90	21.97	22.12	22.27	22.28			
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.39	22.5	2	
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29			
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	21.5	3	
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47			
5	64QAM	1	0	20.70	20.60	20.76	20.90	20.97	22.5	2	
5	64QAM	1	12	20.62	20.55	20.71	21.11	21.11			
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98	21.5	3	
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29			
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34	21.5	3	
5	64QAM	12	13	19.92	19.92	20.06	20.22	20.30			
5	64QAM	25	0	19.83	19.86	20.10	20.22	20.38			

Part 96_Band 48_Ant 1										
BW [MHz]	Modulation	RB Size	RF Offset	Power Low Ch. Freq	Power Low Middle Ch. Freq	Power High Middle Ch. Freq	Power High Ch. Freq	Turn-up limit (dB)	MPR (dB)	
Channel										
Frequency (MHz)				55340	55830	56150	56640			
20	QPSK	1	0	22.51	22.41	22.43	22.10			
20	QPSK	1	49	22.49	22.37	22.41	22.41	23	0	
20	QPSK	1	99	22.41	22.41	22.37	22.46			
20	QPSK	50	0	21.56	21.55	21.52	21.49			
20	QPSK	50	24	21.46	21.51	21.50	21.35	22	1	
20	QPSK	50	50	21.43	21.51	21.44	21.46			
20	QPSK	100	0	21.56	21.42	21.50	21.46			
20	16QAM	1	0	21.49	21.58	21.57	21.57			
20	16QAM	1	49	21.49	21.49	21.49	21.48	22	1	
20	16QAM	1	99	21.49	21.48	21.51	21.57			
20	16QAM	50	0	20.47	20.56	20.59	20.50			
20	16QAM	50	24	20.37	20.51	20.57	20.40	21	2	
20	16QAM	50	50	20.35	20.55	20.46	20.35			
20	16QAM	100	0	20.37	20.50	20.56	20.38			
20	64QAM	1	0	20.11	20.10	20.22	20.09			
20	64QAM	1	49	20.38	20.51	20.52	20.39	21	2	
20	64QAM	1	99	20.34	20.54	20.47	20.40			
20	64QAM	50	0	19.42	19.52	19.56	19.48			
20	64QAM	50	24	19.37	19.51	19.42	19.33	20	3	
20	64QAM	50	50	19.35	19.41	19.51	19.40			
20	64QAM	100	0	19.34	19.50	19.42	19.39			
Channel										
Frequency (MHz)				56005	56055	56105	56155	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.46	22.35	22.35	22.28			
15	QPSK	1	37	22.48	22.18	22.26	22.27	23	0	
15	QPSK	1	74	22.32	22.28	22.23	22.13			
15	QPSK	36	0	21.37	21.37	21.47	21.39	22	1	
15	QPSK	36	20	21.34	21.34	21.41	21.31			
15	QPSK	36	39	21.33	21.31	21.27	21.37			
15	QPSK	75	0	21.38	21.35	21.41	21.41			
15	16QAM	1	0	21.43	21.39	21.38	21.44			
15	16QAM	1	37	21.34	21.38	21.38	21.33	22	1	
15	16QAM	1	74	21.34	21.31	21.41	21.31			
15	16QAM	36	0	20.42	20.43	20.42	20.45			
15	16QAM	36	20	20.48	20.44	20.48	20.32	21	2	
15	16QAM	36	39	20.35	20.41	20.42	20.17			
15	16QAM	75	0	20.20	20.38	20.47	20.29			
15	64QAM	1	0	19.93	19.97	20.02	19.98			
15	64QAM	1	37	20.20	20.33	20.38	20.29			
15	64QAM	1	74	20.16	20.34	20.34	20.12	21	2	
15	64QAM	36	0	19.27	19.47	19.46	19.42			
15	64QAM	36	20	19.26	19.41	19.34	19.23	20	3	
15	64QAM	36	39	19.15	19.36	19.33	19.32			
15	64QAM	75	0	19.14	19.30	19.30	19.32			
Channel										
Frequency (MHz)				56250	56305	56360	56415	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.31	22.23	22.27	22.26			
10	QPSK	1	25	22.34	22.21	22.36	22.37	23	0	
10	QPSK	1	49	22.27	22.36	22.19	22.13			
10	QPSK	15	0	21.50	21.50	21.50	21.47	22	1	
10	QPSK	25	12	21.32	21.35	21.35	21.35			
10	QPSK	25	25	21.38	21.31	21.36	21.39			
10	QPSK	50	0	21.45	21.36	21.41	21.28			
10	16QAM	1	0	21.44	21.41	21.42	21.48			
10	16QAM	1	25	21.24	21.49	21.32	21.33	22	1	
10	16QAM	1	49	21.40	21.37	21.46	21.36			
10	16QAM	25	0	20.33	20.50	20.44	20.39			
10	16QAM	25	12	20.17	20.45	20.50	20.12	21	2	
10	16QAM	25	25	20.16	20.40	20.40	20.18			
10	16QAM	50	0	20.21	20.35	20.40	20.31			
10	64QAM	1	0	20.02	20.01	20.03	20.23			
10	64QAM	1	25	20.17	20.27	20.44	20.23	21	2	
10	64QAM	1	49	20.39	20.49	20.33	20.20			
10	64QAM	25	0	19.24	19.39	19.38	19.38			
10	64QAM	25	12	19.25	19.38	19.36	19.14	20	3	
10	64QAM	25	25	19.18	19.21	19.40	19.23			
10	64QAM	50	0	19.29	19.42	19.28	19.25			
Channel										
Frequency (MHz)				56265	56310	56365	56420	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.36	22.29	22.24	22.28			
5	QPSK	1	12	22.39	22.20	22.22	22.23	23	0	
5	QPSK	1	25	22.32	22.29	22.22	22.19			
5	QPSK	12	0	21.49	21.47	21.42	21.43			
5	QPSK	12	7	21.28	21.41	21.33	21.22	22	1	
5	QPSK	12	13	21.37	21.39	21.43	21.26			
5	16QAM	1	0	21.36	21.24	21.30	21.25			
5	16QAM	1	1	21.40	21.47	21.45	21.40			
5	16QAM	1	12	21.34	21.48	21.40	21.31	22	1	
5	16QAM	1	24	21.35	21.30	21.35	21.29			
5	16QAM	12	0	20.42	20.40	20.46	20.46			
5	16QAM	12	12	20.34	20.37	20.43	20.29	21	2	
5	16QAM	12	13	20.20	20.42	20.35	20.15			
5	16QAM	25	0	20.28	20.38	20.50	20.25			
5	64QAM	1	0	20.05	20.02	20.04	20.05			
5	64QAM	1	1	20.24	20.40	20.34	20.25	21	2	
5	64QAM	1	24	20.21	20.39	20.39	20.23			
5	64QAM	12	0	19.35	19.41	19.41	19.34			
5	64QAM	12	7	19.18	19.43	19.28	19.17	20	3	
5	64QAM	12	13	19.30	19.37	19.37	19.26			
5	64QAM	25	0	19.18	19.39	19.32	19.23			

Part 96_Band 48_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				55340	55380	55150	56040			
20	QPSK	1	0	22.55	22.45	22.52	22.42	23	0	
20	QPSK	1	49	22.49	22.39	22.50	22.32	23	0	
20	QPSK	1	99	22.51	22.38	22.50	22.30	23	0	
20	QPSK	50	0	21.57	21.42	21.55	21.40	21	1	
20	QPSK	50	24	21.43	21.27	21.41	21.37	21	1	
20	QPSK	50	50	21.46	21.37	21.42	21.27	21	1	
20	QPSK	100	0	21.55	21.31	21.44	21.38	21	1	
20	16QAM	1	0	21.53	21.32	21.47	21.29	21	1	
20	16QAM	1	49	21.48	21.33	21.44	21.31	21	1	
20	16QAM	1	99	21.50	21.28	21.44	21.36	21	1	
20	16QAM	50	0	20.55	20.38	20.53	20.43	20	3	
20	16QAM	50	24	20.44	20.33	20.44	20.34	20	3	
20	16QAM	50	50	20.44	20.26	20.55	20.30	20	3	
20	16QAM	100	0	20.50	20.27	20.42	20.41	20	3	
20	64QAM	1	0	20.54	20.27	20.45	20.39	20	3	
20	64QAM	1	49	20.46	20.29	20.50	20.31	20	3	
20	64QAM	1	99	20.48	20.35	20.52	20.42	20	3	
20	64QAM	50	0	19.60	19.44	19.58	19.45	19	3	
20	64QAM	50	24	19.59	19.41	19.49	19.30	19	3	
20	64QAM	50	50	19.53	19.32	19.51	19.38	19	3	
20	64QAM	100	0	19.54	19.40	19.45	19.31	19	3	
Channel										
Frequency (MHz)				55505	55515	55605	56055	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.46	22.19	22.45	22.43	23	0	
15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	
15	QPSK	1	74	22.45	22.08	22.47	22.19	23	0	
15	QPSK	36	0	21.72	21.40	21.50	21.40	22	1	
15	QPSK	36	20	21.35	20.99	21.39	21.28	22	1	
15	QPSK	36	39	21.45	21.13	21.27	21.24	22	1	
15	QPSK	75	0	21.47	21.05	21.36	21.31	21	1	
15	16QAM	1	0	21.50	21.11	21.38	21.14	21	1	
15	16QAM	1	37	21.42	21.10	21.39	21.16	21	1	
15	16QAM	1	74	21.43	21.10	21.29	21.29	21	1	
15	16QAM	36	0	20.54	20.17	20.50	20.42	20	3	
15	16QAM	36	20	20.30	20.10	20.37	20.36	20	3	
15	16QAM	36	39	20.39	20.04	20.50	20.27	20	3	
15	16QAM	75	0	20.32	20.14	20.39	20.37	20	3	
15	64QAM	1	0	20.50	20.01	20.35	20.26	20	3	
15	64QAM	1	37	20.35	20.07	20.44	20.30	20	3	
15	64QAM	1	74	20.45	20.05	20.44	20.36	20	3	
15	64QAM	36	0	19.55	19.19	19.48	19.31	19	3	
15	64QAM	36	20	19.45	19.17	19.45	19.20	19	3	
15	64QAM	36	39	19.48	19.05	19.36	19.28	19	3	
15	64QAM	75	0	19.42	19.02	19.30	19.13	19	3	
Frequency (MHz)				55505	55515	55165	56075	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.47	22.20	22.49	22.37	23	0	
10	QPSK	1	25	22.45	22.22	22.44	22.24	23	0	
10	QPSK	1	49	22.43	22.18	22.39	22.15	23	0	
10	QPSK	1	74	21.42	21.21	21.31	21.36	22	1	
10	QPSK	25	12	21.39	21.03	21.29	21.31	21	1	
10	QPSK	25	25	21.43	21.12	21.27	21.24	21	1	
10	QPSK	50	0	21.45	21.03	21.43	21.29	21	1	
10	QPSK	50	25	21.45	21.11	21.40	21.24	21	1	
10	16QAM	1	25	21.39	21.11	21.33	21.18	21	1	
10	16QAM	1	49	21.47	21.07	21.39	21.24	21	1	
10	16QAM	25	0	20.45	20.17	20.47	20.29	20	3	
10	16QAM	25	25	20.45	20.08	20.47	20.29	20	3	
10	16QAM	50	0	20.46	20.18	20.47	20.29	20	3	
10	64QAM	1	0	20.45	20.07	20.38	20.34	20	3	
10	64QAM	1	25	20.34	20.07	20.43	20.30	20	3	
10	64QAM	25	49	20.41	20.10	20.43	20.31	20	3	
10	64QAM	25	0	19.56	19.23	19.53	19.35	19	3	
10	64QAM	25	12	19.56	19.19	19.48	19.19	19	3	
10	64QAM	25	25	19.44	19.12	19.40	19.30	19	3	
10	64QAM	50	0	19.52	19.11	19.52	19.23	19	3	
Channel										
Frequency (MHz)				55525	55510	55160	56075	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.46	22.18	22.50	22.24	23	0	
5	QPSK	1	12	22.41	22.22	22.51	22.21	23	0	
5	QPSK	1	25	22.51	22.18	22.48	22.17	23	0	
5	QPSK	12	0	21.47	21.18	21.41	21.37	21	1	
5	QPSK	12	7	21.33	21.04	21.31	21.28	21	1	
5	QPSK	12	13	21.36	21.14	21.28	21.13	21	1	
5	QPSK	25	0	21.49	21.08	21.39	21.28	21	1	
5	16QAM	1	0	21.43	21.15	21.36	21.28	21	1	
5	16QAM	1	12	21.47	21.18	21.36	21.21	22	1	
5	16QAM	1	24	21.44	21.01	21.32	21.31	21	1	
5	16QAM	12	0	20.51	20.20	20.50	20.32	20	3	
5	16QAM	12	3	20.53	20.05	20.39	20.28	20	3	
5	16QAM	12	13	20.30	20.05	20.48	20.24	20	3	
5	16QAM	25	0	20.27	20.02	20.28	20.30	20	3	
5	64QAM	1	0	20.41	20.05	20.37	20.31	20	3	
5	64QAM	1	12	20.33	20.03	20.38	20.16	20	3	
5	64QAM	1	24	20.37	20.19	20.45	20.38	20	3	
5	64QAM	12	0	19.51	19.21	19.46	19.30	19	3	
5	64QAM	12	7	19.49	19.20	19.45	19.22	19	3	
5	64QAM	12	13	19.43	19.03	19.46	19.35	19	3	
5	64QAM	25	0	19.41	19.17	19.30	19.19	19	3	

Part 96 - Band 48_Ant 5										
BW (MHz)	Modulation	RB Size	RF Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPEr (dB)	
Channel										
				55340	55630	56150	56640			
Frequency (MHz)										
20	QPSK	1	0	22.40	22.44	22.37	22.41			
20	QPSK	1	49	22.21	22.43	22.29	22.33	23	0	
20	QPSK	1	99	22.21	22.38	22.32	22.37			
20	QPSK	50	0	21.47	21.43	21.36	21.45			
20	QPSK	50	24	21.34	21.38	21.31	21.39	22	1	
20	QPSK	50	50	21.31	21.32	21.32	21.33			
20	QPSK	100	0	21.46	21.44	21.31	21.41			
20	16QAM	1	0	21.43	21.48	21.44	21.47			
20	16QAM	1	49	21.47	21.44	21.36	21.42	22	1	
20	16QAM	1	99	22.27	21.52	21.48	21.49			
20	16QAM	50	0	20.29	20.37	20.33	20.48			
20	16QAM	50	24	20.29	20.44	20.35	20.46	21	2	
20	16QAM	50	50	20.23	20.42	20.31	20.51			
20	16QAM	100	0	20.35	20.38	20.31	20.48			
20	64QAM	1	0	19.92	19.96	19.95	20.07			
20	64QAM	1	49	19.88	20.06	19.97	20.11	21	2	
20	64QAM	1	99	19.66	20.02	19.89	20.05			
20	64QAM	50	0	19.32	19.38	19.35	19.46			
20	64QAM	50	24	19.28	19.44	19.35	19.51	20	3	
20	64QAM	50	50	19.17	19.43	19.31	19.53			
20	64QAM	100	0	19.22	19.39	19.37	19.49			
Channel										
				5557.5	5565.5	5570.5	5575.5			
Frequency (MHz)										
15	QPSK	1	0	22.38	22.21	22.21	22.28			
15	QPSK	1	37	22.17	22.24	22.11	22.16	23	0	
15	QPSK	1	74	22.03	22.31	22.17	22.29			
15	QPSK	36	0	21.28	21.27	21.26	21.26	22	1	
15	QPSK	36	20	21.22	21.20	21.09	21.24			
15	QPSK	36	39	21.12	21.20	21.18	21.19	22	1	
15	QPSK	75	0	21.32	21.39	21.17	21.31			
15	16QAM	1	0	21.50	21.45	21.23	21.28	22	1	
15	16QAM	1	37	21.37	21.41	21.40	21.38			
15	16QAM	1	74	21.08	21.48	21.41	21.29			
15	16QAM	36	0	20.14	20.20	20.21	20.32			
15	16QAM	36	20	20.06	20.24	20.16	20.40			
15	16QAM	36	39	20.15	20.25	20.22	20.45			
15	16QAM	75	0	20.09	20.16	20.22	20.32			
15	64QAM	1	0	19.79	19.74	19.81	20.00			
15	64QAM	1	37	19.74	19.83	19.82	19.85	21	2	
15	64QAM	1	74	19.50	19.74	19.74	19.74			
15	64QAM	36	0	19.11	19.19	19.30	19.41			
15	64QAM	36	20	19.17	19.33	19.15	19.34			
15	64QAM	36	39	18.92	19.18	19.07	19.35			
15	64QAM	75	0	19.15	19.27	19.15	19.30			
Channel										
				5520.5	5561.5	5617.0	5671.5			
Frequency (MHz)										
10	QPSK	1	0	22.21	22.21	22.17	22.22			
10	QPSK	1	25	22.33	22.19	22.20	22.29	23	0	
10	QPSK	1	49	21.99	22.17	22.23	22.17			
10	QPSK	25	0	21.35	21.38	21.38	21.27	22	1	
10	QPSK	25	12	21.17	21.17	21.24	21.20			
10	QPSK	25	25	21.21	21.15	21.19	21.28			
10	QPSK	50	0	21.32	21.24	21.11	21.32	22	1	
10	16QAM	1	0	21.24	21.36	21.29	21.29			
10	16QAM	1	25	21.28	21.47	21.41	21.33	22	1	
10	16QAM	1	49	21.17	21.32	21.23	21.34			
10	16QAM	25	0	20.16	20.22	20.27	20.41			
10	16QAM	25	12	20.16	20.22	20.24	20.43	21	2	
10	16QAM	25	25	20.05	20.26	20.18	20.41			
10	16QAM	50	0	20.17	20.24	20.16	20.33			
10	64QAM	1	0	19.81	19.72	19.70	19.86			
10	64QAM	1	25	19.65	19.85	19.76	19.90	21	2	
10	64QAM	1	49	19.59	19.84	19.83	19.97			
10	64QAM	25	0	19.24	19.30	19.14	19.38			
10	64QAM	25	12	19.04	19.38	19.22	19.46	20	3	
10	64QAM	25	25	18.88	19.26	19.15	19.44			
10	64QAM	50	0	18.97	19.30	19.25	19.40			
Channel										
				5520.5	5561.0	5617.0	5671.5			
Frequency (MHz)										
5	QPSK	1	0	22.21	22.37	22.25	22.29			
5	QPSK	1	12	22.22	21.98	22.23	22.15	23	0	
5	QPSK	1	25	22.02	22.25	22.25	22.25			
5	QPSK	12	0	21.39	21.23	21.29	21.31			
5	QPSK	12	7	21.23	21.15	21.27	21.26	22	1	
5	QPSK	12	13	21.14	21.10	21.18	21.22			
5	QPSK	25	0	21.32	21.37	21.29	21.27	22	1	
5	QPSK	25	7	21.29	21.35	21.22	21.34			
5	16QAM	1	12	21.38	21.60	21.34	21.46	22	1	
5	16QAM	1	24	21.14	21.27	21.23	21.36			
5	16QAM	12	0	20.21	20.30	20.28	20.27			
5	16QAM	12	7	20.19	20.32	20.29	20.27	21	2	
5	16QAM	12	13	20.03	20.34	20.18	20.40			
5	16QAM	25	0	20.00	20.25	20.09	20.28			
5	64QAM	1	0	19.81	19.88	19.71	19.82			
5	64QAM	1	12	19.75	19.81	19.75	19.78	21	2	
5	64QAM	1	24	19.56	19.78	19.71	19.91			
5	64QAM	12	0	19.13	19.29	19.18	19.33			
5	64QAM	12	7	19.04	19.22	19.15	19.29	20	3	
5	64QAM	12	13	19.00	19.21	19.31	19.31			
5	64QAM	25	0	19.05	19.17	19.14	19.25			

Part 96_Band 48_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	55640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
0.50	20	QPSK	1	0	23.36	23.07	23.26	23.18	24.5	0	
	20	QPSK	1	49	23.25	22.97	23.23	23.10			
	20	QPSK	1	99	23.22	22.97	23.24	23.07			
	20	QPSK	50	0	22.35	22.14	22.22	22.22			
	20	QPSK	50	24	22.27	22.11	22.22	22.16	23.5	1	
	20	QPSK	50	50	22.29	22.10	22.17	22.10			
	20	QPSK	100	0	22.33	22.09	22.09	22.17			
	20	16QAM	1	49	22.24	22.07	22.08	22.12			
	20	16QAM	1	99	22.21	22.01	22.21	22.08	23.5	1	
	20	16QAM	1	99	22.22	22.06	22.14	22.14			
	20	16QAM	50	0	21.28	21.03	21.17	21.15			
	20	16QAM	50	24	21.17	20.91	21.06	21.11			
20	16QAM	50	50	21.23	21.00	21.07	21.03	22.5	2		
20	16QAM	100	0	21.26	20.91	21.05	21.13				
20	64QAM	1	0	21.25	20.91	21.07	21.02				
20	64QAM	1	49	21.14	20.97	21.02	21.14				
20	64QAM	1	99	21.22	20.95	21.02	21.10	22.5	2		
20	64QAM	50	0	20.33	20.09	20.20	20.19				
20	64QAM	50	24	20.31	19.96	20.13	20.13				
20	64QAM	50	50	20.21	19.97	20.07	20.07				
20	64QAM	100	0	20.26	19.98	20.07	20.15	21.5	3		
Channel				55315	55830	56150	55650				
Frequency (MHz)				3567.5	3609	3642	3692.5				
15	QPSK	1	0	23.27	22.94	23.13	23.04	24.5	0		
15	QPSK	1	37	23.16	22.89	23.15	22.96				
15	QPSK	1	74	23.07	22.89	23.11	22.92				
15	QPSK	36	0	22.28	22.13	22.20	22.20				
15	QPSK	36	20	22.14	21.90	22.07	22.02	23.5	1		
15	QPSK	36	39	22.21	22.00	22.06	22.00				
15	QPSK	75	0	22.30	22.04	22.00	22.07				
15	16QAM	1	0	22.17	22.03	21.95	22.08				
15	16QAM	1	37	22.26	21.96	22.19	22.04	23.5	1		
15	16QAM	1	74	22.19	21.94	22.02	22.07				
15	16QAM	36	0	21.18	20.91	21.16	21.14				
15	16QAM	36	20	21.05	20.79	21.05	21.09				
15	16QAM	36	39	21.15	20.96	20.97	20.96	22.5	2		
15	16QAM	75	0	21.21	20.97	20.94	20.90				
15	64QAM	1	0	21.14	20.77	20.94	20.93				
15	64QAM	1	37	21.01	20.83	21.00	21.13				
15	64QAM	1	74	21.15	20.91	20.92	21.08	22.5	2		
15	64QAM	36	0	20.26	19.97	20.06	20.16				
15	64QAM	36	20	20.26	19.81	20.11	20.00				
15	64QAM	36	39	20.15	19.91	19.94	20.06				
15	64QAM	75	0	20.18	19.95	19.97	20.08	21.5	3		
Channel				55315	55830	56150	55650				
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	23.28	22.98	23.20	23.12	24.5	0		
10	QPSK	1	25	23.19	22.83	23.11	23.05				
10	QPSK	1	49	23.07	22.83	23.23	22.97				
10	QPSK	25	0	22.24	22.11	22.08	22.12				
10	QPSK	25	12	22.15	21.93	22.04	22.02	23.5	1		
10	QPSK	25	25	22.23	22.04	22.13	21.96				
10	QPSK	50	0	22.30	21.98	21.97	22.10				
10	16QAM	1	0	22.16	21.92	22.06	22.01				
10	16QAM	1	25	22.15	21.97	22.07	22.04	23.5	1		
10	16QAM	1	49	22.10	22.05	22.07	22.11				
10	16QAM	25	0	21.24	20.92	21.07	21.00				
10	16QAM	25	12	21.07	20.77	20.96	21.05				
10	16QAM	25	25	21.14	20.91	21.02	20.95	22.5	2		
10	16QAM	50	0	21.22	20.81	20.99	21.03				
10	64QAM	1	0	21.17	20.81	20.97	20.90				
10	64QAM	1	25	20.99	20.90	20.89	21.13				
10	64QAM	1	49	21.19	20.88	20.97	21.09	22.5	2		
10	64QAM	25	0	20.30	19.94	20.06	20.07				
10	64QAM	25	12	20.22	19.92	20.01	19.98				
10	64QAM	25	25	20.12	19.92	19.96	19.92				
10	64QAM	50	0	20.18	19.84	19.97	20.02	21.5	3		
Channel				55265	55310	56170	55715				
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	23.33	22.99	23.22	23.08	24.5	0		
5	QPSK	1	12	23.13	22.95	23.23	22.99				
5	QPSK	1	24	23.11	22.85	23.20	22.85				
5	QPSK	12	0	22.23	22.09	22.19	22.14				
5	QPSK	12	7	22.15	21.88	22.08	22.14	23.5	1		
5	QPSK	12	13	22.16	22.08	22.02	22.09				
5	QPSK	25	0	22.27	21.97	22.00	22.11				
5	16QAM	1	0	22.15	22.04	21.93	22.10				
5	16QAM	1	12	22.21	21.89	22.12	22.13	23.5	1		
5	16QAM	1	24	22.06	21.92	22.05	22.02				
5	16QAM	12	0	21.19	20.91	21.07	21.13				
5	16QAM	12	7	21.12	20.84	20.93	21.04				
5	16QAM	12	13	21.20	20.98	20.95	20.90	22.5	2		
5	16QAM	25	0	21.19	20.82	21.03	21.08				
5	64QAM	1	0	21.15	20.76	21.02	20.96				
5	64QAM	1	12	21.04	20.92	20.90	21.02				
5	64QAM	1	24	21.13	20.80	20.91	21.01	21.5	3		
5	64QAM	12	0	20.26	20.02	20.12	20.09				
5	64QAM	12	7	20.18	19.87	20.08	20.00				
5	64QAM	12	13	20.09	19.93	20.03	19.93				
5	64QAM	25	0	20.22	19.93	19.96	20.02				

Reduced Power Mode for EC11

GSM850_Ant 0		Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49	24.50
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46	24.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	24.50
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	20.50
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.82	28.78	28.84	29.50	19.82	19.78	19.84	20.50
GPRS 1 Tx slot		26.96	26.92	26.98	27.50	20.92	20.88	20.94	21.50
GPRS 2 Tx slots		25.85	25.81	25.87	26.50	20.96	20.92	20.98	21.50
GPRS 3 Tx slots		25.85	25.81	25.87	26.50	21.59	21.55	21.61	22.50
GPRS 4 Tx slots		24.55	24.51	24.57	25.50	21.55	21.51	21.57	22.50
EDGE 1 Tx slot		24.88	24.84	24.90	25.50	15.88	15.84	15.90	17.00
EDGE 2 Tx slots		23.76	23.72	23.78	25.00	17.76	17.72	17.78	18.25
EDGE 3 Tx slots		21.29	21.25	21.31	22.50	17.03	16.99	17.05	18.25
EDGE 4 Tx slots		19.91	19.87	19.93	21.00	16.91	16.87	16.93	18.25

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		25.00	25.21	25.42	25.50	16.00	16.21	16.42	16.50	
GPRS 1 Tx slot		25.25	25.27	25.29	25.50	16.25	16.27	16.29	16.50	
GPRS 2 Tx slots		23.15	23.17	23.19	23.50	17.15	17.17	17.19	17.50	
GPRS 3 Tx slots		21.73	21.75	21.77	22.50	17.47	17.49	17.51	18.24	
GPRS 4 Tx slots		20.72	20.74	20.76	21.50	17.72	17.74	17.76	18.50	
EDGE 1 Tx slot		21.02	21.04	21.06	22.00	12.02	12.04	12.06	13.00	
EDGE 2 Tx slots		19.53	19.55	19.57	21.00	13.53	13.55	13.57	15.00	
EDGE 3 Tx slots		17.21	17.23	17.25	18.50	12.95	12.97	12.99	14.24	
EDGE 4 Tx slots		16.04	16.06	16.08	17.00	13.04	13.06	13.08	14.00	

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.28	19.54	19.48	20.50	20.28	20.32	20.24	21.50
3GPP Rel 99	RMTC 12.2Kbps	19.30	19.60	19.52	20.50	20.35	20.38	20.33	21.50
3GPP Rel 6	HSDPA Subtest-1	18.77	18.89	18.85	19.50	19.73	19.77	19.79	20.50
3GPP Rel 6	HSDPA Subtest-2	18.75	18.82	18.86	19.50	19.68	19.73	19.78	20.50
3GPP Rel 6	HSDPA Subtest-3	18.31	18.36	18.31	19.00	19.19	19.26	19.37	20.00
3GPP Rel 6	HSDPA Subtest-4	18.26	18.35	18.34	19.00	19.15	19.20	19.27	20.00
3GPP Rel 6	DC-HSDPA Subtest-1	18.61	18.74	18.75	19.50	19.54	19.63	19.66	20.50
3GPP Rel 6	DC-HSDPA Subtest-2	18.59	18.76	18.70	19.50	19.63	19.61	19.58	20.50
3GPP Rel 6	DC-HSDPA Subtest-3	18.12	18.20	18.20	19.00	19.06	19.19	19.19	20.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.08	19.26	19.28	19.00	19.03	19.00	19.15	20.00
3GPP Rel 6	HSUPA Subtest-1	16.81	16.86	16.88	17.50	17.73	17.77	17.76	18.50
3GPP Rel 6	HSUPA Subtest-2	16.82	16.96	16.89	17.50	17.77	17.76	17.76	18.50
3GPP Rel 6	HSUPA Subtest-3	17.84	17.86	17.89	18.50	18.75	18.78	18.79	19.50
3GPP Rel 6	HSUPA Subtest-4	16.34	16.39	16.37	17.50	17.25	17.37	17.29	18.50
3GPP Rel 6	HSUPA Subtest-5	17.80	17.90	17.90	19.50	18.80	18.80	18.80	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.66	16.74	16.71	18.00	17.66	17.81	17.74	19.00

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	15.45	15.52	15.48	16.50	17.84	17.82	17.80	19.00
3GPP Rel 99	RMTC 12.2Kbps	15.50	15.56	15.52	16.50	17.87	17.89	17.85	19.00
3GPP Rel 6	HSDPA Subtest-1	14.77	14.87	14.93	15.50	17.20	17.24	17.27	18.00
3GPP Rel 6	HSDPA Subtest-2	14.79	14.82	14.89	15.50	17.13	17.18	17.19	18.00
3GPP Rel 6	HSDPA Subtest-3	14.26	14.37	14.42	15.00	16.64	16.71	16.78	17.50
3GPP Rel 6	HSDPA Subtest-4	14.32	14.34	14.37	15.00	16.64	16.70	16.73	17.50
3GPP Rel 6	DC-HSDPA Subtest-1	14.68	14.68	14.76	15.50	17.04	17.12	17.18	18.00
3GPP Rel 6	DC-HSDPA Subtest-2	14.67	14.73	14.75	15.50	16.99	16.98	17.11	18.00
3GPP Rel 6	DC-HSDPA Subtest-3	14.18	14.20	14.37	15.00	16.49	16.55	16.57	17.50
3GPP Rel 6	DC-HSDPA Subtest-4	14.22	14.19	14.20	15.00	16.57	16.54	16.65	17.50
3GPP Rel 6	HSUPA Subtest-1	12.80	12.76	12.80	13.50	14.87	15.03	15.09	16.00
3GPP Rel 6	HSUPA Subtest-2	12.82	12.86	12.71	13.50	15.23	15.27	15.36	16.00
3GPP Rel 6	HSUPA Subtest-3	13.79	13.81	13.88	14.50	16.19	16.29	16.24	17.00
3GPP Rel 6	HSUPA Subtest-4	12.30	12.22	12.20	13.50	14.71	14.72	14.70	16.00
3GPP Rel 6	HSUPA Subtest-5	13.80	13.90	13.90	15.50	16.20	16.23	16.20	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.64	12.66	12.71	14.00	15.08	15.24	15.11	16.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tuneup Limit (dbm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		30.62	30.74	30.77	31.50	21.62	21.74	21.77	22.50	
GPRS 1 Tx slot		30.60	30.80	30.78	31.50	21.60	21.80	21.78	22.50	
GPRS 2 Tx slots		28.52	28.73	28.77	29.50	22.52	22.73	22.77	23.50	
GPRS 3 Tx slots		26.28	26.49	26.48	27.50	22.02	22.23	22.22	23.24	
GPRS 4 Tx slots		25.06	25.30	25.27	26.50	22.06	22.30	22.27	23.50	
EDGE 1 Tx slot		25.15	25.06	24.94	26.00	16.15	16.06	15.94	17.00	
EDGE 2 Tx slots		24.04	23.87	23.92	25.00	16.04	15.87	15.92	16.00	
EDGE 3 Tx slots		21.67	21.62	21.61	23.00	17.41	17.36	17.35	18.74	
EDGE 4 Tx slots		20.61	20.48	20.49	22.00	17.61	17.48	17.49	18.00	

GSM1900_Ant 2		Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up
TX Channel		512	661	810	Limit (dbm)	512	661	810	Limit (dbm)
Frequency (MHz)		1850.2	1850	1809.8		1850.2	1850	1809.8	
GSM 1 Tx slot		28.68	28.79	29.74	30.50	20.68	20.79	20.74	21.50
GPRS 1 Tx slot		28.68	28.77	28.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	19.24
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	20.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.98	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMTC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.25	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.74	22.76	22.66	23.50	22.66	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.16	22.00	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	19.95	20.00	19.93	21	0		
20	QPSK	1	49	19.88	19.94	19.84				
20	QPSK	1	99	19.80	19.88	19.88				
20	QPSK	50	0	19.91	19.98	19.90	21	0		
20	QPSK	50	24	19.88	19.96	19.79				
20	QPSK	50	50	19.80	19.80	19.80				
20	QPSK	100	0	19.89	19.90	19.86	21	0		
20	16QAM	1	0	19.81	19.92	19.84				
20	16QAM	1	49	19.94	19.98	19.85				
20	16QAM	1	99	19.87	19.98	19.78	21	0		
20	16QAM	50	0	19.94	19.99	19.92				
20	16QAM	50	24	19.85	19.88	19.83				
20	16QAM	50	50	19.85	19.88	19.89	21	0		
20	16QAM	100	0	19.94	19.86	19.83				
20	64QAM	1	0	19.92	19.97	19.79				
20	64QAM	1	49	19.92	19.85	19.86	21	0		
20	64QAM	1	99	19.90	19.87	19.91				
20	64QAM	50	0	19.94	19.99	19.84				
20	64QAM	50	24	19.90	19.92	19.86	21	0		
20	64QAM	50	50	19.92	19.92	19.85				
20	64QAM	100	0	19.83	19.97	19.81				
Channel				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1890	1902.5				
15	QPSK	1	0	19.86	19.99	19.86	21	0		
15	QPSK	1	37	19.74	19.89	19.74				
15	QPSK	1	74	19.79	19.83	19.84				
15	QPSK	36	0	19.76	19.87	19.83	21	0		
15	QPSK	36	20	19.82	19.93	19.76				
15	QPSK	36	39	19.74	19.81	19.75				
15	QPSK	75	0	19.81	19.82	19.74	21	0		
15	16QAM	1	0	19.67	19.77	19.80				
15	16QAM	1	37	19.60	19.63	19.62				
15	16QAM	1	74	19.77	19.84	19.70	21	0		
15	16QAM	36	0	19.79	19.88	19.86				
15	16QAM	36	20	19.73	19.82	19.78				
15	16QAM	36	39	19.83	19.76	19.85	21	0		
15	16QAM	75	0	19.79	19.83	19.76				
15	64QAM	1	0	19.91	19.91	19.78				
15	64QAM	1	37	19.84	19.72	19.79	21	0		
15	64QAM	1	74	19.89	19.83	19.82				
15	64QAM	36	0	19.86	19.85	19.82				
15	64QAM	36	20	19.82	19.82	19.80	21	0		
15	64QAM	36	39	19.83	19.80	19.84				
15	64QAM	75	0	19.82	19.84	19.77				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	19.89	19.96	19.85	21	0		
10	QPSK	1	25	19.85	19.80	19.70				
10	QPSK	1	49	19.73	19.78	19.80				
10	QPSK	25	0	19.87	19.89	19.78	21	0		
10	QPSK	25	12	19.75	19.87	19.72				
10	QPSK	25	25	19.65	19.85	19.69				
10	QPSK	50	0	19.84	19.80	19.85	21	0		
10	16QAM	1	0	19.80	19.79	19.73				
10	16QAM	1	25	19.85	19.91	19.70				
10	16QAM	1	49	19.79	19.95	19.66	21	0		
10	16QAM	25	0	19.92	19.89	19.81				
10	16QAM	25	12	19.82	19.76	19.72				
10	16QAM	25	25	19.81	19.80	19.83	21	0		
10	16QAM	50	0	19.85	19.77	19.79				
10	64QAM	1	0	19.80	19.84	19.72				
10	64QAM	1	25	19.90	19.71	19.71	21	0		
10	64QAM	1	49	19.84	19.80	19.78				
10	64QAM	25	0	19.91	19.93	19.72				
10	64QAM	25	12	19.78	19.90	19.73	21	0		
10	64QAM	25	25	19.90	19.82	19.70				
10	64QAM	50	0	19.81	19.83	19.68				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1902.5				
5	QPSK	1	0	19.80	19.90	19.84	21	0		
5	QPSK	1	12	19.68	19.92	19.81				
5	QPSK	1	24	19.67	19.77	19.78				
5	QPSK	12	0	19.87	19.90	19.80	21	0		
5	QPSK	12	7	19.75	19.91	19.78				
5	QPSK	12	13	19.74	19.77	19.72				
5	QPSK	25	0	19.85	19.84	19.79	21	0		
5	16QAM	1	0	19.80	19.89	19.80				
5	16QAM	1	12	19.67	19.78	19.78				
5	16QAM	1	24	19.81	19.97	19.78	21	0		
5	16QAM	1	24	19.84	19.93	19.67				
5	16QAM	12	0	19.86	19.97	19.82				
5	16QAM	12	7	19.79	19.79	19.80	21	0		
5	16QAM	12	13	19.75	19.76	19.74				
5	16QAM	25	0	19.87	19.76	19.72				
5	64QAM	1	0	19.87	19.83	19.76	21	0		
5	64QAM	1	12	19.87	19.71	19.81				
5	64QAM	1	24	19.80	19.80	19.76				
5	64QAM	12	0	19.81	19.89	19.74	21	0		
5	64QAM	12	7	19.81	19.83	19.81				
5	64QAM	12	13	19.84	19.82	19.81				
5	64QAM	25	0	19.82	19.82	19.72				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	19.80	19.88	19.88	21	0		
3	QPSK	1	8	19.85	19.90	19.78				
3	QPSK	1	14	19.69	19.76	19.80				
3	QPSK	8	0	19.90	19.85	19.80	21	0		
3	QPSK	8	4	19.74	19.81	19.84				
3	QPSK	8	7	19.65	19.78	19.67				
3	QPSK	15	0	19.87	19.89	19.80	21	0		
3	16QAM	1	0	19.67	19.86	19.82				
3	16QAM	1	8	19.85	19.89	19.72				
3	16QAM	1	14	19.83	19.97	19.71	21	0		
3	16QAM	8	0	19.93	19.86	19.89				
3	16QAM	8	4	19.80	19.74	19.75				
3	16QAM	8	7	19.71	19.77	19.78	21	0		
3	16QAM	15	0	19.88	19.76	19.71				
3	64QAM	1	0	19.86	19.96	19.64				
3	64QAM	1	8	19.83	19.84	19.75	21	0		
3	64QAM	1	14	19.79	19.77	19.87				
3	64QAM	8	0	19.87	19.92	19.76				
3	64QAM	8	4	19.75	19.80	19.83	21	0		
3	64QAM	8	7	19.84	19.90	19.79				
3	64QAM	15	0	19.79	19.88	19.71				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	19.85	19.92	19.83	21	0		
1.4	QPSK	1	3	19.84	19.96	19.84				
1.4	QPSK	1	5	19.66	19.73	19.75				
1.4	QPSK	3	0	19.83	19.97	19.88	21	0		
1.4	QPSK	3	1	19.80	19.94	19.75				
1.4	QPSK	3	3	19.69	19.91	19.69				
1.4	QPSK	6	0	19.88	19.75	19.85	21	0		
1.4	16QAM	1	0	19.80	19.83	19.69				
1.4	16QAM	1	3	19.85	19.87	19.82				
1.4	16QAM	1	5	19.82	19.84	19.64	21	0		
1.4	16QAM	3	1	19.87	19.80	19.80				
1.4	16QAM	3	1	19.80	19.80	19.76				
1.4	16QAM	3	3	19.71	19.83	19.88	21	0		
1.4	16QAM	6	0	19.82	19.74	19.81				
1.4	64QAM	1	0	19.91	19.82	19.68				
1.4	64QAM	1	3	19.88	19.82	19.78	21	0		
1.4	64QAM	1	5	19.75	19.73	19.84				
1.4	64QAM	3	0	19.84	19.96	19.83				
1.4	64QAM	3	3	19.86	19.90	19.83	21	0		
1.4	64QAM	3	3	19.66	19.79	19.76				
1.4	64QAM	6	0	19.77	19.93	19.69				

Band 4_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	20.72	20.83	20.77	22	0			
20	QPSK	1	49	20.68	20.74	20.73					
20	QPSK	1	99	20.69	20.75	20.76					
20	QPSK	50	0	20.71	20.80	20.73					
20	QPSK	50	24	20.69	20.77	20.69	22	0			
20	QPSK	50	50	20.59	20.73	20.62					
20	QPSK	100	0	20.62	20.79	20.67					
20	16QAM	1	0	20.68	20.75	20.69					
20	16QAM	1	49	20.69	20.73	20.65	22	0			
20	16QAM	1	99	20.63	20.82	20.64					
20	16QAM	50	0	20.57	20.81	20.76					
20	16QAM	50	24	20.71	20.79	20.72					
20	16QAM	50	50	20.62	20.74	20.64	22	0			
20	16QAM	100	0	20.68	20.78	20.65					
20	64QAM	1	0	20.58	20.69	20.63					
20	64QAM	1	49	20.65	20.78	20.70	22	0			
20	64QAM	1	99	20.59	20.76	20.71					
20	64QAM	50	0	20.24	20.22	20.21					
20	64QAM	50	24	20.27	20.21	20.27					
20	64QAM	50	50	20.21	20.19	20.27	21.5	0.5			
20	64QAM	100	0	20.23	20.19	20.25					
Channel				20025	20175	20325	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	20.69	20.71	20.65	22	0			
15	QPSK	1	37	20.60	20.68	20.61					
15	QPSK	1	74	20.67	20.60	20.71					
15	QPSK	36	0	20.56	20.69	20.68					
15	QPSK	36	20	20.64	20.76	20.54	22	0			
15	QPSK	36	39	20.57	20.72	20.58					
15	QPSK	75	0	20.55	20.73	20.56					
15	16QAM	1	0	20.65	20.60	20.66					
15	16QAM	1	37	20.62	20.64	20.62	22	0			
15	16QAM	1	74	20.58	20.76	20.50					
15	16QAM	36	0	20.56	20.78	20.58					
15	16QAM	36	20	20.65	20.72	20.58					
15	16QAM	36	39	20.53	20.73	20.49	22	0			
15	16QAM	75	0	20.59	20.63	20.51					
15	64QAM	1	0	20.50	20.67	20.62					
15	64QAM	1	37	20.61	20.77	20.67					
15	64QAM	1	74	20.53	20.66	20.67	22	0			
15	64QAM	36	0	20.09	20.18	20.18					
15	64QAM	36	20	20.13	20.18	20.12					
15	64QAM	36	39	20.16	20.07	20.18					
15	64QAM	75	0	20.09	20.17	20.10	21.5	0.5			
Channel				20000	20175	20350	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	20.67	20.68	20.69	22	0			
10	QPSK	1	25	20.61	20.70	20.59					
10	QPSK	1	49	20.60	20.65	20.68					
10	QPSK	25	0	20.64	20.67	20.68					
10	QPSK	25	12	20.64	20.74	20.63	22	0			
10	QPSK	25	25	20.49	20.72	20.60					
10	QPSK	50	0	20.61	20.68	20.60					
10	16QAM	1	0	20.63	20.72	20.67					
10	16QAM	1	25	20.57	20.66	20.54	22	0			
10	16QAM	1	49	20.54	20.79	20.55					
10	16QAM	25	0	20.51	20.73	20.74					
10	16QAM	25	12	20.69	20.68	20.70					
10	16QAM	25	25	20.52	20.72	20.54	22	0			
10	16QAM	50	0	20.62	20.67	20.53					
10	64QAM	1	0	20.56	20.59	20.48					
10	64QAM	1	25	20.54	20.66	20.56					
10	64QAM	1	49	20.56	20.67	20.66	22	0			
10	64QAM	25	0	20.21	20.12	20.13					
10	64QAM	25	12	20.13	20.06	20.12					
10	64QAM	25	25	20.07	20.10	20.26					
10	64QAM	50	0	20.17	20.16	20.14	21.5	0.5			
Channel				19975	20175	20375	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	20.65	20.73	20.76	22	0			
5	QPSK	1	12	20.67	20.66	20.72					
5	QPSK	1	24	20.64	20.74	20.62					
5	QPSK	12	0	20.58	20.77	20.69					
5	QPSK	12	7	20.56	20.74	20.58	22	0			
5	QPSK	12	13	20.51	20.58	20.57					
5	QPSK	25	0	20.61	20.74	20.55					
5	16QAM	1	0	20.66	20.70	20.62					
5	16QAM	1	12	20.56	20.69	20.59	22	0			
5	16QAM	1	24	20.51	20.78	20.53					
5	16QAM	12	0	20.48	20.69	20.61					
5	16QAM	12	7	20.61	20.74	20.57					
5	16QAM	12	13	20.47	20.62	20.61	22	0			
5	16QAM	25	0	20.64	20.77	20.57					
5	64QAM	1	0	20.48	20.60	20.62					
5	64QAM	1	12	20.57	20.64	20.68					
5	64QAM	1	24	20.54	20.65	20.69	22	0			
5	64QAM	12	0	20.18	20.08	20.08					
5	64QAM	12	7	20.13	20.08	20.20					
5	64QAM	12	13	20.11	20.13	20.13					
5	64QAM	25	0	20.20	20.10	20.11	21.5	0.5			
Channel				19965	20175	20385	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	20.63	20.74	20.76	22	0			
3	QPSK	1	8	20.55	20.60	20.60					
3	QPSK	1	14	20.59	20.63	20.70					
3	QPSK	8	0	20.67	20.65	20.66					
3	QPSK	8	4	20.61	20.76	20.67	22	0			
3	QPSK	8	7	20.58	20.65	20.51					
3	QPSK	15	0	20.48	20.64	20.52					
3	16QAM	1	0	20.56	20.67	20.54					
3	16QAM	1	8	20.66	20.62	20.56	22	0			
3	16QAM	1	14	20.56	20.77	20.62					
3	16QAM	8	0	20.44	20.69	20.66					
3	16QAM	8	4	20.56	20.64	20.62					
3	16QAM	8	7	20.61	20.65	20.57	22	0			
3	16QAM	15	0	20.54	20.67	20.61					
3	64QAM	1	0	20.50	20.67	20.59					
3	64QAM	1	8	20.52	20.76	20.62					
3	64QAM	1	14	20.47	20.74	20.64	22	0			
3	64QAM	8	0	20.20	20.20	20.16					
3	64QAM	8	4	20.25	20.12	20.20					
3	64QAM	8	7	20.12	20.12	20.26					
3	64QAM	15	0	20.08	20.04	20.11	21.5	0.5			
Channel				19957	20175	20393	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	20.58	20.76	20.70	22	0			
1.4	QPSK	1	3	20.59	20.68	20.67					
1.4	QPSK	1	5	20.66	20.63	20.67					
1.4	QPSK	3	0	20.62	20.68	20.65					
1.4	QPSK	3	1	20.65	20.69	20.57	22	0			
1.4	QPSK	3	3	20.51	20.63	20.54					
1.4	QPSK	6	0	20.58	20.72	20.54					
1.4	16QAM	1	0	20.61	20.69	20.68					
1.4	16QAM	1	3	20.68	20.58	20.62	22	0			
1.4	16QAM	1	5	20.52	20.71	20.58					
1.4	16QAM	3	0	20.49	20.74	20.62	22	0			
1.4	16QAM	3	1	20.61	20.65	20.71					
1.4	16QAM	3	3	20.50	20.64	20.55					
1.4	16QAM	6	0	20.60	20.70	20.60					
1.4	64QAM	1	0	20.57	20.59	20.61	22	0			
1.4	64QAM	1	3	20.52	20.72	20.69					
1.4	64QAM	1	5	20.57	20.73	20.62					
1.4	64QAM	3	0	20.68	20.71	20.68					
1.4	64QAM	3	1	20.62	20.72	20.67	22	0			
1.4	64QAM	3	3	20.59	20.69	20.68					
1.4	64QAM	6	0	20.14	20.05	20.22					
21.5										21.5	0.5

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.78	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74				
10	QPSK	25	12	22.63	22.67	22.72	24	1		
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73				
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02	24	1		
10	16QAM	1	49	22.71	23.00	22.97				
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95				
10	64QAM	1	49	21.84	21.98	21.81	23	2		
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69				
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74	22	3		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61				
5	QPSK	12	7	22.51	22.56	22.71	24	1		
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66				
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.51	22.62	22.93	24	1		
5	16QAM	1	24	22.67	22.90	22.86				
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94				
5	64QAM	1	24	21.72	21.93	21.76	23	2		
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58				
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74	22	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71				
3	QPSK	8	4	22.62	22.59	22.69	24	1		
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64				
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97	24	1		
3	16QAM	1	14	22.68	22.88	22.91				
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88				
3	64QAM	1	14	21.70	21.85	21.70	23	2		
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57				
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65	22	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85				
1.4	QPSK	3	1	23.63	23.68	23.45	24	1		
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65				
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00	24	1		
1.4	16QAM	1	5	22.66	22.86	22.84				
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92				
1.4	64QAM	1	5	21.80	21.92	21.80	23	2		
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70				
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77	22	3		

Band 5_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	22.57	22.65	22.61	24	0				
10	QPSK	1	25	22.51	22.55	22.53						
10	QPSK	1	49	22.44	22.54	22.53						
10	QPSK	25	0	22.56	22.63	22.55						
10	QPSK	25	12	22.54	22.49	22.50	24	0				
10	QPSK	25	25	22.55	22.56	22.47						
10	QPSK	50	0	22.56	22.60	22.52						
10	16QAM	1	0	22.47	22.63	22.50						
10	16QAM	1	25	22.56	22.55	22.54	24	0				
10	16QAM	1	49	22.50	22.59	22.50						
10	16QAM	25	0	21.57	21.47	21.60						
10	16QAM	25	12	21.62	21.42	21.64						
10	16QAM	25	25	21.61	21.48	21.62	23	1				
10	16QAM	50	0	21.61	21.46	21.61						
10	64QAM	1	0	21.75	21.87	21.80						
10	64QAM	1	25	21.76	21.60	21.66						
10	64QAM	1	49	21.62	21.68	21.94	23	1				
10	64QAM	25	0	20.50	20.53	20.61						
10	64QAM	25	12	20.49	20.46	20.48	22	2				
10	64QAM	25	25	20.52	20.58	20.52						
10	64QAM	50	0	20.51	20.51	20.61						
Channel				20425	20525	20625			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	22.47	22.59	22.46	24	0				
5	QPSK	1	12	22.44	22.49	22.51						
5	QPSK	1	24	22.36	22.47	22.52						
5	QPSK	12	0	22.58	22.55	22.49						
5	QPSK	12	7	22.46	22.47	22.48	24	0				
5	QPSK	12	13	22.52	22.43	22.36						
5	QPSK	25	0	22.47	22.55	22.41						
5	16QAM	1	0	22.43	22.54	22.46						
5	16QAM	1	12	22.42	22.46	22.53	24	0				
5	16QAM	1	24	22.35	22.49	22.49						
5	16QAM	12	0	21.49	21.46	21.53						
5	16QAM	12	7	21.58	21.30	21.53						
5	16QAM	12	13	21.53	21.41	21.61	23	1				
5	16QAM	25	0	21.58	21.50	21.48						
5	64QAM	1	0	21.63	21.85	21.75						
5	64QAM	1	12	21.61	21.56	21.64						
5	64QAM	1	24	21.48	21.59	21.85	23	1				
5	64QAM	12	0	20.40	20.40	20.48						
5	64QAM	12	7	20.34	20.36	20.36						
5	64QAM	12	13	20.40	20.56	20.41						
5	64QAM	25	0	20.42	20.50	20.55	22	2				
Channel				20415	20525	20635			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	22.53	22.58	22.45			24	0		
3	QPSK	1	8	22.38	22.50	22.47						
3	QPSK	1	14	22.36	22.46	22.38						
3	QPSK	8	0	22.46	22.49	22.33						
3	QPSK	8	4	22.39	22.48	22.48	24	0				
3	QPSK	8	7	22.45	22.45	22.39						
3	QPSK	15	0	22.49	22.58	22.42						
3	16QAM	1	0	22.39	22.58	22.35						
3	16QAM	1	8	22.46	22.50	22.49	24	0				
3	16QAM	1	14	22.49	22.45	22.37						
3	16QAM	8	0	21.63	21.49	21.46						
3	16QAM	8	4	21.57	21.39	21.53						
3	16QAM	8	7	21.53	21.37	21.56	23	1				
3	16QAM	15	0	21.59	21.31	21.47						
3	64QAM	1	0	21.63	21.78	21.79						
3	64QAM	1	8	21.65	21.53	21.55						
3	64QAM	1	14	21.55	21.61	21.88	23	1				
3	64QAM	8	0	20.49	20.41	20.60						
3	64QAM	8	4	20.36	20.44	20.36						
3	64QAM	8	7	20.40	20.41	20.40						
3	64QAM	15	0	20.43	20.42	20.48	22	2				
Channel				20407	20525	20643			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	22.50	22.53	22.46			24	0		
1.4	QPSK	1	3	22.37	22.50	22.41						
1.4	QPSK	1	5	22.34	22.51	22.39						
1.4	QPSK	3	0	22.48	22.63	22.47						
1.4	QPSK	3	1	22.45	22.52	22.45	24	0				
1.4	QPSK	3	3	22.33	22.51	22.43						
1.4	QPSK	6	0	22.47	22.54	22.54						
1.4	16QAM	1	0	22.40	22.47	22.45						
1.4	16QAM	1	2	22.45	22.45	22.35	24	0				
1.4	16QAM	1	5	22.52	22.48	22.37						
1.4	16QAM	3	0	22.40	22.54	22.49						
1.4	16QAM	3	1	22.49	22.54	22.49						
1.4	16QAM	3	3	22.38	22.47	22.47	23	1				
1.4	16QAM	6	0	21.50	21.37	21.58						
1.4	64QAM	1	0	21.71	21.77	21.67						
1.4	64QAM	1	3	21.62	21.53	21.63						
1.4	64QAM	1	5	21.61	21.82	21.83	23	1				
1.4	64QAM	3	0	21.61	21.82	21.68						
1.4	64QAM	3	1	21.63	21.59	21.57						
1.4	64QAM	3	3	21.60	21.54	21.91						
1.4	64QAM	6	0	20.45	20.42	20.50	22	2				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77			
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.95			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	22.5	2	
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.76	20.72			
Channel				20925	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.67	23.79	23.76			
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67	23.5	1	
15	QPSK	36	0	22.67	22.70	22.67			
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60	23.5	1	
15	16QAM	1	0	22.67	22.86	22.88			
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64	22.5	2	
15	16QAM	36	20	21.61	21.63	21.60			
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01	22.5	2	
15	64QAM	1	37	21.73	21.89	21.73			
15	64QAM	1	74	21.87	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56	21.5	3	
15	64QAM	36	39	20.56	20.77	20.69			
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.65	23.79	23.72			
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70	23.5	1	
10	QPSK	25	0	22.62	22.66	22.72			
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64	23.5	1	
10	16QAM	1	0	22.75	22.80	22.88			
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65	22.5	2	
10	16QAM	25	12	21.56	21.64	21.57			
10	16QAM	25	25	21.62	21.67	21.68			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90	22.5	2	
10	64QAM	1	25	21.67	21.81	21.84			
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69	21.5	3	
10	64QAM	25	25	20.60	20.72	20.62			
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.60	23.85	23.65			
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68	23.5	1	
5	QPSK	12	0	22.62	22.68	22.67			
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65	23.5	1	
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67	22.5	2	
5	16QAM	12	7	21.57	21.64	21.58			
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98	22.5	2	
5	64QAM	1	12	21.64	21.82	21.77			
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67	21.5	3	
5	64QAM	12	13	20.62	20.75	20.57			
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20850	21100	21350	18.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.57	17.66	17.50			
20	QPSK	1	49	17.47	17.65	17.45			
20	QPSK	1	99	17.46	17.64	17.42	18.5	0	
20	QPSK	50	0	17.54	17.63	17.48			
20	QPSK	50	24	17.46	17.61	17.42			
20	QPSK	50	50	17.50	17.60	17.40			
20	QPSK	100	0	17.53	17.60	17.46	18.5	0	
20	16QAM	1	0	17.55	17.52	17.47			
20	16QAM	1	49	17.46	17.53	17.46			
20	16QAM	1	99	17.52	17.52	17.59			
20	16QAM	50	0	17.44	17.61	17.50	18.5	0	
20	16QAM	50	24	17.45	17.64	17.54			
20	16QAM	50	50	17.42	17.52	17.58			
20	16QAM	100	0	17.48	17.59	17.46			
20	64QAM	1	0	17.42	17.52	17.47	18.5	0	
20	64QAM	1	49	17.50	17.60	17.48			
20	64QAM	1	99	17.48	17.59	17.47			
20	64QAM	50	0	17.46	17.54	17.57			
20	64QAM	50	24	17.50	17.51	17.51	18.5	0	
20	64QAM	50	50	17.43	17.59	17.52			
20	64QAM	100	0	17.42	17.56	17.48			
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.5	0	
15	QPSK	1	0	17.53	17.61	17.55			
15	QPSK	1	37	17.46	17.59	17.53			
15	QPSK	1	74	17.43	17.57	17.47	18.5	0	
15	QPSK	36	0	17.52	17.51	17.52			
15	QPSK	36	20	17.33	17.51	17.33			
15	QPSK	36	39	17.37	17.45	17.48			
15	QPSK	75	0	17.47	17.57	17.53	18.5	0	
15	16QAM	1	0	17.53	17.39	17.42			
15	16QAM	1	37	17.39	17.39	17.33			
15	16QAM	1	74	17.40	17.47	17.52			
15	16QAM	36	0	17.35	17.58	17.43	18.5	0	
15	16QAM	36	20	17.31	17.54	17.43			
15	16QAM	36	39	17.40	17.45	17.50			
15	16QAM	75	0	17.46	17.57	17.57			
15	64QAM	1	0	17.29	17.47	17.42	18.5	0	
15	64QAM	1	37	17.39	17.57	17.39			
15	64QAM	1	74	17.47	17.55	17.33			
15	64QAM	36	0	17.32	17.40	17.51			
15	64QAM	36	20	17.48	17.44	17.49	18.5	0	
15	64QAM	36	39	17.37	17.56	17.38			
15	64QAM	75	0	17.39	17.41	17.35			
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	18.5	0	
10	QPSK	1	0	17.50	17.53	17.47			
10	QPSK	1	25	17.44	17.55	17.52			
10	QPSK	1	49	17.30	17.49	17.51	18.5	0	
10	QPSK	25	0	17.40	17.49	17.46			
10	QPSK	25	12	17.44	17.50	17.42			
10	QPSK	25	25	17.48	17.51	17.47			
10	QPSK	50	0	17.41	17.53	17.44	18.5	0	
10	16QAM	1	0	17.41	17.43	17.32			
10	16QAM	1	25	17.31	17.38	17.38			
10	16QAM	1	49	17.46	17.50	17.51			
10	16QAM	25	0	17.36	17.45	17.43	18.5	0	
10	16QAM	25	12	17.36	17.47	17.48			
10	16QAM	25	25	17.31	17.50	17.43			
10	16QAM	50	0	17.45	17.48	17.36			
10	64QAM	1	0	17.31	17.37	17.41	18.5	0	
10	64QAM	1	25	17.37	17.46	17.38			
10	64QAM	1	49	17.38	17.58	17.44			
10	64QAM	25	0	17.44	17.46	17.52			
10	64QAM	25	12	17.37	17.47	17.40	18.5	0	
10	64QAM	25	25	17.35	17.55	17.49			
10	64QAM	50	0	17.39	17.49	17.39			
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	18.5	0	
5	QPSK	1	0	17.54	17.62	17.56			
5	QPSK	1	12	17.42	17.59	17.51			
5	QPSK	1	24	17.40	17.59	17.51	18.5	0	
5	QPSK	12	0	17.49	17.51	17.58			
5	QPSK	12	7	17.35	17.60	17.39			
5	QPSK	12	13	17.44	17.54	17.57			
5	QPSK	25	0	17.41	17.48	17.45	18.5	0	
5	16QAM	1	0	17.41	17.49	17.53			
5	16QAM	1	12	17.32	17.41	17.40			
5	16QAM	1	24	17.38	17.44	17.45			
5	16QAM	12	0	17.33	17.59	17.45	18.5	0	
5	16QAM	12	7	17.30	17.55	17.52			
5	16QAM	12	13	17.33	17.41	17.43			
5	16QAM	25	0	17.38	17.58	17.34			
5	64QAM	1	0	17.38	17.49	17.41	18.5	0	
5	64QAM	1	12	17.37	17.54	17.42			
5	64QAM	1	24	17.37	17.48	17.42			
5	64QAM	12	0	17.41	17.41	17.53			
5	64QAM	12	7	17.49	17.49	17.50	18.5	0	
5	64QAM	12	13	17.42	17.58	17.45			
5	64QAM	25	0	17.33	17.54	17.35			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.30	22.5	2		
5	16QAM	12	13	21.54	21.43	21.39				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5 <th colspan="2" rowspan="3">0</th>	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37	23.5	1		
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81	22.5	2		
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5 <th colspan="2" rowspan="3">0</th>	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1		
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1		
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2		
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	3		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24.5			
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.35	23.40	23.38				
10	QPSK	1	25	23.33	23.36	23.20	23.5	1		
10	QPSK	1	49	23.30	23.23	23.34				
10	QPSK	25	0	22.31	22.33	22.25				
10	QPSK	25	12	22.25	22.31	22.25	23.5	1		
10	QPSK	25	25	22.29	22.21	22.25				
10	QPSK	50	0	22.23	22.25	22.21				
10	16QAM	1	0	22.45	22.25	22.50	23.5	1		
10	16QAM	1	25	22.58	22.41	22.60				
10	16QAM	1	49	22.43	22.42	22.61				
10	16QAM	25	0	21.19	21.21	21.19	22.5	2		
10	16QAM	25	12	21.18	21.32	21.23				
10	16QAM	25	25	21.22	21.27	21.18				
10	16QAM	50	0	21.20	21.29	21.19	22.5	2		
10	64QAM	1	0	21.46	21.32	21.38				
10	64QAM	1	25	21.40	21.52	21.54				
10	64QAM	1	49	21.52	21.34	21.56	21.5	3		
10	64QAM	25	0	20.30	20.16	20.25				
10	64QAM	25	12	20.23	20.22	20.29				
10	64QAM	25	25	20.32	20.22	20.26	21.5	3		
10	64QAM	50	0	20.23	20.20	20.24				
Channel				23755	23760	23825				
Frequency (MHz)				700.5	710	713.5				
5	QPSK	1	0	23.35	23.35	23.24	24.5	0		
5	QPSK	1	12	23.29	23.25	23.09				
5	QPSK	1	24	23.26	23.10	23.23				
5	QPSK	12	0	22.26	22.18	22.22	23.5	1		
5	QPSK	12	7	22.16	22.27	22.18				
5	QPSK	12	13	22.16	22.18	22.22				
5	QPSK	25	0	22.17	22.23	22.12	23.5	1		
5	16QAM	1	0	22.39	22.17	22.48				
5	16QAM	1	12	22.57	22.40	22.56				
5	16QAM	1	24	22.42	22.36	22.46	22.5	2		
5	16QAM	12	0	21.12	21.14	21.07				
5	16QAM	12	7	21.12	21.19	21.11				
5	16QAM	12	13	21.11	21.15	21.09	22.5	2		
5	16QAM	25	0	21.14	21.24	21.12				
5	64QAM	1	0	21.45	21.20	21.33				
5	64QAM	1	12	21.29	21.40	21.44	22.5	2		
5	64QAM	1	24	21.44	21.27	21.56				
5	64QAM	12	0	20.13	20.09	20.13				
5	64QAM	12	7	20.21	20.10	20.28	21.5	3		
5	64QAM	12	13	20.23	20.19	20.24				
5	64QAM	25	0	20.17	20.06	20.13				

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	24.5	0	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.83	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	64QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	21.5	3	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77	24.5	0	
10	QPSK	1	25	23.64	23.84	23.68			
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.67	23.5	1	
10	QPSK	25	12	22.68	22.78	22.65			
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68	23.5	1	
10	16QAM	1	0	22.95	23.03	23.10			
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.99	23.01	23.05	22.5	2	
10	16QAM	25	0	21.52	21.67	21.75			
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71	22.5	2	
10	16QAM	50	0	21.74	21.73	21.88			
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97	22.5	2	
10	64QAM	1	49	22.00	22.05	22.03			
10	64QAM	25	0	20.70	20.62	20.80			
10	64QAM	25	12	20.61	20.70	20.84	21.5	3	
10	64QAM	25	25	20.71	20.79	20.85			
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5 <th>831.5</th> <th>846.5</th> <th></th> <th colspan="2"></th>	831.5	846.5			
5	QPSK	1	0	23.79	23.90	23.77	24.5	0	
5	QPSK	1	12	23.70	23.86	23.81			
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72	23.5	1	
5	QPSK	12	7	22.61	22.86	22.66			
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78	23.5	1	
5	16QAM	1	0	22.96	22.96	23.06			
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06	22.5	2	
5	16QAM	12	0	21.60	21.64	21.80			
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76	22.5	2	
5	16QAM	25	0	21.66	21.76	21.89			
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94	22.5	2	
5	64QAM	1	24	22.05	22.09	22.04			
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78	21.5	3	
5	64QAM	12	13	20.74	20.78	20.80			
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5 <th>831.5</th> <th>847.5</th> <th></th> <th colspan="2"></th>	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.79	24.5	0	
3	QPSK	1	8	23.61	23.82	23.72			
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71	23.5	1	
3	QPSK	8	4	22.63	22.76	22.75			
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76	23.5	1	
3	16QAM	1	0	22.85	23.03	23.09			
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.68	22.97	22.5	2	
3	16QAM	8	0	21.50	21.63	21.79			
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76	22.5	2	
3	16QAM	15	0	21.63	21.73	21.78			
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95	22.5	2	
3	64QAM	1	14	22.00	22.08	22.00			
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78	21.5	3	
3	64QAM	8	7	20.71	20.74	20.80			
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77	24.5	0	
1.4	QPSK	1	3	23.59	23.79	23.73			
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.77	23.5	1	
1.4	QPSK	3	1	23.63	23.78	23.72			
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76	23.5	1	
1.4	16QAM	1	0	22.87	23.02	23.03			
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97	23.5	1	
1.4	16QAM	3	0	22.95	22.94	23.10			
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97	22.5	2	
1.4	16QAM	6	0	21.71	21.75	21.81			
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00	22.5	2	
1.4	64QAM	1	5	22.01	22.08	22.01			
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93	21.5	3	
1.4	64QAM	3	3	22.10	22.09	21.97			
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.63	22.71	22.66	23.5	0	
15	QPSK	1	37	22.51	22.62	22.63			
15	QPSK	1	74	22.56	22.60	22.61			
15	QPSK	36	0	22.62	22.66	22.55	23.5	0	
15	QPSK	36	20	22.60	22.51	22.53			
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	75	0	22.60	22.62	22.58	23.5	0	
15	16QAM	1	0	22.55	22.57	22.52			
15	16QAM	1	37	22.48	22.67	22.63			
15	16QAM	1	74	22.54	22.57	22.53	22.5	1	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	1	
15	16QAM	75	0	21.57	21.48	21.59			
15	64QAM	1	0	21.63	21.37	21.32			
15	64QAM	1	37	21.62	21.60	21.57	21.5	2	
15	64QAM	1	74	21.59	21.56	21.60			
15	64QAM	36	0	20.60	20.52	20.54			
15	64QAM	36	20	20.60	20.49	20.57	21.5	2	
15	64QAM	36	39	20.51	20.55	20.58			
15	64QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.61	22.62	22.63	23.5	0	
10	QPSK	1	25	22.36	22.47	22.59			
10	QPSK	1	49	22.38	22.53	22.59			
10	QPSK	25	0	22.59	22.53	22.47	23.5	0	
10	QPSK	25	12	22.56	22.43	22.53			
10	QPSK	25	25	22.45	22.37	22.44			
10	QPSK	50	0	22.46	22.48	22.44	23.5	0	
10	16QAM	1	0	22.51	22.51	22.54			
10	16QAM	1	25	22.36	22.61	22.52			
10	16QAM	1	49	22.48	22.53	22.54	22.5	1	
10	16QAM	25	0	21.46	21.52	21.38			
10	16QAM	25	12	21.56	21.36	21.44			
10	16QAM	25	25	21.52	21.45	21.44	22.5	1	
10	16QAM	50	0	21.42	21.47	21.49			
10	64QAM	1	0	21.51	21.33	21.41			
10	64QAM	1	25	21.52	21.46	21.42	22.5	1	
10	64QAM	1	49	21.56	21.51	21.45			
10	64QAM	25	0	20.45	20.47	20.46			
10	64QAM	25	12	20.49	20.35	20.43	21.5	2	
10	64QAM	25	25	20.46	20.36	20.46			
10	64QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.60	22.63	22.59	23.5	0	
5	QPSK	1	12	22.43	22.55	22.48			
5	QPSK	1	24	22.47	22.52	22.47			
5	QPSK	12	0	22.49	22.53	22.44	23.5	0	
5	QPSK	12	7	22.56	22.40	22.47			
5	QPSK	12	13	22.42	22.32	22.37			
5	QPSK	25	0	22.46	22.61	22.56	23.5	0	
5	16QAM	1	0	22.43	22.50	22.50			
5	16QAM	1	12	22.45	22.64	22.50			
5	16QAM	1	24	22.49	22.49	22.45	22.5	1	
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	1	
5	16QAM	25	0	21.43	21.45	21.45			
5	64QAM	1	0	21.51	21.24	21.43			
5	64QAM	1	12	21.45	21.52	21.43	22.5	1	
5	64QAM	1	24	21.45	21.43	21.49			
5	64QAM	12	0	20.59	20.38	20.39			
5	64QAM	12	7	20.59	20.34	20.43	21.5	2	
5	64QAM	12	13	20.39	20.46	20.48			
5	64QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.53	22.66	22.52	23.5	0	
3	QPSK	1	8	22.47	22.48	22.51			
3	QPSK	1	14	22.41	22.46	22.51			
3	QPSK	8	0	22.51	22.56	22.53	23.5	0	
3	QPSK	8	7	22.54	22.44	22.51			
3	QPSK	8	14	22.42	22.31	22.46			
3	QPSK	15	0	22.51	22.57	22.48	23.5	0	
3	16QAM	1	0	22.40	22.49	22.54			
3	16QAM	1	8	22.36	22.54	22.50			
3	16QAM	1	14	22.48	22.54	22.42	22.5	1	
3	16QAM	8	0	21.53	21.40	21.42			
3	16QAM	8	4	21.55	21.45	21.36			
3	16QAM	8	7	21.49	21.31	21.42	22.5	1	
3	16QAM	15	0	21.44	21.37	21.45			
3	64QAM	1	0	21.48	21.31	21.51			
3	64QAM	1	8	21.56	21.56	21.44	21.5	2	
3	64QAM	1	14	21.46	21.53	21.49			
3	64QAM	8	0	20.48	20.49	20.47			
3	64QAM	8	4	20.46	20.47	20.49	21.5	2	
3	64QAM	8	7	20.42	20.53	20.55			
3	64QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.47	22.70	22.65	23.5	0	
1.4	QPSK	1	3	22.47	22.52	22.48			
1.4	QPSK	1	5	22.43	22.54	22.60			
1.4	QPSK	3	0	22.58	22.61	22.54	23.5	0	
1.4	QPSK	3	1	22.37	22.58	22.55			
1.4	QPSK	3	3	22.51	22.45	22.49			
1.4	QPSK	6	0	22.52	22.52	22.51	23.5	0	
1.4	16QAM	1	0	22.51	22.42	22.44			
1.4	16QAM	1	3	22.52	22.33	22.38			
1.4	16QAM	1	5	22.51	22.52	22.53	23.5	0	
1.4	16QAM	3	0	22.45	22.44	22.59			
1.4	16QAM	3	1	22.35	22.53	22.51			
1.4	16QAM	3	3	22.49	22.47	22.40	22.5	1	
1.4	16QAM	6	0	21.55	21.36	21.46			
1.4	64QAM	1	0	21.53	21.29	21.42			
1.4	64QAM	1	3	21.57	21.59	21.55	22.5	1	
1.4	64QAM	5	0	21.58	21.55	21.48			
1.4	64QAM	3	1	21.57	21.57	21.59			
1.4	64QAM	3	1	21.53	21.54	21.52	21.5	2	
1.4	64QAM	3	3	21.51	21.41	21.55			
1.4	64QAM	6	0	20.48	20.43	20.49			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.36	23.42			
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.19	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.36	23.39	23.31			
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	22.5	2	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.29	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.33	23.43			
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.48			
5	16QAM	1	24	22.27	22.40	22.55	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.42	23.37	23.39			
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.41	23.38	23.39			
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56	23.5	1	
1.4	16QAM	1	5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.40	22.44			
1.4	16QAM	3	1	22.55	22.26	22.58	22.5	2	
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	16QAM	6	0	21.24	21.29	21.23			
1.4	64QAM	1	0	21.43	21.45	21.41	22.5	2	
1.4	64QAM	1	3	21.68	21.69	21.54			
1.4	64QAM	1	5	21.38	21.41	21.52			
1.4	64QAM	3	0	21.47	21.57	21.44	22.5	2	
1.4	64QAM	3	1	21.64	21.58	21.49			
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34	21.5	3	

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	18.40	18.47	18.35	19.5	0			
20	QPSK	1	49	18.39	18.39	18.28					
20	QPSK	1	99	18.39	18.38	18.29					
20	QPSK	36	0	18.38	18.45	18.35					
20	QPSK	50	24	18.34	18.42	18.28	19.5	0			
20	QPSK	50	50	18.36	18.44	18.30					
20	QPSK	100	0	18.32	18.34	18.30					
20	16QAM	1	0	18.25	18.40	18.34					
20	16QAM	1	49	18.38	18.43	18.27	19.5	0			
20	16QAM	1	99	18.25	18.45	18.31					
20	16QAM	50	0	18.29	18.36	18.22					
20	16QAM	50	24	18.35	18.39	18.22					
20	16QAM	100	0	18.35	18.45	18.27	19.5	0			
20	64QAM	1	0	18.31	18.33	18.28					
20	64QAM	1	49	18.32	18.35	18.23					
20	64QAM	1	99	18.32	18.35	18.20					
20	64QAM	50	0	18.24	18.41	18.28	19.5	0			
20	64QAM	50	24	18.33	18.35	18.25					
20	64QAM	50	50	18.37	18.41	18.33					
20	64QAM	100	0	18.25	18.37	18.33					
Channel				37850	38000	38175					
Frequency (MHz)				2572.5	2595	2612.5					
15	QPSK	1	0	18.30	18.35	18.33	19.5	0			
15	QPSK	1	37	18.31	18.24	18.20					
15	QPSK	1	74	18.25	18.29	18.28					
15	QPSK	36	0	18.35	18.34	18.21					
15	QPSK	36	39	18.27	18.35	18.29	19.5	0			
15	QPSK	36	39	18.29	18.33	18.22					
15	QPSK	75	0	18.27	18.29	18.25					
15	16QAM	1	0	18.17	18.34	18.22					
15	16QAM	1	37	18.29	18.35	18.19	19.5	0			
15	16QAM	1	74	18.24	18.38	18.27					
15	16QAM	36	0	18.16	18.34	18.10					
15	16QAM	36	20	18.34	18.29	18.21					
15	16QAM	36	39	18.33	18.35	18.15	19.5	0			
15	16QAM	75	0	18.31	18.36	18.12					
15	64QAM	1	0	18.16	18.31	18.20					
15	64QAM	1	37	18.26	18.28	18.14					
15	64QAM	1	74	18.22	18.22	18.05	19.5	0			
15	64QAM	36	0	18.17	18.43	18.06					
15	64QAM	36	20	18.20	18.25	18.12					
15	64QAM	36	39	18.35	18.35	18.29					
15	64QAM	75	0	18.14	18.35	18.26	19.5	0			
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	18.26	18.42	18.22	19.5	0			
10	QPSK	1	25	18.24	18.26	18.16					
10	QPSK	1	49	18.37	18.35	18.21					
10	QPSK	25	0	18.31	18.44	18.20					
10	QPSK	25	12	18.24	18.35	18.13	19.5	0			
10	QPSK	25	25	18.29	18.34	18.17					
10	QPSK	50	0	18.23	18.27	18.16					
10	16QAM	1	0	18.22	18.26	18.24					
10	16QAM	1	25	18.34	18.36	18.16	19.5	0			
10	16QAM	1	49	18.20	18.39	18.27					
10	16QAM	25	0	18.19	18.30	18.21					
10	16QAM	25	12	18.25	18.37	18.13					
10	16QAM	25	25	18.21	18.34	18.18	19.5	0			
10	16QAM	50	0	18.27	18.42	18.12					
10	64QAM	1	0	18.26	18.32	18.16					
10	64QAM	1	25	18.29	18.27	18.13					
10	64QAM	1	49	18.21	18.21	18.09	19.5	0			
10	64QAM	25	0	18.25	18.34	18.18					
10	64QAM	25	12	18.27	18.23	18.18					
10	64QAM	25	25	18.24	18.37	18.24					
10	64QAM	50	0	18.10	18.35	18.22	19.5	0			
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	18.25	18.43	18.22	19.5	0			
5	QPSK	1	12	18.27	18.28	18.20					
5	QPSK	1	24	18.29	18.27	18.21					
5	QPSK	12	0	18.28	18.30	18.24					
5	QPSK	12	7	18.19	18.34	18.26	19.5	0			
5	QPSK	12	13	18.28	18.37	18.18					
5	QPSK	25	0	18.27	18.30	18.24					
5	16QAM	1	0	18.10	18.38	18.31					
5	16QAM	1	12	18.27	18.28	18.14	19.5	0			
5	16QAM	1	24	18.20	18.38	18.19					
5	16QAM	12	0	18.25	18.26	18.08					
5	16QAM	12	7	18.34	18.33	18.20					
5	16QAM	12	13	18.33	18.33	18.24	19.5	0			
5	16QAM	25	0	18.24	18.44	18.18					
5	64QAM	1	0	18.30	18.29	18.26					
5	64QAM	1	12	18.22	18.30	18.11					
5	64QAM	1	24	18.22	18.33	18.15	19.5	0			
5	64QAM	12	0	18.21	18.34	18.28					
5	64QAM	12	7	18.29	18.21	18.14					
5	64QAM	12	13	18.29	18.33	18.22					
5	64QAM	25	0	18.16	18.36	18.30	19.5	0			

Band 38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.09	23.75	23.07	24.5	0	
20	QPSK	1	49	23.52	23.74	23.56			
20	QPSK	1	99	23.58	23.70	23.57			
20	QPSK	36	0	22.44	22.63	22.41			
20	QPSK	50	24	22.51	22.60	22.52	23.5	1	
20	QPSK	50	50	22.50	22.61	22.53			
20	QPSK	100	0	22.53	22.61	22.53			
20	16QAM	1	0	22.58	22.64	22.56			
20	16QAM	1	49	22.87	22.70	22.64	23.5	1	
20	16QAM	1	99	22.80	22.64	22.53			
20	16QAM	50	0	21.57	21.58	21.57			
20	16QAM	50	24	21.57	21.62	21.57			
20	16QAM	100	0	21.56	21.61	21.51	22.5	2	
20	16QAM	100	0	21.56	21.59	21.55			
20	64QAM	1	0	21.35	21.32	21.30			
20	64QAM	1	49	21.30	21.42	21.41			
20	64QAM	1	99	21.43	21.38	21.17	22.5	2	
20	64QAM	50	0	20.56	20.61	20.60			
20	64QAM	50	24	20.59	20.61	20.57			
20	64QAM	50	50	20.63	20.65	20.55			
20	64QAM	100	0	20.60	20.61	20.57	21.5	3	
Channel				37850	38000	38175			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.02	23.63	23.62	24.5	0	
15	QPSK	1	37	23.47	23.62	23.55			
15	QPSK	1	74	23.46	23.55	23.54			
15	QPSK	36	0	22.42	22.50	22.52			
15	QPSK	36	39	22.46	22.52	22.50	23.5	1	
15	QPSK	36	39	22.42	22.52	22.50			
15	QPSK	75	0	22.42	22.56	22.43			
15	16QAM	1	0	22.53	22.59	22.42			
15	16QAM	1	37	22.53	22.59	22.42	23.5	1	
15	16QAM	1	74	22.65	22.60	22.58			
15	16QAM	36	0	21.54	21.51	21.56			
15	16QAM	36	20	21.45	21.54	21.52			
15	16QAM	36	39	21.46	21.54	21.44	22.5	2	
15	16QAM	75	0	21.51	21.50	21.47			
15	64QAM	1	0	21.33	21.22	21.27			
15	64QAM	1	37	21.17	21.29	21.27			
15	64QAM	1	74	21.36	21.21	21.27	22.5	2	
15	64QAM	36	0	20.45	20.51	20.56			
15	64QAM	36	20	20.57	20.60	20.44			
15	64QAM	36	39	20.58	20.64	20.41			
15	64QAM	75	0	20.55	20.56	20.56	21.5	3	
Channel				37850	38000	38175			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.45	23.70	23.65	24.5	0	
10	QPSK	1	25	23.45	23.63	23.47			
10	QPSK	1	49	23.46	23.65	23.49			
10	QPSK	12	0	22.41	22.54	22.43			
10	QPSK	25	12	22.39	22.48	22.45	23.5	1	
10	QPSK	25	25	22.45	22.47	22.49			
10	QPSK	50	0	22.45	22.49	22.44			
10	QPSK	50	25	22.46	22.47	22.41			
10	16QAM	1	25	22.62	22.66	22.56	23.5	1	
10	16QAM	1	49	22.65	22.52	22.46			
10	16QAM	25	0	21.50	21.49	21.56			
10	16QAM	25	12	21.49	21.50	21.55			
10	16QAM	50	25	21.55	21.46	21.49	22.5	2	
10	16QAM	50	0	21.42	21.56	21.40			
10	64QAM	1	0	21.27	21.26	21.28			
10	64QAM	1	25	21.17	21.39	21.32			
10	64QAM	12	0	21.42	21.31	21.02	22.5	2	
10	64QAM	25	0	20.44	20.56	20.47			
10	64QAM	25	12	20.57	20.54	20.48			
10	64QAM	25	25	20.54	20.58	20.52			
10	64QAM	50	0	20.54	20.59	20.54	21.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.52	23.68	23.59	24.5	0	
5	QPSK	1	12	23.51	23.63	23.46			
5	QPSK	12	24	23.48	23.67	23.45			
5	QPSK	12	0	22.51	22.57	22.46			
5	QPSK	12	7	22.47	22.57	22.49	23.5	1	
5	QPSK	12	13	22.43	22.53	22.41			
5	QPSK	25	0	22.39	22.47	22.41			
5	16QAM	1	12	22.42	22.51	22.51			
5	16QAM	1	12	22.64	22.58	22.63	23.5	1	
5	16QAM	1	24	22.65	22.53	22.43			
5	16QAM	12	0	21.52	21.50	21.50			
5	16QAM	12	7	21.52	21.51	21.56			
5	16QAM	12	13	21.56	21.58	21.38	22.5	2	
5	16QAM	25	0	21.44	21.48	21.49			
5	64QAM	1	0	21.20	21.31	21.27			
5	64QAM	1	12	21.19	21.34	21.38			
5	64QAM	1	24	21.37	21.35	21.08	22.5	2	
5	64QAM	12	0	20.50	20.58	20.50			
5	64QAM	12	13	20.51	20.55	20.42			
5	64QAM	25	0	20.56	20.56	20.47			
5	64QAM	25	12	20.45	20.46	20.51	21.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.20	18.08	18.52	18.30	18.45	19.5	0		
20	QPSK	1	49	18.17	17.95	18.44	18.20	18.37				
20	QPSK	1	99	18.08	18.07	18.48	18.24	18.43				
20	QPSK	50	0	18.18	18.05	18.49	18.26	18.42				
20	QPSK	50	24	18.17	18.04	18.41	18.25	18.31				
20	QPSK	50	50	18.08	18.02	18.40	18.17	18.40	19.5	0		
20	QPSK	100	0	18.18	17.95	18.42	18.19	18.40				
20	16QAM	1	0	18.12	18.07	18.40	18.22	18.34				
20	16QAM	1	49	18.16	18.04	18.41	18.22	18.43				
20	16QAM	1	99	18.14	18.00	18.41	18.17	18.34				
20	16QAM	50	0	18.09	18.05	18.41	18.20	18.39	19.5	0		
20	16QAM	50	24	18.13	17.93	18.45	18.21	18.42				
20	16QAM	50	50	18.14	18.06	18.44	18.26	18.36				
20	16QAM	100	0	18.19	18.02	18.45	18.28	18.35				
20	64QAM	1	0	18.19	18.05	18.46	18.19	18.33				
20	64QAM	1	49	18.08	17.99	18.48	18.29	18.35	19.5	0		
20	64QAM	1	99	18.18	18.05	18.47	18.22	18.39				
20	64QAM	50	0	18.09	17.95	18.48	18.25	18.37				
20	64QAM	50	24	18.08	17.84	18.41	18.27	18.34				
20	64QAM	50	50	18.12	18.06	18.38	18.25	18.41				
20	64QAM	100	0	18.06	18.07	18.51	18.18	18.38	19.5	0		
Channel				39725	40170	40620	41050	41515				
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5				
15	QPSK	1	0	18.11	18.05	18.44	18.19	18.44	19.5	0		
15	QPSK	1	37	18.11	17.81	18.31	18.16	18.36				
15	QPSK	1	74	17.98	17.95	18.41	18.12	18.38				
15	QPSK	36	0	18.11	17.81	18.42	18.13	18.32				
15	QPSK	36	20	18.15	17.89	18.35	18.16	18.28				
15	QPSK	36	39	18.03	17.83	18.37	18.07	18.25	19.5	0		
15	QPSK	75	0	18.12	17.84	18.36	18.07	18.31				
15	16QAM	1	0	18.09	17.84	18.30	18.12	18.26				
15	16QAM	1	37	18.03	17.84	18.35	18.06	18.38				
15	16QAM	1	74	18.01	17.85	18.27	18.04	18.29				
15	16QAM	36	0	18.08	18.01	18.33	18.12	18.36	19.5	0		
15	16QAM	36	20	18.02	17.87	18.41	18.14	18.24				
15	16QAM	36	39	18.05	17.88	18.41	18.19	18.23				
15	16QAM	75	0	18.15	17.82	18.31	18.15	18.34				
15	64QAM	1	0	18.10	17.87	18.37	18.04	18.29				
15	64QAM	1	37	18.03	17.85	18.35	18.14	18.32	19.5	0		
15	64QAM	1	74	18.07	17.86	18.36	18.13	18.26				
15	64QAM	36	0	18.05	17.86	18.47	18.16	18.21				
15	64QAM	36	20	17.93	17.85	18.35	18.21	18.30				
15	64QAM	36	39	17.97	17.91	18.32	18.20	18.40				
15	64QAM	75	0	18.00	18.00	18.37	18.03	18.33	19.5	0		
Channel				39700	40160.5	40620	41080.5	41540				
Frequency (MHz)				2501	2547.05	2593	2635.05	2685				
10	QPSK	1	0	18.05	17.81	18.42	18.23	18.44	19.5	0		
10	QPSK	1	25	18.09	17.86	18.34	18.19	18.34				
10	QPSK	1	49	18.03	17.87	18.41	18.21	18.34				
10	QPSK	25	0	18.12	17.86	18.41	18.23	18.31				
10	QPSK	25	12	18.04	17.89	18.34	18.20	18.24				
10	QPSK	25	25	17.97	17.87	18.36	18.15	18.27	19.5	0		
10	QPSK	50	0	18.15	17.81	18.32	18.07	18.39				
10	16QAM	1	0	17.99	18.01	18.34	18.11	18.19				
10	16QAM	1	25	18.08	18.03	18.29	18.12	18.28				
10	16QAM	1	49	18.12	17.85	18.38	18.07	18.26				
10	16QAM	25	0	17.99	17.82	18.26	18.08	18.32	19.5	0		
10	16QAM	25	12	18.08	17.91	18.37	18.08	18.40				
10	16QAM	25	25	18.03	18.02	18.33	18.19	18.23				
10	16QAM	50	0	18.04	17.83	18.35	18.23	18.31				
10	64QAM	1	0	18.12	17.82	18.36	18.14	18.30				
10	64QAM	1	25	18.03	17.85	18.41	18.18	18.29	19.5	0		
10	64QAM	1	49	18.16	17.98	18.40	18.11	18.29				
10	64QAM	25	0	17.86	17.82	18.41	18.11	18.25				
10	64QAM	25	12	18.04	17.93	18.34	18.15	18.26				
10	64QAM	25	25	18.09	17.88	18.36	18.10	18.32				
10	64QAM	50	0	18.03	17.88	18.38	18.08	18.32	19.5	0		
Channel				39675	40148	40620	41093	41555				
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5				
5	QPSK	1	0	18.11	17.99	18.48	18.24	18.35	19.5	0		
5	QPSK	1	12	18.15	17.84	18.34	18.11	18.22				
5	QPSK	1	24	18.03	17.85	18.39	18.21	18.40				
5	QPSK	12	0	18.12	17.87	18.42	18.13	18.38				
5	QPSK	12	7	18.08	17.89	18.27	18.20	18.18				
5	QPSK	12	13	18.03	17.87	18.36	18.03	18.29	19.5	0		
5	QPSK	25	0	18.09	17.83	18.36	18.04	18.30				
5	16QAM	1	0	17.97	17.88	18.28	18.17	18.20				
5	16QAM	1	12	18.10	17.98	18.31	18.09	18.39				
5	16QAM	1	24	18.09	17.81	18.30	18.02	18.22				
5	16QAM	12	0	17.99	18.04	18.35	18.10	18.34	19.5	0		
5	16QAM	12	7	18.08	17.80	18.30	18.18	18.38				
5	16QAM	12	13	18.00	17.85	18.31	18.19	18.29				
5	16QAM	25	0	18.15	18.01	18.36	18.18	18.33				
5	64QAM	1	0	18.11	18.00	18.38	18.13	18.23				
5	64QAM	1	12	18.02	17.87	18.40	18.24	18.20	19.5	0		
5	64QAM	1	24	18.17	18.03	18.37	18.10	18.27				
5	64QAM	12	0	18.06	17.93	18.36	18.11	18.28				
5	64QAM	12	7	18.01	17.80	18.38	18.13	18.23				
5	64QAM	12	13	18.01	18.00	18.34	18.12	18.39				
5	64QAM	25	0	17.94	17.87	18.38	18.13	18.25	19.5	0		

Band 41_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40165	40620	41065	41490				
Frequency (MHz)				25915	25495	25915	25915	25915				
20	QPSK	1	0	23.65	23.69	23.73	23.73	23.73	24.5	0		
20	QPSK	1	49	23.65	23.69	23.70	23.53	23.74	24.5	0		
20	QPSK	1	99	23.68	23.63	23.60	23.71	23.70	24.5	0		
20	QPSK	50	0	22.75	22.74	22.77	22.69	22.68	23.5	1		
20	QPSK	50	24	22.69	22.70	22.70	22.70	22.69	23.5	1		
20	QPSK	50	50	22.65	22.67	22.61	22.67	22.65	23.5	1		
20	QPSK	100	0	22.69	22.73	22.75	22.59	22.66	23.5	1		
20	16QAM	1	0	22.68	22.75	22.66	22.62	22.67	23.5	1		
20	16QAM	1	49	22.65	22.67	22.61	22.73	22.68	23.5	1		
20	16QAM	1	99	22.74	22.74	22.71	22.76	22.75	23.5	1		
20	16QAM	1	59	22.74	22.71	22.71	22.76	22.76	23.5	1		
20	16QAM	50	0	21.60	21.71	21.61	21.45	21.58	21.5	2		
20	16QAM	50	24	21.68	21.70	21.54	21.58	21.60	22.5	2		
20	16QAM	50	50	21.70	21.68	21.55	21.70	21.64	22.5	2		
20	16QAM	100	0	21.64	21.74	21.64	21.45	21.59	22.5	2		
20	64QAM	1	0	21.35	21.49	21.35	21.31	21.34	22.5	2		
20	64QAM	1	49	21.46	21.49	21.30	21.32	21.44	22.5	2		
20	64QAM	1	99	21.46	21.50	21.37	21.51	21.40	22.5	2		
20	64QAM	50	0	20.57	20.75	20.41	20.49	20.67	21.5	3		
20	64QAM	50	24	20.44	20.72	20.59	20.62	20.63	21.5	3		
20	64QAM	50	50	20.71	20.69	20.58	20.66	20.68	21.5	3		
20	64QAM	100	0	20.64	20.69	20.53	20.59	20.62	21.5	3		
Channel				25915	25495	25915	25915	25915	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25915	25495	25915	25915	25915				
15	QPSK	1	0	23.65	23.69	23.73	23.70	23.75	24.5	0		
15	QPSK	1	37	23.68	23.49	23.61	23.45	23.68	24.5	0		
15	QPSK	1	74	23.53	23.62	23.59	23.59	23.54	24.5	0		
15	QPSK	36	0	22.68	22.61	22.53	22.62	22.57	23.5	1		
15	QPSK	36	36	22.68	22.65	22.59	22.65	22.62	23.5	1		
15	QPSK	36	39	22.61	22.58	22.59	22.54	22.48	23.5	1		
15	QPSK	75	0	22.62	22.67	22.56	22.44	22.72	23.5	1		
15	16QAM	1	0	22.57	22.71	22.64	22.52	22.51	23.5	1		
15	16QAM	1	37	22.47	22.78	22.68	22.78	22.67	23.5	1		
15	16QAM	1	74	22.77	22.72	22.66	22.68	22.60	23.5	1		
15	16QAM	36	0	21.56	21.60	21.48	21.43	21.56	22.5	2		
15	16QAM	36	20	21.63	21.59	21.49	21.45	21.46	22.5	2		
15	16QAM	36	36	21.58	21.63	21.41	21.41	21.41	22.5	2		
15	16QAM	75	0	21.52	21.61	21.55	21.56	21.47	22.5	2		
15	64QAM	1	0	21.31	21.46	21.24	21.27	21.22	22.5	2		
15	64QAM	1	37	21.42	21.48	21.39	21.33	21.22	22.5	2		
15	64QAM	1	74	21.35	21.46	21.25	21.25	21.25	22.5	2		
15	64QAM	36	0	20.55	20.71	20.60	20.39	20.58	21.5	3		
15	64QAM	36	20	20.54	20.71	20.54	20.51	20.58	21.5	3		
15	64QAM	36	39	20.69	20.56	20.65	20.62	20.51	21.5	3		
15	64QAM	75	0	20.53	20.58	20.52	20.44	20.60	21.5	3		
Channel				25915	25495	25915	25915	25915	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25915	25497	25933	25939	25955				
10	QPSK	1	0	23.61	23.69	23.70	23.69	23.72	24.5	0		
10	QPSK	1	25	23.62	23.46	23.71	23.49	23.60	24.5	0		
10	QPSK	1	49	23.54	23.59	23.61	23.70	23.48	24.5	0		
10	QPSK	1	74	22.65	22.67	22.66	22.66	22.66	23.5	1		
10	QPSK	25	12	22.59	22.59	22.45	22.59	22.49	23.5	1		
10	QPSK	25	25	22.52	22.62	22.50	22.63	22.56	23.5	1		
10	QPSK	50	0	22.55	22.68	22.62	22.53	22.73	23.5	1		
10	QPSK	50	12	22.55	22.70	22.62	22.62	22.62	23.5	1		
10	16QAM	1	0	22.52	22.70	22.62	22.54	22.72	23.5	1		
10	16QAM	1	49	22.65	22.61	22.74	22.72	22.68	23.5	1		
10	16QAM	25	0	21.56	21.59	21.47	21.35	21.60	22.5	2		
10	16QAM	25	12	21.67	21.61	21.51	21.46	21.62	22.5	2		
10	16QAM	25	25	21.55	21.50	21.50	21.50	21.53	22.5	2		
10	16QAM	50	0	21.56	21.61	21.47	21.56	21.49	22.5	2		
10	64QAM	1	0	21.26	21.48	21.19	21.22	21.25	22.5	2		
10	64QAM	1	25	21.39	21.47	21.32	21.27	21.19	22.5	2		
10	64QAM	1	49	21.37	21.39	21.29	21.23	21.23	22.5	2		
10	64QAM	25	0	20.53	20.64	20.58	20.45	20.55	21.5	3		
10	64QAM	25	12	20.50	20.59	20.48	20.59	20.44	21.5	3		
10	64QAM	25	25	20.59	20.58	20.66	20.65	20.48	21.5	3		
10	64QAM	50	0	20.51	20.64	20.50	20.50	20.51	21.5	3		
Channel				39575	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				24985 <td>2545.8</td> <td>25933</td> <td>26030</td> <td>2697.5</td> <th></th> <th></th> <th></th> <th></th>	2545.8	25933	26030	2697.5				
5	QPSK	1	0	23.59	23.76	23.74	23.63	23.70	24.5	0		
5	QPSK	1	12	23.56	23.50	23.88	23.39	23.65	24.5	0		
5	QPSK	1	24	23.67	23.60	23.64	23.68	23.68	24.5	0		
5	QPSK	1	28	22.69	22.72	22.53	22.84	22.75	23.5	1		
5	QPSK	12	7	22.60	22.64	22.54	22.59	22.49	23.5	1		
5	QPSK	12	13	22.60	22.60	22.60	22.55	22.60	23.5	1		
5	QPSK	25	0	22.64	22.59	22.54	22.54	22.64	23.5	1		
5	16QAM	1	0	22.57	22.68	22.68	22.68	22.68	23.5	1		
5	16QAM	1	12	22.55	22.80	22.73	22.60	22.66	23.5	1		
5	16QAM	1	24	22.76	22.60	22.73	22.72	22.68	23.5	1		
5	16QAM	12	0	21.53	21.56	21.44	21.44	21.56	22.5	2		
5	16QAM	12	13	21.56	21.66	21.56	21.44	21.56	22.5	2		
5	16QAM	12	13	21.56	21.61	21.51	21.60	21.47	22.5	2		
5	16QAM	25	0	21.63	21.70	21.56	21.48	21.56	22.5	2		
5	16QAM	1	0	21.21	21.42	21.24	21.28	21.26	22.5	2		
5	16QAM	1	12	21.43	21.34	21.38	21.35	21.38	22.5	2		
5	64QAM	1	24	21.38	21.48	21.34	21.38	21.35	21.5	3		
5	64QAM	12	0	20.54	20.68	20.53	20.39	20.69	21.5	3		
5	64QAM	12	7	20.49	20.57	20.49	20.61	20.48	21.5	3		
5	64QAM	12	13	20.56	20.60	20.44	20.54	20.53	21.5	3		
5	64QAM	25	0	20.57	20.59	20.53	20.65	20.51	21.5	3		
5	64QAM	25	12	20.57	20.59	20.53	20.65	20.51	21.5	3		

Part 96_Band 48_Ant 1													Part 96_Band 48_Ant 3													Part 96_Band 48_Ant 5																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel													Channel													Channel																
Frequency (MHz)													Frequency (MHz)													Frequency (MHz)																
20	QPSK	1	0	20.44	20.40	20.38	20.42	20.40	20.40	20.40	21	0	20	QPSK	1	0	17.48	17.35	17.44	17.32	17.44	17.32	18	0	20	QPSK	1	0	21.50	21.45	21.39	21.46	21.45	21.39	21.46	22	0					
20	QPSK	1	49	20.35	20.30	20.31	20.37	20.35	20.35	20.35	21	0	20	QPSK	1	49	17.35	17.29	17.36	17.28	17.36	17.28	18	0	20	QPSK	1	49	21.40	21.43	21.24	21.39	21.40	21.39	21.24	21.39	21.40	22	0			
20	QPSK	1	99	20.39	20.26	20.25	20.34	20.39	20.26	20.25	21	0	20	QPSK	1	99	17.35	17.30	17.38	17.18	17.38	17.18	18	0	20	QPSK	1	99	21.42	21.39	21.28	21.24	21.39	21.28	21.24	21.39	21.28	21.24	22	0		
20	QPSK	50	0	20.45	20.26	20.26	20.41	20.45	20.26	20.26	21	0	20	QPSK	50	0	17.40	17.31	17.32	17.25	17.32	17.25	18	0	20	QPSK	50	0	21.47	21.37	21.30	21.24	21.37	21.30	21.24	21.37	21.30	21.24	22	0		
20	QPSK	50	24	20.40	20.26	20.30	20.39	20.40	20.26	20.30	21	0	20	QPSK	50	24	17.36	17.21	17.32	17.25	17.32	17.25	18	0	20	QPSK	50	24	21.34	21.38	21.32	21.39	21.34	21.38	21.32	21.39	21.34	21.38	22	0		
20	QPSK	50	50	20.39	20.33	20.24	20.36	20.39	20.33	20.24	21	0	20	QPSK	50	50	17.39	17.29	17.35	17.28	17.35	17.28	18	0	20	QPSK	50	50	21.31	21.32	21.32	21.33	21.31	21.32	21.32	21.33	21.31	21.32	22	0		
20	QPSK	100	0	20.42	20.34	20.37	20.32	20.42	20.34	20.37	21	0	20	QPSK	100	0	17.41	17.24	17.39	17.21	17.39	17.21	18	0	20	QPSK	100	0	21.49	21.44	21.31	21.41	21.49	21.44	21.31	21.41	21.49	21.44	21.31	21.41	22	0
20	16QAM	1	0	20.40	20.32	20.28	20.39	20.40	20.32	20.28	21	0	20	16QAM	1	0	17.40	17.26	17.39	17.17	17.39	17.17	18	0	20	16QAM	1	0	21.42	21.43	21.31	21.31	21.42	21.43	21.31	21.31	21.42	21.43	21.31	21.31	22	0
20	16QAM	1	49	20.37	20.26	20.26	20.41	20.37	20.26	20.26	21	0	20	16QAM	1	49	17.45	17.32	17.38	17.23	17.38	17.23	18	0	20	16QAM	1	49	21.45	21.31	21.32	21.38	21.45	21.31	21.32	21.38	21.45	21.31	21.32	21.38	22	0
20	16QAM	1	99	20.31	20.25	20.26	20.36	20.31	20.25	20.26	21	0	20	16QAM	1	99	17.33	17.28	17.40	17.20	17.40	17.20	18	0	20	16QAM	1	99	21.47	21.40	21.29	21.36	21.47	21.40	21.29	21.36	21.47	21.40	21.29	21.36	22	0
20	16QAM	50	0	20.32	20.28	20.26	20.29	20.32	20.28	20.26	21	0	20	16QAM	50	0	17.39	17.25	17.41	17.25	17.41	17.25	18	0	20	16QAM	50	0	20.29	20.37	20.33	20.48	20.29	20.37	20.33	20.48	20.29	20.37	20.33	20.48	22	0
20	16QAM	50	24	20.35	20.29	20.35	20.28	20.35	20.29	20.35	21	0	20	16QAM	50	24	17.34	17.24	17.43	17.24	17.43	17.24	18	0	20	16QAM	50	24	20.29	20.44	20.35	20.46	20.29	20.44	20.35	20.46	20.29	20.44	20.35	20.46	22	0
20	16QAM	50	50	20.40	20.34	20.26	20.34	20.40	20.34	20.26	21	0	20	16QAM	50	50	17.43	17.25	17.39	17.17	17.39	17.17	18	0	20	16QAM	50	50	20.25	20.42	20.31	20.51	20.25	20.42	20.31	20.51	20.25	20.42	20.31	20.51	22	0
20	16QAM	100	0	20.44	20.39	20.34	20.36	20.44	20.39	20.34	21	0	20	16QAM	100	0	17.44	17.31	17.32	17.21	17.32	17.21	18	0	20	16QAM	100	0	20.25	20.39	20.32	20.48	20.25	20.39	20.32	20.48	20.25	20.39	20.32	20.48	22	0
20	64QAM	1	0	20.36	20.38	20.36	20.38	20.36	20.38	20.36	21	0	20	64QAM	1	0	17.46	17.27	17.31	17.22	17.31	17.22	18	0	20	64QAM	1	0	19.92	19.98	19.95	20.07	19.92	19.98	19.95	20.07	19.92	19.98	19.95	20.07	22	0
20	64QAM	1	49	20.34	20.31	20.35	20.30	20.34	20.31	20.35	21	0	20	64QAM	1	49	17.43	17.27	17.42	17.25	17.42	17.25	18	0	20	64QAM	1	49	19.88	20.06	19.97	20.11	19.88	20.06	19.97	20.11	19.88	20.06	19.97	20.11	22	0
20	64QAM	1	99	20.34	20.32	20.27	20.30	20.34	20.32	20.27	21	0	20	64QAM	1	99	17.41	17.20	17.40	17.25	17.40	17.25	18	0	20	64QAM	1	99	19.86	20.02	19.89	20.05	19.86	20.02	19.89	20.05	19.86	20.02	19.89	20.05	22	0
20	64QAM	50	0	19.42	19.52	19.56	19.48	19.42	19.52	19.56	20	1	20	64QAM	50	0	17.38	17.32	17.30	17.27	17.30	17.27	18	0	20	64QAM	50	0	19.52	19.38	19.29	19.46	19.52	19.38	19.29	19.46	19.52	19.38	19.29	19.46	20	2
20	64QAM	50	24	19.37	19.51	19.42	19.33	19.37	19.51	19.42	20	1	20	64QAM	50	24	17.40	17.28	17.32	17.21	17.32	17.21	18	0	20	64QAM	50	24	19.28	19.44	19.35	19.51	19.28	19.44	19.35	19.51	19.28	19.44	19.35	19.51	20	2
20	64QAM	50	50	19.35	19.41	19.51	19.40	19.35	19.41	19.51	20	1	20	64QAM	50	50	17.33	17.24	17.40	17.30	17.40	17.30	18	0	20	64QAM	50	50	19.17	19.43	19.31	19.53	19.17	19.43	19.31	19.53	19.17	19.43	19.31	19.53	20	2
20	64QAM	100	0	19.34	19.50	19.42	19.39	19.34	19.50	19.42	20	1	20	64QAM	100	0	17.42	17.25	17.34	17.18	17.34	17.18	18	0	20	64QAM	100	0	19.22	19.39	19.37	19.49	19.22	19.39	19.37	19.49	19.22	19.39	19.37	19.49	20	2
Channel													Channel													Channel																
Frequency (MHz)													Frequency (MHz)													Frequency (MHz)																
15	QPSK	1	0	20.39	20.34	20.29	20.36	20.39	20.34	20.29	21	0	15	QPSK	1	0	17.46	17.20	17.40	17.21	17.40	17.21	18	0	15	QPSK	1	0	21.36	21.41	21.27	21.43	21.36	21.41	21.27	21.43	21.36	21.41	21.27	21.43	22	0
15	QPSK	1	37	20.30	20.18	20.18	20.30	20.30	20.18	20.18	21	0	15	QPSK	1	37	17.29	17.19	17.21	17.21	17.21	17.21	18	0	15	QPSK	1	37	21.31	21.34	21.16	21.38	21.31	21.34	21.16	21.38	21.31	21.34	21.16	21.38	22	0
15	QPSK	1	74	20.36	20.27	20.22	20.19	20.36	20.27	20.22	21	0	15	QPSK	1	74	17.32	17.26	17.33	17.07	17.33	17.07	18	0	15	QPSK	1	74	21.27	21.37	21.27	21.40	21.27	21.37	21.27	21.40	21.27	21.37	21.27	21.40	22	0
15	QPSK	36	0	20.30	20.29	20.35	20.30	20.30	20.29	20.35	21	0	15	QPSK	36	0	17.33	17.20	17.31	17.17	17.31	17.17	18	0	15	QPSK	36	0	21.23	21.27	21.26	21.21	21.23	21.27	21.26	21.21	21.23	21.27	21.26	21.21	22	0
15	QPSK	36	39	20.33	20.18	20.13	20.28	20.33	20.18	20.13	21	0	15	QPSK	36	39	17.27	17.17	17.30	17.20	17.30	17.20	18	0	15	QPSK	36	39	21.12	21.20	21.18	21.19	21.12	21.20	21.18	21.19	21.12	21.20	21.18	21.19	22	0
15	QPSK	75	0	20.34	20.32	20.27	20.26	20.34	20.32	20.27	21	0	15	QPSK	75																											

Part 96_Band 48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	17.82	17.53	17.71	17.68	18.5	0	
20	QPSK	1	49	17.75	17.55	17.59	17.60			
20	QPSK	1	99	17.71	17.62	17.58	17.54			
20	QPSK	50	0	17.77	17.59	17.68	17.65			
20	QPSK	50	24	17.67	17.47	17.67	17.60	18.5	0	
20	QPSK	50	50	17.89	17.48	17.65	17.64			
20	QPSK	100	0	17.75	17.50	17.57	17.64			
20	16QAM	1	0	17.70	17.49	17.63	17.64			
20	16QAM	1	49	17.71	17.51	17.62	17.61	18.5	0	
20	16QAM	1	99	17.71	17.48	17.65	17.63			
20	16QAM	50	0	17.73	17.48	17.58	17.52			
20	16QAM	50	24	17.81	17.53	17.64	17.60			
20	16QAM	50	50	17.67	17.59	17.58	17.60	18.5	0	
20	16QAM	100	0	17.68	17.56	17.68	17.53			
20	64QAM	1	0	17.73	17.56	17.68	17.63			
20	64QAM	1	49	17.71	17.62	17.65	17.55	18.5	0	
20	64QAM	1	99	17.76	17.61	17.61	17.52			
20	64QAM	50	0	17.71	17.61	17.57	17.61			
20	64QAM	50	24	17.72	17.59	17.65	17.62			
20	64QAM	50	50	17.77	17.54	17.60	17.57	18.5	0	
20	64QAM	100	0	17.68	17.52	17.66	17.56			
Channel				55815	55890	56165	56685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3567.5	3609	3642	3692.5			
15	QPSK	1	0	17.73	17.62	17.67	17.60	18.5	0	
15	QPSK	1	37	17.63	17.44	17.45	17.45			
15	QPSK	1	74	17.60	17.52	17.57	17.42			
15	QPSK	36	0	17.74	17.47	17.57	17.61			
15	QPSK	36	20	17.62	17.51	17.60	17.58	18.5	0	
15	QPSK	36	39	17.58	17.46	17.51	17.55			
15	QPSK	75	0	17.65	17.44	17.49	17.52			
15	16QAM	1	0	17.61	17.46	17.50	17.52			
15	16QAM	1	37	17.65	17.37	17.56	17.54	18.5	0	
15	16QAM	1	74	17.60	17.45	17.53	17.61			
15	16QAM	36	0	17.61	17.41	17.54	17.47			
15	16QAM	36	20	17.71	17.49	17.55	17.51			
15	16QAM	36	39	17.62	17.46	17.52	17.52	18.5	0	
15	16QAM	75	0	17.60	17.43	17.55	17.48			
15	64QAM	1	0	17.65	17.47	17.63	17.56			
15	64QAM	1	37	17.65	17.53	17.53	17.44	18.5	0	
15	64QAM	1	74	17.70	17.59	17.51	17.40			
15	64QAM	36	0	17.66	17.56	17.56	17.46			
15	64QAM	36	20	17.71	17.52	17.62	17.54			
15	64QAM	36	39	17.76	17.46	17.57	17.52	18.5	0	
15	64QAM	75	0	17.63	17.43	17.52	17.55			
Channel				55890	55915	56190	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	17.60	17.57	17.70	17.55	18.5	0	
10	QPSK	1	25	17.67	17.48	17.51	17.49			
10	QPSK	1	49	17.61	17.56	17.52	17.39			
10	QPSK	25	0	17.64	17.45	17.66	17.53			
10	QPSK	25	12	17.62	17.46	17.52	17.47	18.5	0	
10	QPSK	25	25	17.60	17.41	17.52	17.55			
10	QPSK	50	0	17.67	17.46	17.56	17.53			
10	16QAM	1	0	17.59	17.40	17.60	17.61			
10	16QAM	1	25	17.69	17.45	17.53	17.52	18.5	0	
10	16QAM	1	49	17.68	17.46	17.57	17.52			
10	16QAM	25	0	17.58	17.33	17.54	17.51			
10	16QAM	25	12	17.77	17.44	17.61	17.46			
10	16QAM	25	25	17.62	17.52	17.48	17.48	18.5	0	
10	16QAM	50	0	17.60	17.54	17.55	17.50			
10	64QAM	1	0	17.61	17.52	17.65	17.50			
10	64QAM	1	25	17.58	17.60	17.54	17.53			
10	64QAM	1	49	17.74	17.51	17.52	17.41	18.5	0	
10	64QAM	25	0	17.70	17.60	17.52	17.57			
10	64QAM	25	12	17.71	17.44	17.64	17.50			
10	64QAM	25	25	17.63	17.48	17.56	17.43			
10	64QAM	50	0	17.69	17.51	17.53	17.41	18.5	0	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	17.60	17.60	17.58	17.58	18.5	0	
5	QPSK	1	12	17.67	17.45	17.46	17.54			
5	QPSK	1	24	17.65	17.55	17.45	17.41			
5	QPSK	12	0	17.68	17.48	17.59	17.63			
5	QPSK	12	7	17.55	17.43	17.53	17.55	18.5	0	
5	QPSK	12	13	17.66	17.44	17.64	17.54			
5	QPSK	25	0	17.73	17.35	17.43	17.46			
5	16QAM	1	0	17.57	17.38	17.50	17.50			
5	16QAM	1	12	17.69	17.46	17.58	17.54	18.5	0	
5	16QAM	1	24	17.67	17.44	17.59	17.48			
5	16QAM	12	0	17.67	17.41	17.51	17.48			
5	16QAM	12	7	17.75	17.43	17.50	17.53			
5	16QAM	12	13	17.67	17.45	17.48	17.48	18.5	0	
5	16QAM	25	0	17.61	17.49	17.61	17.38			
5	64QAM	1	0	17.72	17.50	17.62	17.60			
5	64QAM	1	12	17.62	17.54	17.63	17.54			
5	64QAM	1	24	17.62	17.48	17.49	17.48	18.5	0	
5	64QAM	12	0	17.67	17.49	17.50	17.58			
5	64QAM	12	7	17.69	17.45	17.57	17.59			
5	64QAM	12	13	17.71	17.49	17.46	17.44			
5	64QAM	25	0	17.55	17.38	17.65	17.42			

Reduced Power Mode for EC11

GSM850_Ant 0	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		28.29	28.16	28.30	29.00	19.29	19.16	19.30	20.00
GPRS 1 Tx slot		28.20	28.13	28.25	29.00	19.20	19.13	19.25	20.00
GPRS 2 Tx slots		26.38	26.31	26.37	27.00	20.38	20.31	20.37	21.00
GPRS 3 Tx slots		25.34	25.25	25.28	26.00	21.08	20.99	21.02	21.74
GPRS 4 Tx slots		23.95	23.93	23.99	25.00	20.95	20.93	20.99	22.00
EDGE 1 Tx slot		24.32	24.25	24.30	25.50	15.32	15.25	15.30	16.50
EDGE 2 Tx slots		23.19	23.08	23.18	24.50	17.19	17.08	17.18	18.50
EDGE 3 Tx slots		20.77	20.61	20.78	22.00	16.51	16.35	16.52	17.74
EDGE 4 Tx slots		19.29	19.35	19.31	20.50	16.29	16.35	16.31	17.50

GSM1900_Ant 4		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		24.70	24.71	24.85	25.00	15.70	15.71	15.85	16.00
GPRS 1 Tx slot		24.75	24.77	24.79	25.00	15.75	15.77	15.79	15.80
GPRS 2 Tx slots		22.65	22.67	22.69	23.00	16.65	16.67	16.69	17.00
GPRS 3 Tx slots		21.23	21.25	21.27	22.00	16.97	16.99	17.01	17.74
GPRS 4 Tx slots		20.22	20.24	20.26	21.00	17.22	17.24	17.26	18.00
EDGE 1 Tx slot		20.52	20.54	20.56	21.50	11.52	11.54	11.56	12.50
EDGE 2 Tx slots		19.03	19.05	19.07	20.50	13.03	13.05	13.07	13.74
EDGE 3 Tx slots		16.71	16.73	16.75	18.00	12.45	12.47	12.49	13.74
EDGE 4 Tx slots		15.54	15.56	15.58	16.50	12.54	12.56	12.58	13.50

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.80	18.93	18.91	20.00	19.66	19.73	19.70	21.00
3GPP Rel 99	RMTC 12.2Kbps	18.85	19.04	18.98	20.00	19.77	19.80	19.73	21.00
3GPP Rel 6	HSDPA Subtest-1	18.16	18.31	18.28	19.00	19.12	19.21	19.27	20.00
3GPP Rel 6	HSDPA Subtest-2	18.11	18.29	18.23	19.00	19.04	19.13	19.18	20.00
3GPP Rel 6	HSDPA Subtest-3	17.80	17.72	17.73	18.50	18.61	18.69	18.75	19.50
3GPP Rel 6	HSDPA Subtest-4	17.74	17.75	17.77	18.50	18.51	18.56	18.75	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.00	18.14	18.23	19.00	19.02	19.04	19.15	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.94	18.11	18.13	19.00	19.11	19.04	18.95	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.59	17.58	17.68	18.50	18.52	18.66	18.59	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.57	17.51	17.65	18.50	18.43	18.45	18.53	19.50
3GPP Rel 6	HSUPA Subtest-1	16.20	16.21	16.31	17.00	17.10	17.12	17.24	18.00
3GPP Rel 6	HSUPA Subtest-2	16.22	16.41	16.25	17.00	17.21	17.23	17.15	18.00
3GPP Rel 6	HSUPA Subtest-3	17.32	17.22	17.28	18.00	18.18	18.17	18.26	19.00
3GPP Rel 6	HSUPA Subtest-4	15.78	15.76	15.78	17.00	16.74	16.85	16.78	18.00
3GPP Rel 6	HSUPA Subtest-5	17.23	17.35	17.35	19.00	18.15	18.18	18.17	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.10	16.09	16.13	17.50	17.04	17.17	17.12	18.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	14.82	14.95	14.96	16.00	16.80	16.74	16.74	18.00
3GPP Rel 99	RMTC 12.2Kbps	15.95	15.96	16.02	16.00	16.83	16.86	16.75	18.00
3GPP Rel 6	HSDPA Subtest-1	14.19	14.33	14.33	15.00	16.13	16.17	16.19	17.00
3GPP Rel 6	HSDPA Subtest-2	14.15	14.17	14.24	15.00	16.12	16.05	16.10	17.00
3GPP Rel 6	HSDPA Subtest-3	13.73	13.86	13.88	14.50	15.52	15.65	15.69	16.50
3GPP Rel 6	HSDPA Subtest-4	13.78	13.73	13.72	14.50	15.60	15.60	15.58	16.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.10	14.03	14.16	15.00	15.97	16.00	16.04	17.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.02	14.10	14.23	15.00	15.85	15.90	15.96	17.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.56	13.59	13.81	14.50	15.36	15.51	15.46	16.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.60	13.56	13.65	14.50	15.53	15.43	15.60	16.50
3GPP Rel 6	HSUPA Subtest-1	12.22	12.14	12.20	13.00	13.83	13.95	14.00	15.00
3GPP Rel 6	HSUPA Subtest-2	12.28	12.25	12.14	13.00	14.21	14.14	14.23	15.00
3GPP Rel 6	HSUPA Subtest-3	13.18	13.16	13.26	14.00	15.18	15.15	15.11	16.00
3GPP Rel 6	HSUPA Subtest-4	11.79	11.65	11.55	13.00	13.58	13.67	13.55	15.00
3GPP Rel 6	HSUPA Subtest-5	13.19	13.32	13.25	15.00	15.17	15.13	15.05	17.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.04	12.10	12.14	13.50	14.03	14.23	14.03	15.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tuneup Limit (dbm)
	Tx Channel	128	189		251	128	189	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		30.22	30.29	30.24	31.00	21.22	21.29	21.24
GPRS 1 Tx slot		30.19	30.26	30.20	31.00	21.19	21.26	21.20
GPRS 2 Tx slots		28.10	28.13	28.21	29.00	22.10	22.13	22.21
GPRS 3 Tx slots		25.74	25.90	25.89	27.00	21.48	21.64	21.63
GPRS 4 Tx slots		24.66	24.74	24.68	26.00	21.66	21.74	21.68
EDGE 1 Tx slot		24.56	24.55	24.33	25.50	15.56	15.55	15.33
EDGE 2 Tx slots		23.46	23.29	23.41	24.50	17.46	17.29	17.41
EDGE 3 Tx slots		21.16	21.11	21.08	22.50	16.90	16.85	16.82
EDGE 4 Tx slots		19.99	19.92	19.93	21.50	16.99	16.92	16.93

GSM1900_Ant 2	Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up	
	Tx Channel	512	661	810	Limit (dbm)	512	661	810	Limit (dbm)
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		28.68	28.79	28.74	30.50	20.68	20.79	20.74	21.50
GPRS 1 Tx slot		28.66	28.77	28.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	19.00
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.04

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMTC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.25	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.74	22.76	22.66	23.50	22.56	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.16	22.50	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	19.42	19.45	19.41	20.5	0		
20	QPSK	1	49	19.25	19.41	19.27				
20	QPSK	1	99	19.16	19.35	19.31				
20	QPSK	50	0	19.39	19.43	19.36	20.5	0		
20	QPSK	50	24	19.31	19.39	19.31				
20	QPSK	50	50	19.16	19.34	19.27				
20	QPSK	100	0	19.29	19.33	19.27	20.5	0		
20	16QAM	1	0	19.18	19.33	19.31				
20	16QAM	1	49	19.29	19.42	19.26				
20	16QAM	1	99	19.33	19.37	19.34	20.5	0		
20	16QAM	50	0	19.36	19.47	19.36				
20	16QAM	50	24	19.20	19.26	19.18				
20	16QAM	50	50	19.25	19.32	19.25	20.5	0		
20	16QAM	100	0	19.33	19.23	19.19				
20	64QAM	1	0	19.32	19.32	19.23				
20	64QAM	1	49	19.35	19.29	19.31	20.5	0		
20	64QAM	1	99	19.30	19.32	19.33				
20	64QAM	50	0	19.37	19.40	19.31				
20	64QAM	50	24	19.29	19.30	19.24	20.5	0		
20	64QAM	50	50	19.32	19.30	19.30				
20	64QAM	100	0	19.18	19.44	19.17				
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	19.30	19.41	19.27	20.5	0		
15	QPSK	1	37	19.24	19.35	19.13				
15	QPSK	1	74	19.03	19.26	19.20				
15	QPSK	36	0	19.25	19.29	19.26	20.5	0		
15	QPSK	36	20	19.16	19.34	19.14				
15	QPSK	36	39	19.05	19.28	19.25				
15	QPSK	75	0	19.18	19.21	19.25	20.5	0		
15	16QAM	1	0	19.06	19.24	19.25				
15	16QAM	1	37	19.25	19.39	19.11				
15	16QAM	1	74	19.19	19.23	19.18	20.5	0		
15	16QAM	36	0	19.33	19.38	19.24				
15	16QAM	36	20	19.10	19.23	19.03				
15	16QAM	36	39	19.21	19.18	19.13	20.5	0		
15	16QAM	75	0	19.27	19.10	19.14				
15	64QAM	1	0	19.26	19.23	19.12				
15	64QAM	1	37	19.29	19.20	19.19	20.5	0		
15	64QAM	1	74	19.26	19.29	19.21				
15	64QAM	36	0	19.32	19.34	19.25				
15	64QAM	36	20	19.14	19.23	19.14	20.5	0		
15	64QAM	36	39	19.30	19.28	19.22				
15	64QAM	75	0	19.07	19.43	19.07				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	19.19	19.40	19.26	20.5	0		
10	QPSK	1	25	19.16	19.40	19.12				
10	QPSK	1	49	19.03	19.25	19.30				
10	QPSK	25	0	19.35	19.31	19.24	20.5	0		
10	QPSK	25	12	19.24	19.27	19.13				
10	QPSK	25	25	19.04	19.31	19.16				
10	QPSK	50	0	19.27	19.30	19.18	20.5	0		
10	16QAM	1	0	19.07	19.27	19.23				
10	16QAM	1	25	19.17	19.35	19.18				
10	16QAM	1	49	19.21	19.36	19.15	20.5	0		
10	16QAM	25	0	19.27	19.36	19.24				
10	16QAM	25	12	19.16	19.17	19.07				
10	16QAM	25	25	19.24	19.26	19.12	20.5	0		
10	16QAM	50	0	19.31	19.19	19.15				
10	64QAM	1	0	19.19	19.23	19.16				
10	64QAM	1	25	19.34	19.24	19.22	20.5	0		
10	64QAM	1	49	19.29	19.28	19.29				
10	64QAM	25	0	19.26	19.26	19.21				
10	64QAM	25	12	19.18	19.23	19.22	20.5	0		
10	64QAM	25	25	19.26	19.21	19.19				
10	64QAM	50	0	19.10	19.36	19.13				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	19.17	19.38	19.27	20.5	0		
5	QPSK	1	12	19.16	19.28	19.12				
5	QPSK	1	24	19.02	19.30	19.18				
5	QPSK	12	0	19.35	19.38	19.35	20.5	0		
5	QPSK	12	7	19.30	19.29	19.09				
5	QPSK	12	13	19.14	19.32	19.22				
5	QPSK	25	0	19.15	19.31	19.17	20.5	0		
5	16QAM	1	0	19.14	19.31	19.31				
5	16QAM	1	12	19.28	19.36	19.25				
5	16QAM	1	24	19.20	19.23	19.19	20.5	0		
5	16QAM	12	0	19.28	19.45	19.30				
5	16QAM	12	7	19.12	19.16	19.15				
5	16QAM	12	13	19.18	19.19	19.17	20.5	0		
5	16QAM	25	0	19.19	19.22	19.16				
5	64QAM	1	0	19.29	19.30	19.14				
5	64QAM	1	12	19.22	19.21	19.16	20.5	0		
5	64QAM	1	24	19.20	19.31	19.24				
5	64QAM	12	0	19.36	19.35	19.22				
5	64QAM	12	7	19.17	19.27	19.14	20.5	0		
5	64QAM	12	13	19.27	19.18	19.18				
5	64QAM	25	0	19.07	19.36	19.07				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	19.29	19.42	19.29	20.5	0		
3	QPSK	1	8	19.22	19.30	19.13				
3	QPSK	1	14	19.06	19.26	19.22				
3	QPSK	8	0	19.26	19.41	19.32	20.5	0		
3	QPSK	8	4	19.23	19.32	19.12				
3	QPSK	8	7	19.14	19.30	19.26				
3	QPSK	15	0	19.28	19.25	19.13	20.5	0		
3	16QAM	1	0	19.05	19.29	19.21				
3	16QAM	1	8	19.18	19.30	19.14				
3	16QAM	1	14	19.30	19.34	19.16	20.5	0		
3	16QAM	8	0	19.35	19.36	19.28				
3	16QAM	8	4	19.17	19.20	19.17				
3	16QAM	8	7	19.14	19.28	19.24	20.5	0		
3	16QAM	15	0	19.31	19.17	19.12				
3	64QAM	1	0	19.18	19.20	19.22				
3	64QAM	1	8	19.20	19.20	19.22	20.5	0		
3	64QAM	1	14	19.29	19.18	19.27				
3	64QAM	8	0	19.23	19.30	19.26				
3	64QAM	8	4	19.17	19.28	19.11	20.5	0		
3	64QAM	8	7	19.28	19.15	19.17				
3	64QAM	15	0	19.05	19.43	19.15				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	19.20	19.34	19.39	20.5	0		
1.4	QPSK	1	3	19.16	19.38	19.39				
1.4	QPSK	1	5	19.15	19.21	19.29				
1.4	QPSK	3	0	19.37	19.29	19.29	20.5	0		
1.4	QPSK	3	1	19.17	19.32	19.18				
1.4	QPSK	3	3	19.02	19.28	19.22				
1.4	QPSK	6	0	19.16	19.30	19.26	20.5	0		
1.4	16QAM	1	0	19.03	19.26	19.28				
1.4	16QAM	1	3	19.16	19.28	19.16				
1.4	16QAM	1	5	19.23	19.29	19.13	20.5	0		
1.4	16QAM	3	0	19.29	19.34	19.20				
1.4	16QAM	3	1	19.18	19.20	19.09				
1.4	16QAM	3	3	19.18	19.24	19.14	20.5	0		
1.4	16QAM	6	0	19.27	19.10	19.14				
1.4	64QAM	1	0	19.19	19.24	19.19				
1.4	64QAM	1	3	19.20	19.27	19.24	20.5	0		
1.4	64QAM	1	5	19.19	19.29	19.23				
1.4	64QAM	3	0	19.24	19.39	19.19				
1.4	64QAM	3	1	19.19	19.21	19.17	20.5	0		
1.4	64QAM	3	3	19.29	19.29	19.20				
1.4	64QAM	6	0	19.04	19.41	19.05				

Band 4_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	20.22	20.35	20.20	21.5	0				
20	QPSK	1	49	20.07	20.21	20.12						
20	QPSK	1	99	20.05	20.15	20.19						
20	QPSK	50	0	20.12	20.29	20.15						
20	QPSK	50	24	20.11	20.23	20.06	21.5	0				
20	QPSK	50	50	19.95	20.15	20.05						
20	QPSK	100	0	20.05	20.20	20.09						
20	16QAM	1	0	20.14	20.13	20.14						
20	16QAM	1	49	20.12	20.18	20.04	21.5	0				
20	16QAM	1	99	19.99	20.22	20.11						
20	16QAM	50	0	19.94	20.26	20.13						
20	16QAM	50	24	20.17	20.18	20.13						
20	16QAM	50	50	19.98	20.10	20.00	21.5	0				
20	16QAM	100	0	20.06	20.17	20.04						
20	64QAM	1	0	20.06	20.05	19.98						
20	64QAM	1	49	20.04	20.16	20.06	21.5	0				
20	64QAM	1	99	19.94	20.24	20.09						
20	64QAM	50	0	20.20	20.18	20.07						
20	64QAM	50	24	20.25	20.14	20.22						
20	64QAM	50	50	20.17	20.12	20.13	21.5	0				
20	64QAM	100	0	20.14	20.07	20.14						
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	20.14	20.31	20.11	21.5	0				
15	QPSK	1	37	19.93	20.20	20.02						
15	QPSK	1	74	20.02	20.03	20.12						
15	QPSK	36	0	20.09	20.21	20.04						
15	QPSK	36	39	19.82	20.08	20.01	21.5	0				
15	QPSK	75	0	20.02	20.08	20.02						
15	16QAM	1	0	20.08	20.09	20.04						
15	16QAM	1	37	20.00	20.08	19.99						
15	16QAM	1	74	19.93	20.21	20.09	21.5	0				
15	16QAM	36	0	19.86	20.11	20.01						
15	16QAM	36	20	20.03	20.15	19.99						
15	16QAM	36	39	19.95	20.09	19.99						
15	16QAM	75	0	19.99	20.12	19.95	21.5	0				
15	64QAM	1	0	20.01	19.95	19.84						
15	64QAM	1	37	20.02	20.03	19.92						
15	64QAM	1	74	19.87	20.10	20.01						
15	64QAM	36	0	20.12	20.11	19.93	21.5	0				
15	64QAM	36	20	20.20	20.03	20.20						
15	64QAM	36	39	20.05	20.11	20.00						
15	64QAM	75	0	20.04	20.04	19.99						
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1715	1732.5	1750						
10	QPSK	1	0	20.33	20.26	20.18	21.5	0				
10	QPSK	1	25	19.92	20.11	19.97						
10	QPSK	1	49	20.01	20.10	20.11						
10	QPSK	25	0	20.01	20.23	20.04						
10	QPSK	25	12	20.05	20.02	20.03	21.5	0				
10	QPSK	25	25	19.81	20.05	19.98						
10	QPSK	50	0	19.96	20.09	19.95						
10	16QAM	1	0	20.06	20.02	19.99						
10	16QAM	1	25	20.04	20.12	20.02	21.5	0				
10	16QAM	1	49	19.94	20.19	20.07						
10	16QAM	25	0	19.84	20.22	20.06						
10	16QAM	25	12	20.14	20.10	20.06						
10	16QAM	25	25	19.94	19.99	19.96	21.5	0				
10	16QAM	50	0	20.00	20.09	20.01						
10	64QAM	1	0	20.01	19.90	19.96						
10	64QAM	1	25	19.96	20.15	20.04						
10	64QAM	1	49	19.93	20.17	20.03	21.5	0				
10	64QAM	25	12	20.18	20.00	20.14						
10	64QAM	25	25	20.06	20.09	20.07						
10	64QAM	50	0	20.09	19.97	20.07						
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1712.5	1732.5	1752.5						
5	QPSK	1	0	20.15	20.27	20.10	21.5	0				
5	QPSK	1	12	19.93	20.19	20.02						
5	QPSK	1	24	19.94	20.03	20.04						
5	QPSK	12	0	20.10	20.24	20.00						
5	QPSK	12	7	20.05	20.09	20.01	21.5	0				
5	QPSK	12	13	19.89	20.04	19.92						
5	QPSK	25	0	19.94	20.06	19.96						
5	16QAM	1	0	20.03	20.02	20.10						
5	16QAM	1	12	19.98	20.06	20.02	21.5	0				
5	16QAM	1	24	19.98	20.12	20.04						
5	16QAM	12	0	19.87	20.24	20.08						
5	16QAM	12	7	20.14	20.08	20.01						
5	16QAM	12	13	19.96	20.06	19.91	21.5	0				
5	16QAM	25	0	19.91	20.05	20.00						
5	64QAM	1	0	19.99	19.96	19.87						
5	64QAM	1	12	19.98	20.06	20.01						
5	64QAM	1	24	19.81	20.16	20.03	21.5	0				
5	64QAM	12	0	20.17	20.12	19.99						
5	64QAM	12	7	20.15	20.12	20.08						
5	64QAM	12	13	20.08	20.02	20.01						
5	64QAM	25	0	20.09	19.92	20.08	Tune-up limit (dBm)	MPR (dB)				
Channel				19965	20175	20385						
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)				
3	QPSK	1	0	20.15	20.27	20.18				21.5	0	
3	QPSK	1	8	19.96	20.13	20.06						
3	QPSK	1	14	20.04	20.02	20.11						
3	QPSK	8	0	19.97	20.26	20.10						
3	QPSK	8	4	20.01	20.13	19.93	21.5	0				
3	QPSK	8	7	19.91	20.06	19.98						
3	QPSK	15	0	19.98	20.14	19.95						
3	16QAM	1	0	20.07	20.02	20.09						
3	16QAM	1	8	20.05	20.13	19.94	21.5	0				
3	16QAM	1	14	19.89	20.11	20.07						
3	16QAM	8	0	19.91	20.23	20.04						
3	16QAM	8	4	20.03	20.04	20.02						
3	16QAM	8	7	19.90	20.07	19.89	21.5	0				
3	16QAM	15	0	19.94	20.16	20.02						
3	64QAM	1	0	20.02	19.92	19.93						
3	64QAM	1	8	20.03	20.15	20.04						
3	64QAM	1	14	19.81	20.09	19.96	21.5	0				
3	64QAM	8	0	20.05	20.15	20.01						
3	64QAM	8	4	20.17	20.05	20.19						
3	64QAM	8	7	20.04	20.03	19.98						
3	64QAM	15	0	20.00	20.01	20.01	Tune-up limit (dBm)	MPR (dB)				
Channel				19957	20175	20393						
Frequency (MHz)				17107	1732.5	1754.5	Tune-up limit (dBm)	MPR (dB)				
1.4	QPSK	1	0	20.10	20.24	20.14				21.5	0	
1.4	QPSK	1	3	20.05	20.08	19.97						
1.4	QPSK	1	5	19.95	20.10	20.11						
1.4	QPSK	3	0	19.98	20.16	20.07						
1.4	QPSK	3	1	19.98	20.17	20.02	21.5	0				
1.4	QPSK	3	3	19.82	20.11	20.02						
1.4	QPSK	6	0	19.99	20.17	20.02						
1.4	16QAM	1	0	20.13	20.08	19.99						
1.4	16QAM	1	3	20.05	20.13	20.02	21.5	0				
1.4	16QAM	1	5	19.85	20.17	20.00						
1.4	16QAM	3	0	19.92	20.12	20.01						
1.4	16QAM	3	1	20.07	20.14	20.06						
1.4	16QAM	3	3	19.94	19.96	19.87	21.5	0				
1.4	16QAM	6	0	19.91	20.15	19.98						
1.4	64QAM	1	0	19.98	19.97	19.83						
1.4	64QAM	1	3	20.01	20.02	19.94						
1.4	64QAM	1	5	19.92	20.17	20.00	21.5	0				
1.4	64QAM	3	0	20.16	20.12	20.03						
1.4	64QAM	3	1	20.12	20.10	20.13						
1.4	64QAM	3	3	20.06	20.05	20.08						
1.4	64QAM	6	0	20.13	19.99	19.99	21.5	0				

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.75	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74	24	1		
10	QPSK	25	12	22.63	22.67	22.72				
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73	24	1		
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02				
10	16QAM	1	49	22.71	23.00	22.97	23	2		
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95	23	2		
10	64QAM	1	49	21.84	21.98	21.81				
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69	22	3		
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61	24	1		
5	QPSK	12	7	22.51	22.56	22.71				
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66	24	1		
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.51	22.62	22.93				
5	16QAM	1	24	22.67	22.90	22.86	23	2		
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94	23	2		
5	64QAM	1	24	21.72	21.93	21.76				
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58	22	3		
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71	24	1		
3	QPSK	8	4	22.62	22.59	22.69				
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64	24	1		
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97				
3	16QAM	1	14	22.68	22.88	22.91	23	2		
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88	23	2		
3	64QAM	1	14	21.70	21.85	21.70				
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57	22	3		
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85	24	1		
1.4	QPSK	3	1	23.63	23.68	23.45				
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65	24	1		
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00				
1.4	16QAM	1	5	22.86	22.86	22.84	24	1		
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92	23	2		
1.4	64QAM	1	5	21.80	21.92	21.80				
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70	22	3		
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77				

Band 5_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.53	21.58	21.55	23	0		
10	QPSK	1	25	21.48	21.46	21.42				
10	QPSK	1	49	21.41	21.50	21.41				
10	QPSK	25	0	21.50	21.55	21.52	23	0		
10	QPSK	25	12	21.48	21.46	21.47				
10	QPSK	25	25	21.43	21.41	21.34				
10	QPSK	50	0	21.41	21.53	21.50	23	0		
10	16QAM	1	0	21.46	21.43	21.43				
10	16QAM	1	25	21.46	21.33	21.39				
10	16QAM	1	49	21.35	21.39	21.34	23	0		
10	16QAM	25	0	21.49	21.50	21.50				
10	16QAM	25	12	21.45	21.39	21.40				
10	16QAM	25	25	21.28	21.37	21.39	23	0		
10	16QAM	50	0	21.38	21.54	21.49				
10	64QAM	1	0	21.46	21.35	21.43				
10	64QAM	1	25	21.29	21.37	21.23	23	0		
10	64QAM	1	49	21.28	21.47	21.38				
10	64QAM	25	0	20.50	20.53	20.61				
10	64QAM	25	12	20.49	20.46	20.48	22	1		
10	64QAM	25	25	20.52	20.58	20.52				
10	64QAM	50	0	20.51	20.51	20.61				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.51	21.50	21.43	23	0		
5	QPSK	1	12	21.46	21.36	21.28				
5	QPSK	1	24	21.27	21.36	21.35				
5	QPSK	12	0	21.40	21.49	21.42	23	0		
5	QPSK	12	7	21.39	21.47	21.38				
5	QPSK	12	13	21.36	21.38	21.31				
5	QPSK	25	0	21.39	21.52	21.45	23	0		
5	16QAM	1	0	21.32	21.31	21.23				
5	16QAM	1	12	21.40	21.19	21.24				
5	16QAM	1	24	21.23	21.30	21.26	23	0		
5	16QAM	12	0	21.43	21.49	21.47				
5	16QAM	12	7	21.33	21.34	21.29				
5	16QAM	12	13	21.24	21.35	21.31	23	0		
5	16QAM	25	0	21.43	21.49	21.46				
5	64QAM	1	0	21.43	21.27	21.38				
5	64QAM	1	12	21.19	21.34	21.09	23	0		
5	64QAM	1	24	21.18	21.34	21.27				
5	64QAM	12	0	20.40	20.40	20.48				
5	64QAM	12	7	20.34	20.36	20.36	22	1		
5	64QAM	12	13	20.40	20.56	20.41				
5	64QAM	25	0	20.42	20.50	20.55				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.42	21.43	21.43	23	0		
3	QPSK	1	8	21.44	21.44	21.29				
3	QPSK	1	14	21.26	21.49	21.35				
3	QPSK	8	0	21.47	21.45	21.50	23	0		
3	QPSK	8	4	21.42	21.45	21.45				
3	QPSK	8	7	21.39	21.32	21.23				
3	QPSK	15	0	21.32	21.51	21.42	23	0		
3	16QAM	1	0	21.32	21.41	21.38				
3	16QAM	1	8	21.42	21.22	21.26				
3	16QAM	1	14	21.32	21.37	21.24	23	0		
3	16QAM	8	0	21.34	21.29	21.42				
3	16QAM	8	4	21.42	21.38	21.28				
3	16QAM	8	7	21.13	21.29	21.36	23	0		
3	16QAM	15	0	21.25	21.51	21.46				
3	16QAM	1	0	21.41	21.28	21.30				
3	64QAM	1	8	21.16	21.36	21.08	23	0		
3	64QAM	1	14	21.15	21.43	21.30				
3	64QAM	8	0	20.49	20.41	20.60				
3	64QAM	8	4	20.36	20.44	20.36	22	1		
3	64QAM	8	7	20.42	20.47	20.40				
3	64QAM	15	0	20.43	20.42	20.45				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.57	21.49	21.53	23	0		
1.4	QPSK	1	3	21.36	21.33	21.28				
1.4	QPSK	1	5	21.40	21.48	21.28				
1.4	QPSK	3	0	21.41	21.46	21.49	23	0		
1.4	QPSK	3	1	21.46	21.44	21.41				
1.4	QPSK	3	3	21.32	21.41	21.40				
1.4	QPSK	6	0	21.47	21.46	21.46	23	0		
1.4	16QAM	1	0	21.47	21.45	21.45				
1.4	16QAM	1	3	21.31	21.29	21.19				
1.4	16QAM	1	5	21.34	21.47	21.47	23	0		
1.4	16QAM	3	0	21.35	21.29	21.39				
1.4	16QAM	3	1	21.31	21.32	21.37				
1.4	16QAM	3	3	21.34	21.31	21.19	23	0		
1.4	16QAM	6	0	21.48	21.44	21.36				
1.4	64QAM	1	0	21.43	21.33	21.28				
1.4	64QAM	1	3	21.24	21.36	21.25	23	0		
1.4	64QAM	1	5	21.39	21.42	21.42				
1.4	64QAM	3	0	21.43	21.22	21.40				
1.4	64QAM	3	1	21.19	21.35	21.21	22	0		
1.4	64QAM	3	3	21.13	21.41	21.28				
1.4	64QAM	6	0	20.45	20.42	20.50				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77			
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.95			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	22.5	2	
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.73	20.72			
Channel				20855	21100	21355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2597.5	2635	2669.5	24.5	0	
15	QPSK	1	0	23.67	23.79	23.76			
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60			
15	16QAM	1	0	22.67	22.86	22.88	23.5	1	
15	16QAM	1	37	22.63	22.60	22.76			
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60	22.5	2	
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.89	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.67	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56			
15	64QAM	36	39	20.56	20.77	20.69	21.5	3	
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20860	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.65	23.79	23.72			
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64			
10	16QAM	1	0	22.75	22.80	22.88	23.5	1	
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57	22.5	2	
10	16QAM	25	25	21.62	21.67	21.58			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69			
10	64QAM	25	25	20.60	20.72	20.62	21.5	3	
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.5	2635	2667.5	24.5	0	
5	QPSK	1	0	23.60	23.85	23.65			
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65			
5	16QAM	1	0	22.73	22.81	22.89	23.5	1	
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58	22.5	2	
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.62	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.69	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67			
5	64QAM	12	13	20.62	20.75	20.57	21.5	3	
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.00	17.12	17.05	18	0	
20	QPSK	1	49	16.93	17.07	16.80			
20	QPSK	1	99	16.89	17.04	16.86			
20	QPSK	50	0	16.99	17.10	16.92			
20	QPSK	50	24	16.81	17.09	16.79	18	0	
20	QPSK	50	50	16.98	16.98	16.78			
20	QPSK	100	0	16.95	17.08	16.83			
20	16QAM	1	0	16.94	16.99	16.83			
20	16QAM	1	49	16.89	17.00	16.85	18	0	
20	16QAM	1	99	16.93	16.96	17.08			
20	16QAM	50	0	16.89	17.10	16.86			
20	16QAM	50	24	16.92	17.02	16.94			
20	16QAM	50	50	16.91	16.89	17.05	18	0	
20	16QAM	100	0	16.92	16.99	16.85			
20	64QAM	1	0	16.84	16.94	16.85			
20	64QAM	1	49	16.89	17.08	16.90			
20	64QAM	1	99	16.93	17.02	16.85	18	0	
20	64QAM	50	0	16.84	16.96	17.01			
20	64QAM	50	24	16.85	16.96	16.97			
20	64QAM	50	50	16.88	16.99	16.95			
20	64QAM	100	0	16.80	17.01	16.84			
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2597.5	2535	2562.5 <th></th> <th></th> <th></th>			
15	QPSK	1	0	16.89	17.07	17.03	18	0	
15	QPSK	1	37	16.84	17.05	16.68			
15	QPSK	1	74	16.78	16.99	16.73			
15	QPSK	36	0	16.97	16.98	16.82			
15	QPSK	36	20	16.70	17.00	16.65	18	0	
15	QPSK	36	39	16.97	16.87	16.72			
15	QPSK	75	0	16.85	17.01	16.82			
15	16QAM	1	0	16.89	16.91	16.75			
15	16QAM	1	37	16.85	16.94	16.78	18	0	
15	16QAM	1	74	16.85	16.86	17.05			
15	16QAM	36	0	16.82	17.03	16.72			
15	16QAM	36	20	16.80	16.96	16.88			
15	16QAM	36	39	16.79	16.81	17.02	18	0	
15	16QAM	75	0	16.80	16.85	16.70			
15	64QAM	1	0	16.71	16.86	16.74			
15	64QAM	1	37	16.78	17.04	16.78			
15	64QAM	1	74	16.91	16.96	16.83	18	0	
15	64QAM	36	0	16.78	16.92	16.97			
15	64QAM	36	20	16.78	16.90	16.94			
15	64QAM	36	39	16.75	16.92	16.92			
15	64QAM	75	0	16.79	16.96	16.82			
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565 <th></th> <th></th> <th></th>			
10	QPSK	1	0	16.96	17.10	17.04	18	0	
10	QPSK	1	25	16.78	17.06	16.73			
10	QPSK	1	49	16.95	16.96	16.76			
10	QPSK	25	0	16.88	17.04	16.84			
10	QPSK	25	12	16.73	17.01	16.75	18	0	
10	QPSK	25	25	16.92	16.87	16.72			
10	QPSK	50	0	16.81	16.93	16.69			
10	16QAM	1	0	16.89	16.95	16.78			
10	16QAM	1	25	16.88	16.85	16.86	18	0	
10	16QAM	1	49	16.91	16.95	17.01			
10	16QAM	25	0	16.82	16.98	16.76			
10	16QAM	25	12	16.86	16.86	16.92			
10	16QAM	25	25	16.80	16.86	16.96	18	0	
10	16QAM	50	0	16.81	16.98	16.74			
10	64QAM	1	0	16.78	16.85	16.78			
10	64QAM	1	25	16.88	16.96	16.81			
10	64QAM	1	49	16.83	16.90	16.76	18	0	
10	64QAM	25	0	16.80	16.95	16.93			
10	64QAM	25	12	16.70	16.82	16.94			
10	64QAM	25	25	16.87	16.96	16.81			
10	64QAM	50	0	16.74	16.94	16.70			
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5 <th></th> <th></th> <th></th>			
5	QPSK	1	0	16.94	17.02	16.99	18	0	
5	QPSK	1	12	16.89	17.02	16.66			
5	QPSK	1	24	16.80	16.89	16.71			
5	QPSK	12	0	16.98	16.97	16.88			
5	QPSK	12	7	16.66	17.02	16.70	18	0	
5	QPSK	12	13	16.95	16.91	16.66			
5	QPSK	25	0	16.94	17.01	16.71			
5	16QAM	1	0	16.82	16.85	16.73			
5	16QAM	1	12	16.82	16.85	16.82	18	0	
5	16QAM	1	24	16.78	16.91	16.93			
5	16QAM	12	0	16.86	16.96	16.75			
5	16QAM	12	7	16.91	16.95	16.80			
5	16QAM	12	13	16.81	16.86	16.92	18	0	
5	16QAM	25	0	16.85	16.88	16.74			
5	64QAM	1	0	16.83	16.82	16.72			
5	64QAM	1	12	16.83	16.94	16.77			
5	64QAM	1	24	16.87	16.85	16.71	18	0	
5	64QAM	12	0	16.70	16.83	16.86			
5	64QAM	12	7	16.80	16.82	16.94			
5	64QAM	12	13	16.84	16.90	16.93			
5	64QAM	25	0	16.70	16.93	16.74			

Band 12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.65	23.72	23.69			
10	QPSK	1	25	23.60	23.64	23.54	23.5	1	
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.55	22.60	22.53			
10	QPSK	25	12	22.51	22.52	22.51	23.5	1	
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47			
10	16QAM	1	0	22.95	22.63	22.99	23.5	1	
10	16QAM	1	25	22.94	22.69	22.70			
10	16QAM	1	49	22.99	22.76	22.64			
10	16QAM	25	0	21.52	21.64	21.48	22.5	2	
10	16QAM	25	12	21.43	21.53	21.43			
10	16QAM	25	25	21.60	21.54	21.44			
10	16QAM	50	0	21.56	21.56	21.44	22.5	2	
10	64QAM	1	0	21.75	21.73	21.87			
10	64QAM	1	25	21.85	21.90	21.77			
10	64QAM	1	49	21.71	21.69	21.84	21.5	3	
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48			
10	64QAM	25	25	20.51	20.49	20.49	21.5	3	
10	64QAM	50	0	20.53	20.52	20.46			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.5	0	
5	QPSK	1	0	23.55	23.70	23.57			
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28	23.5	1	
5	QPSK	12	0	22.53	22.51	22.50			
5	QPSK	12	7	22.49	22.49	22.37			
5	QPSK	12	13	22.48	22.51	22.31	23.5	1	
5	QPSK	25	0	22.44	22.52	22.42			
5	16QAM	1	0	22.87	22.57	22.90			
5	16QAM	1	12	22.87	22.61	22.67	23.5	1	
5	16QAM	1	24	22.95	22.68	22.52			
5	16QAM	12	0	21.46	21.59	21.41			
5	16QAM	12	7	21.40	21.50	21.30	22.5	2	
5	16QAM	12	13	21.54	21.43	21.29			
5	16QAM	25	0	21.44	21.42	21.37			
5	64QAM	1	0	21.71	21.71	21.81	22.5	2	
5	64QAM	1	12	21.81	21.88	21.74			
5	64QAM	1	24	21.66	21.85	21.71			
5	64QAM	12	0	20.39	20.36	20.40	21.5	3	
5	64QAM	12	7	20.55	20.46	20.35			
5	64QAM	12	13	20.48	20.39	20.48			
5	64QAM	25	0	20.44	20.39	20.42	21.5	3	
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5	24.5 <th colspan="2" rowspan="3">0</th>	0	
3	QPSK	1	0	23.58	23.63	23.68			
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	14	23.56	23.35	23.37	23.5	1	
3	QPSK	8	0	22.43	22.59	22.48			
3	QPSK	8	4	22.46	22.42	22.45			
3	QPSK	8	7	22.49	22.55	22.43	23.5	1	
3	QPSK	15	0	22.48	22.49	22.40			
3	16QAM	1	0	22.91	22.57	22.96			
3	16QAM	1	8	22.91	22.65	22.68	23.5	1	
3	16QAM	1	14	22.93	22.66	22.55			
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.30	22.5	2	
3	16QAM	8	7	21.55	21.43	21.41			
3	16QAM	15	0	21.49	21.50	21.39			
3	64QAM	1	0	21.64	21.67	21.81	22.5	2	
3	64QAM	1	8	21.81	21.83	21.74			
3	64QAM	1	14	21.68	21.66	21.83			
3	64QAM	8	0	20.52	20.40	20.43	21.5	3	
3	64QAM	8	4	20.48	20.48	20.34			
3	64QAM	8	7	20.43	20.41	20.43			
3	64QAM	15	0	20.40	20.49	20.35	21.5	3	
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3	24.5 <th colspan="2" rowspan="3">0</th>	0	
1.4	QPSK	1	0	23.56	23.60	23.67			
1.4	QPSK	1	3	23.57	23.60	23.40			
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1	
1.4	QPSK	3	0	23.65	23.66	23.67			
1.4	QPSK	3	1	23.53	23.62	23.48			
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1	
1.4	QPSK	6	0	22.39	22.47	22.43			
1.4	16QAM	1	0	22.93	22.51	22.88			
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1	
1.4	16QAM	1	5	22.87	22.64	22.50			
1.4	16QAM	3	0	22.89	22.48	22.93			
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2	
1.4	16QAM	3	3	22.85	22.62	22.56			
1.4	16QAM	6	0	21.52	21.51	21.37			
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2	
1.4	64QAM	1	3	21.74	21.82	21.67			
1.4	64QAM	1	5	21.59	21.56	21.82			
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	3	
1.4	64QAM	3	1	21.79	21.81	21.72			
1.4	64QAM	3	3	21.63	21.54	21.73			
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3	

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	23.5	1	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.83	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	64QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	21.5	3	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24.5	0	
10	QPSK	1	0	23.75	23.83	23.77			
10	QPSK	1	25	23.64	23.84	23.68	23.5	1	
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.65			
10	QPSK	25	12	22.68	22.78	22.65	23.5	1	
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68			
10	16QAM	1	0	22.95	23.03	23.10	23.5	1	
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.99	23.01	23.05			
10	16QAM	25	0	21.52	21.67	21.75	22.5	2	
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71			
10	16QAM	50	0	21.74	21.73	21.88	22.5	2	
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97			
10	64QAM	1	49	22.00	22.05	22.03	21.5	3	
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84			
10	64QAM	25	25	20.71	20.79	20.85	21.5	3	
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24.5	0	
5	QPSK	1	0	23.79	23.90	23.77			
5	QPSK	1	12	23.70	23.86	23.81	23.5	1	
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72			
5	QPSK	12	7	22.61	22.88	22.66	23.5	1	
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78			
5	16QAM	1	0	22.96	22.96	23.06	23.5	1	
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06			
5	16QAM	12	0	21.60	21.64	21.89	22.5	2	
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76			
5	16QAM	25	0	21.66	21.76	21.89	22.5	2	
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94			
5	64QAM	1	24	22.05	22.09	22.04	21.5	3	
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78			
5	64QAM	12	13	20.74	20.78	20.80	21.5	3	
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5	24.5	0	
3	QPSK	1	0	23.72	23.84	23.79			
3	QPSK	1	8	23.61	23.82	23.72	23.5	1	
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71			
3	QPSK	8	4	22.63	22.76	22.75	23.5	1	
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76			
3	16QAM	1	0	22.85	23.03	23.09	23.5	1	
3	16QAM	1	8	22.67	22.98	22.85			
3	16QAM	1	14	22.88	22.88	22.97			
3	16QAM	8	0	21.50	21.63	21.79	22.5	2	
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76			
3	16QAM	15	0	21.63	21.73	21.78	22.5	2	
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95			
3	64QAM	1	14	22.00	22.08	22.00	21.5	3	
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78			
3	64QAM	8	7	20.71	20.74	20.80	21.5	3	
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3	24.5	0	
1.4	QPSK	1	0	23.73	23.80	23.77			
1.4	QPSK	1	3	23.59	23.79	23.73	23.5	1	
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.77			
1.4	QPSK	3	1	23.63	23.78	23.72	23.5	1	
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76			
1.4	16QAM	1	0	22.87	23.02	23.03	23.5	1	
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97			
1.4	16QAM	3	0	22.95	22.94	23.10	22.5	2	
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97			
1.4	16QAM	6	0	21.71	21.75	21.81	22.5	2	
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00			
1.4	64QAM	1	5	22.01	22.08	22.01	22.5	2	
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93			
1.4	64QAM	3	3	22.10	22.09	21.97	21.5	3	
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.58	21.69	21.63	22.5	0	
15	QPSK	1	37	21.43	21.49	21.60			
15	QPSK	1	74	21.47	21.55	21.56			
15	QPSK	36	0	21.55	21.65	21.51	22.5	0	
15	QPSK	36	20	21.45	21.46	21.44			
15	QPSK	36	39	21.50	21.32	21.46			
15	QPSK	75	0	21.53	21.73	21.48	22.5	0	
15	16QAM	1	0	21.40	21.55	21.53			
15	16QAM	1	37	21.37	21.53	21.61			
15	16QAM	1	74	21.49	21.49	21.39	22.5	0	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	0	
15	16QAM	75	0	21.57	21.48	21.59			
15	16QAM	1	0	21.63	21.77	21.42			
15	64QAM	1	37	21.62	21.60	21.57	22.5	0	
15	64QAM	1	74	21.59	21.56	21.60			
15	64QAM	36	0	20.60	20.52	20.54			
15	64QAM	36	20	20.60	20.49	20.57	21.5	1	
15	64QAM	36	39	20.51	20.55	20.58			
15	64QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.55	21.62	21.54	22.5	0	
10	QPSK	1	25	21.38	21.46	21.45			
10	QPSK	1	49	21.38	21.42	21.47			
10	QPSK	25	0	21.42	21.42	21.42	22.5	0	
10	QPSK	25	12	21.31	21.38	21.43			
10	QPSK	25	25	21.35	21.31	21.41			
10	QPSK	50	0	21.42	21.52	21.44	22.5	0	
10	16QAM	1	0	21.41	21.51	21.43			
10	16QAM	1	25	21.34	21.43	21.56			
10	16QAM	1	49	21.44	21.34	21.35	22.5	0	
10	16QAM	25	0	21.46	21.52	21.38			
10	16QAM	25	12	21.55	21.36	21.44			
10	16QAM	25	25	21.52	21.45	21.44	22.5	0	
10	16QAM	50	0	21.42	21.47	21.49			
10	64QAM	1	0	21.51	21.33	21.41			
10	64QAM	1	25	21.52	21.46	21.42	22.5	0	
10	64QAM	1	49	21.56	21.51	21.45			
10	64QAM	25	0	20.45	20.47	20.46			
10	64QAM	25	12	20.49	20.35	20.43	21.5	1	
10	64QAM	25	25	20.46	20.46	20.46			
10	64QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.50	21.67	21.61	22.5	0	
5	QPSK	1	12	21.34	21.40	21.53			
5	QPSK	1	24	21.32	21.53	21.44			
5	QPSK	12	0	21.53	21.52	21.38	22.5	0	
5	QPSK	12	7	21.30	21.45	21.36			
5	QPSK	12	13	21.39	21.22	21.32			
5	QPSK	25	0	21.43	21.49	21.44	22.5	0	
5	16QAM	1	0	21.42	21.42	21.52			
5	16QAM	1	12	21.30	21.45	21.48			
5	16QAM	1	24	21.36	21.38	21.27	22.5	0	
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	0	
5	16QAM	25	0	21.43	21.45	21.45			
5	64QAM	1	0	21.51	21.24	21.43			
5	64QAM	1	12	21.45	21.52	21.43	22.5	0	
5	64QAM	1	24	21.45	21.45	21.49			
5	64QAM	12	0	20.59	20.38	20.39			
5	64QAM	12	7	20.59	20.34	20.43	21.5	1	
5	64QAM	12	13	20.39	20.46	20.48			
5	64QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.45	21.61	21.48	22.5	0	
3	QPSK	1	8	21.29	21.39	21.47			
3	QPSK	1	14	21.45	21.45	21.42			
3	QPSK	8	0	21.52	21.53	21.41	22.5	0	
3	QPSK	8	7	21.42	21.31	21.45			
3	QPSK	8	7	21.49	21.20	21.36			
3	QPSK	15	0	21.46	21.50	21.34	22.5	0	
3	16QAM	1	0	21.34	21.49	21.51			
3	16QAM	1	8	21.36	21.46	21.53			
3	16QAM	1	14	21.46	21.48	21.36	22.5	0	
3	16QAM	8	0	21.53	21.40	21.42			
3	16QAM	8	4	21.55	21.45	21.36			
3	16QAM	8	7	21.46	21.31	21.42	22.5	0	
3	16QAM	15	0	21.44	21.37	21.45			
3	64QAM	1	0	21.48	21.31	21.51			
3	64QAM	1	8	21.56	21.56	21.44	22.5	0	
3	64QAM	1	14	21.46	21.53	21.49			
3	64QAM	8	0	20.48	20.49	20.47			
3	64QAM	8	4	20.46	20.47	20.49	21.5	1	
3	64QAM	8	7	20.42	20.53	20.55			
3	64QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033			
Frequency (MHz)				814.5	831.5	848.5			
1.4	QPSK	1	0	21.54	21.57	21.49	22.5	0	
1.4	QPSK	1	3	21.36	21.37	21.50			
1.4	QPSK	1	5	21.34	21.51	21.41			
1.4	QPSK	3	0	21.45	21.59	21.50	22.5	0	
1.4	QPSK	3	1	21.37	21.41	21.48			
1.4	QPSK	3	3	21.38	21.41	21.54			
1.4	QPSK	6	0	21.51	21.63	21.49	22.5	0	
1.4	16QAM	1	0	21.39	21.42	21.33			
1.4	16QAM	1	3	21.36	21.18	21.33			
1.4	16QAM	1	5	21.41	21.41	21.41	22.5	0	
1.4	16QAM	3	0	21.46	21.49	21.46			
1.4	16QAM	3	1	21.42	21.48	21.57			
1.4	16QAM	3	3	21.44	21.45	21.24	22.5	0	
1.4	16QAM	6	0	21.55	21.36	21.46			
1.4	64QAM	1	0	21.53	21.29	21.42			
1.4	64QAM	1	3	21.57	21.59	21.55	22.5	0	
1.4	64QAM	1	5	21.58	21.55	21.48			
1.4	64QAM	3	0	21.57	21.57	21.59			
1.4	64QAM	3	1	21.53	21.54	21.52	21.5	1	
1.4	64QAM	3	3	21.51	21.41	21.55			
1.4	64QAM	6	0	20.48	20.43	20.49			

Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.48	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.38	23.38	23.42	24.5	0	
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.29	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.36	23.39	23.31	24.5	0	
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	23.5	1	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.29	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.33	23.33	23.43	24.5	0	
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.26	22.48			
5	16QAM	1	24	22.27	22.40	22.55	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.42	23.37	23.39	24.5	0	
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.17			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.41	23.38	23.39	24.5	0	
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56			
1.4	16QAM	3	0	22.31	22.35	22.55	23.5	1	
1.4	16QAM	3	1	22.45	22.40	22.44			
1.4	16QAM	3	1	22.55	22.26	22.58			
1.4	16QAM	3	3	22.35	22.39	22.42	22.5	2	
1.4	16QAM	6	0	21.24	21.29	21.23			
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2	
1.4	64QAM	1	5	21.38	21.41	21.44			
1.4	64QAM	3	0	21.47	21.57	21.52			
1.4	64QAM	3	1	21.54	21.54	21.49	22.5	2	
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	17.87	17.94	17.84	19	0					
20	QPSK	1	49	17.78	17.76	17.63							
20	QPSK	1	99	17.81	17.75	17.65							
20	QPSK	36	0	17.65	17.83	17.80							
20	QPSK	50	24	17.83	17.86	17.77	19	0					
20	QPSK	50	50	17.79	17.92	17.70							
20	QPSK	100	0	17.68	17.83	17.73							
20	16QAM	1	0	17.65	17.84	17.80							
20	16QAM	1	49	17.80	17.86	17.68	19	0					
20	16QAM	1	99	17.68	17.87	17.72							
20	16QAM	50	0	17.68	17.74	17.68							
20	16QAM	50	24	17.75	17.78	17.61							
20	16QAM	50	50	17.79	17.82	17.66	19	0					
20	16QAM	100	0	17.73	17.87	17.76							
20	64QAM	1	0	17.69	17.68	17.72							
20	64QAM	1	49	17.80	17.72	17.66							
20	64QAM	1	99	17.79	17.71	17.57	19	0					
20	64QAM	50	0	17.63	17.83	17.70							
20	64QAM	50	24	17.80	17.71	17.68							
20	64QAM	50	50	17.77	17.84	17.72							
20	64QAM	100	0	17.62	17.83	17.69	Tune-up limit (dBm) MPR (dB)						
Channel				37850	38000	38175							
Frequency (MHz)				2572.5	2595	2612.5							
15	QPSK	1	0	17.84	17.81	17.76	19	0					
15	QPSK	1	37	17.66	17.71	17.51							
15	QPSK	1	74	17.77	17.66	17.50							
15	QPSK	36	0	17.83	17.82	17.67							
15	QPSK	36	39	17.69	17.76	17.76	19	0					
15	QPSK	36	39	17.77	17.90	17.69							
15	QPSK	75	0	17.67	17.71	17.67							
15	16QAM	1	0	17.51	17.83	17.76							
15	16QAM	1	37	17.71	17.79	17.55	19	0					
15	16QAM	1	74	17.53	17.75	17.57							
15	16QAM	36	0	17.65	17.83	17.53							
15	16QAM	36	20	17.67	17.68	17.48							
15	16QAM	36	39	17.76	17.70	17.58	19	0					
15	16QAM	75	0	17.61	17.82	17.75							
15	64QAM	1	0	17.67	17.58	17.66							
15	64QAM	1	37	17.73	17.62	17.63							
15	64QAM	1	74	17.78	17.69	17.54	19	0					
15	64QAM	36	0	17.58	17.86	17.63							
15	64QAM	36	20	17.72	17.74	17.59							
15	64QAM	36	39	17.67	17.75	17.66							
15	64QAM	75	0	17.49	17.81	17.55	Tune-up limit (dBm) MPR (dB)						
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	17.66	17.86	17.70	19	0					
10	QPSK	1	25	17.64	17.75	17.52							
10	QPSK	1	49	17.77	17.68	17.61							
10	QPSK	25	0	17.84	17.86	17.64							
10	QPSK	25	12	17.69	17.84	17.72	19	0					
10	QPSK	25	25	17.72	17.89	17.63							
10	QPSK	50	0	17.61	17.73	17.69							
10	16QAM	1	0	17.62	17.69	17.74							
10	16QAM	1	25	17.71	17.74	17.63	19	0					
10	16QAM	1	49	17.66	17.72	17.65							
10	16QAM	25	0	17.65	17.72	17.65							
10	16QAM	25	12	17.70	17.63	17.50							
10	16QAM	25	25	17.70	17.70	17.52	19	0					
10	16QAM	50	0	17.69	17.73	17.73							
10	64QAM	1	0	17.66	17.61	17.57							
10	64QAM	1	25	17.72	17.67	17.51							
10	64QAM	1	49	17.68	17.60	17.52	19	0					
10	64QAM	25	0	17.66	17.68	17.60							
10	64QAM	25	12	17.78	17.69	17.63							
10	64QAM	25	25	17.72	17.83	17.61							
10	64QAM	50	0	17.55	17.82	17.61	Tune-up limit (dBm) MPR (dB)						
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	17.76	17.88	17.75	19	0					
5	QPSK	1	12	17.74	17.84	17.50							
5	QPSK	1	24	17.70	17.71	17.56							
5	QPSK	12	0	17.77	17.84	17.69							
5	QPSK	12	7	17.72	17.77	17.65	19	0					
5	QPSK	12	13	17.78	17.78	17.59							
5	QPSK	25	0	17.54	17.76	17.65							
5	16QAM	1	0	17.63	17.69	17.70							
5	16QAM	1	12	17.65	17.78	17.65	19	0					
5	16QAM	1	24	17.65	17.73	17.68							
5	16QAM	12	0	17.62	17.63	17.54							
5	16QAM	12	7	17.68	17.67	17.46							
5	16QAM	12	13	17.78	17.72	17.58	19	0					
5	16QAM	25	0	17.60	17.75	17.69							
5	64QAM	1	0	17.63	17.65	17.71							
5	64QAM	1	12	17.53	17.71	17.51							
5	64QAM	1	24	17.74	17.61	17.44	19	0					
5	64QAM	12	0	17.62	17.69	17.60							
5	64QAM	12	7	17.72	17.75	17.58							
5	64QAM	12	13	17.63	17.73	17.70							
5	64QAM	25	0	17.53	17.82	17.55	Tune-up limit (dBm) MPR (dB)						

Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
20	QPSK	1	0	23.09	23.75	23.07	24.5	0		
20	QPSK	1	49	23.52	23.74	23.56				
20	QPSK	1	99	23.58	23.70	23.57				
20	QPSK	36	0	22.44	22.63	22.40				
20	QPSK	50	24	22.51	22.60	22.52	23.5	1		
20	QPSK	50	50	22.50	22.61	22.53				
20	QPSK	100	0	22.53	22.61	22.53				
20	16QAM	1	0	22.58	22.64	22.56				
20	16QAM	1	49	22.87	22.70	22.64	23.5	1		
20	16QAM	1	99	22.80	22.84	22.53				
20	16QAM	50	0	21.57	21.58	21.57				
20	16QAM	50	24	21.57	21.62	21.57				
20	16QAM	50	50	21.60	21.61	21.51	22.5	2		
20	16QAM	100	0	21.56	21.59	21.55				
20	64QAM	1	0	21.35	21.32	21.30				
20	64QAM	1	49	21.30	21.42	21.41				
20	64QAM	1	99	21.43	21.36	21.17	22.5	2		
20	64QAM	50	0	20.56	20.60	20.60				
20	64QAM	50	24	20.59	20.61	20.57				
20	64QAM	50	50	20.63	20.65	20.55	21.5	3		
20	64QAM	100	0	20.60	20.61	20.57				
20	64QAM	100	0	20.77	20.80	20.75				
Channel				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.02	23.63	23.02	24.5	0		
15	QPSK	1	37	23.47	23.62	23.55				
15	QPSK	1	74	23.46	23.55	23.54				
15	QPSK	36	0	22.42	22.50	22.52				
15	QPSK	36	0	22.44	22.54	22.55	23.5	1		
15	QPSK	36	36	22.46	22.52	22.50				
15	QPSK	75	0	22.42	22.56	22.43				
15	16QAM	1	0	22.53	22.59	22.42				
15	16QAM	1	37	22.53	22.59	22.42	23.5	1		
15	16QAM	1	74	22.65	22.60	22.38				
15	16QAM	36	0	21.54	21.51	21.56				
15	16QAM	36	20	21.54	21.54	21.52				
15	16QAM	36	36	21.46	21.56	21.44	22.5	2		
15	16QAM	75	0	21.51	21.50	21.47				
15	64QAM	1	0	21.33	21.22	21.27				
15	64QAM	1	37	21.17	21.29	21.27				
15	64QAM	1	74	21.34	21.21	21.22	22.5	2		
15	64QAM	36	0	20.45	20.51	20.56				
15	64QAM	36	20	20.57	20.60	20.44				
15	64QAM	36	39	20.58	20.64	20.41	21.5	3		
15	64QAM	75	0	20.55	20.56	20.56				
15	64QAM	75	0	20.75	20.76	20.75				
Channel				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
10	QPSK	1	0	23.45	23.70	23.55	24.5	0		
10	QPSK	1	25	23.45	23.63	23.47				
10	QPSK	1	49	23.46	23.65	23.49				
10	QPSK	12	0	22.41	22.54	22.53				
10	QPSK	25	12	22.39	22.48	22.45	23.5	1		
10	QPSK	25	25	22.45	22.47	22.49				
10	QPSK	50	0	22.45	22.49	22.44				
10	16QAM	1	0	22.46	22.57	22.51				
10	16QAM	1	25	22.62	22.66	22.59	23.5	1		
10	16QAM	1	49	22.65	22.52	22.46				
10	16QAM	25	0	21.50	21.49	21.56				
10	16QAM	25	12	21.48	21.50	21.55				
10	16QAM	50	12	21.55	21.46	21.49	22.5	2		
10	16QAM	50	0	21.42	21.56	21.40				
10	64QAM	1	0	21.27	21.26	21.28				
10	64QAM	1	25	21.17	21.39	21.32				
10	64QAM	1	49	21.42	21.34	21.02	22.5	2		
10	64QAM	25	0	20.44	20.56	20.47				
10	64QAM	25	12	20.57	20.54	20.48				
10	64QAM	25	25	20.54	20.58	20.42	21.5	3		
10	64QAM	50	0	20.54	20.58	20.44				
10	64QAM	50	0	20.77	20.80	20.75				
Channel				2777.5	3800.0	3822.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.52	23.68	23.59	24.5	0		
5	QPSK	1	12	23.51	23.63	23.46				
5	QPSK	1	24	23.43	23.67	23.45				
5	QPSK	12	0	22.51	22.57	22.46				
5	QPSK	12	7	22.47	22.57	22.49	23.5	1		
5	QPSK	12	13	22.43	22.53	22.41				
5	QPSK	25	0	22.39	22.47	22.48				
5	16QAM	1	0	22.46	22.57	22.51				
5	16QAM	1	12	22.64	22.58	22.53	23.5	1		
5	16QAM	1	24	22.65	22.53	22.43				
5	16QAM	12	0	21.52	21.50	21.50				
5	16QAM	12	13	21.52	21.56	21.55				
5	16QAM	12	13	21.56	21.58	21.38	22.5	2		
5	16QAM	25	0	21.44	21.48	21.49				
5	64QAM	1	0	21.20	21.31	21.27				
5	64QAM	1	12	21.19	21.34	21.38				
5	64QAM	1	24	21.37	21.35	21.08	22.5	2		
5	64QAM	12	0	20.50	20.58	20.50				
5	64QAM	12	7	20.61	20.55	20.52				
5	64QAM	12	13	20.51	20.56	20.47	21.5	3		
5	64QAM	25	0	20.45	20.46	20.41				
5	64QAM	25	13	20.45	20.45	20.41				

Band 41_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	17.62	17.65	17.97	17.74	17.88	19	0			
20	QPSK	1	49	17.53	17.42	17.92	17.69	17.83					
20	QPSK	1	99	17.48	17.63	17.95	17.68	17.85					
20	QPSK	50	24	17.55	17.59	17.83	17.64	17.67					
20	QPSK	50	50	17.44	17.57	17.82	17.62	17.80					
20	QPSK	100	0	17.62	17.47	17.90	17.55	17.85	19	0			
20	16QAM	1	0	17.51	17.62	17.87	17.71	17.71					
20	16QAM	1	99	17.51	17.62	17.87	17.71	17.83					
20	16QAM	1	49	17.60	17.57	17.76	17.54	17.69					
20	16QAM	50	0	17.54	17.58	17.77	17.62	17.84					
20	16QAM	50	24	17.53	17.43	17.92	17.70	17.84	19	0			
20	16QAM	50	50	17.49	17.53	17.88	17.74	17.72					
20	16QAM	100	0	17.67	17.47	17.88	17.65	17.75					
20	64QAM	1	0	17.61	17.59	17.91	17.55	17.79					
20	64QAM	1	49	17.55	17.52	17.88	17.66	17.74					
20	64QAM	1	99	17.62	17.57	17.88	17.64	17.85	19	0			
20	64QAM	50	0	17.54	17.52	17.93	17.71	17.84					
20	64QAM	50	24	17.55	17.63	17.79	17.75	17.75					
20	64QAM	50	50	17.58	17.59	17.74	17.60	17.87					
20	64QAM	100	0	17.52	17.54	17.67	17.63	17.77					
Channel				39675	40160.5	40620	41058	41515					
Frequency (MHz)				2503.5	2546.5	2593	2637.5	2682.5					
15	QPSK	1	0	17.52	17.50	17.94	17.64	17.74	19	0			
15	QPSK	1	37	17.41	17.34	17.83	17.62	17.76					
15	QPSK	1	74	17.44	17.56	17.82	17.65	17.71					
15	QPSK	36	0	17.45	17.47	17.77	17.66	17.72					
15	QPSK	36	20	17.54	17.44	17.71	17.63	17.63					
15	QPSK	36	39	17.41	17.51	17.68	17.57	17.67	19	0			
15	QPSK	75	0	17.51	17.38	17.88	17.48	17.72					
15	16QAM	1	0	17.48	17.50	17.84	17.65	17.67					
15	16QAM	1	37	17.36	17.59	17.84	17.62	17.74					
15	16QAM	1	74	17.58	17.47	17.89	17.48	17.55					
15	16QAM	36	0	17.44	17.50	17.69	17.47	17.83	19	0			
15	16QAM	36	20	17.41	17.49	17.79	17.64	17.72					
15	16QAM	36	39	17.40	17.38	17.81	17.67	17.64					
15	16QAM	75	0	17.47	17.33	17.87	17.44	17.70					
15	64QAM	1	0	17.59	17.47	17.80	17.43	17.64					
15	64QAM	1	37	17.41	17.48	17.77	17.52	17.68	19	0			
15	64QAM	1	74	17.58	17.48	17.84	17.52	17.76					
15	64QAM	36	0	17.47	17.45	17.88	17.62	17.77					
15	64QAM	36	20	17.43	17.50	17.66	17.69	17.61					
15	64QAM	36	39	17.50	17.45	17.60	17.53	17.62					
15	64QAM	75	0	17.39	17.44	17.78	17.62	17.74	19	0			
Channel				39700	40160.5	40620	41080.5	41540					
Frequency (MHz)				2501	2547.05	2593	2639.05	2685					
10	QPSK	1	0	17.59	17.52	17.93	17.65	17.75	19	0			
10	QPSK	1	25	17.50	17.39	17.89	17.65	17.70					
10	QPSK	1	49	17.33	17.49	17.85	17.61	17.79					
10	QPSK	25	0	17.57	17.48	17.77	17.64	17.82					
10	QPSK	25	12	17.46	17.45	17.74	17.61	17.59					
10	QPSK	25	25	17.43	17.44	17.76	17.49	17.79	19	0			
10	QPSK	50	0	17.48	17.35	17.89	17.47	17.82					
10	16QAM	1	0	17.43	17.59	17.76	17.62	17.64					
10	16QAM	1	25	17.50	17.54	17.89	17.57	17.74					
10	16QAM	1	49	17.35	17.45	17.75	17.50	17.68					
10	16QAM	25	0	17.47	17.45	17.70	17.48	17.69	19	0			
10	16QAM	25	12	17.50	17.32	17.77	17.66	17.70					
10	16QAM	25	25	17.39	17.44	17.76	17.61	17.64					
10	16QAM	50	0	17.55	17.46	17.79	17.62	17.69					
10	64QAM	1	0	17.56	17.55	17.76	17.48	17.67					
10	64QAM	1	25	17.42	17.39	17.87	17.55	17.70	19	0			
10	64QAM	1	49	17.54	17.45	17.82	17.62	17.72					
10	64QAM	25	0	17.49	17.46	17.82	17.61	17.74					
10	64QAM	25	12	17.43	17.50	17.75	17.62	17.65					
10	64QAM	25	25	17.53	17.45	17.73	17.48	17.74					
10	64QAM	50	0	17.41	17.52	17.80	17.61	17.75	19	0			
Channel				39675	40148	40620	41093	41555					
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5					
5	QPSK	1	0	17.58	17.60	17.89	17.59	17.73	24.5	0			
5	QPSK	1	12	17.30	17.31	17.78	17.66	17.70					
5	QPSK	1	24	17.35	17.54	17.88	17.65	17.82					
5	QPSK	12	0	17.55	17.56	17.76	17.55	17.80					
5	QPSK	12	7	17.46	17.58	17.78	17.62	17.54					
5	QPSK	12	13	17.39	17.43	17.71	17.50	17.70	19	0			
5	QPSK	25	0	17.53	17.44	17.80	17.52	17.82					
5	16QAM	1	0	17.44	17.51	17.82	17.57	17.58					
5	16QAM	1	12	17.44	17.54	17.77	17.59	17.78					
5	16QAM	1	24	17.45	17.50	17.68	17.45	17.54					
5	16QAM	12	0	17.49	17.49	17.69	17.56	17.73	19	0			
5	16QAM	12	7	17.52	17.29	17.83	17.62	17.76					
5	16QAM	12	13	17.42	17.41	17.87	17.62	17.62					
5	16QAM	25	0	17.53	17.42	17.73	17.63	17.69					
5	64QAM	1	0	17.51	17.49	17.79	17.43	17.68					
5	64QAM	1	12	17.44	17.46	17.82	17.54	17.61	19	0			
5	64QAM	1	24	17.58	17.45	17.75	17.52	17.72					
5	64QAM	12	0	17.45	17.45	17.83	17.67	17.75					
5	64QAM	12	7	17.50	17.50	17.86	17.70	17.74	19	0			
5	64QAM	12	13	17.42	17.41	17.89	17.64	17.74					
5	64QAM	25	0	17.47	17.45	17.82	17.53	17.78					

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Time-up (min.)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Time-up (min.)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Time-up (min.)	MPR (dB)	
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
20	QPSK	1	0	19.42	19.40	19.34	19.42			20	QPSK	1	0	16.95	16.73	16.52	16.50			20	QPSK	1	0	20.43	20.30	20.33	20.38	20.36		
20	QPSK	1	49	19.41	19.31	19.27	19.27	20	0	20	QPSK	1	49	16.70	16.64	16.65	16.65	17.5	0	20	QPSK	1	49	20.32	20.33	20.31	20.38	20.36	21	0
20	QPSK	1	99	19.39	19.31	19.28	19.27			20	QPSK	1	99	16.77	16.76	16.75	16.63			20	QPSK	1	99	20.37	20.36	20.33	20.38	20.36		
20	QPSK	50	0	19.42	19.35	19.31	19.34			20	QPSK	50	0	16.88	16.75	16.65	16.76			20	QPSK	50	0	20.45	20.35	20.30	20.31	20.41		
20	QPSK	50	24	19.41	19.30	19.27	19.29			20	QPSK	50	24	16.75	16.65	16.72	16.69	17.5	0	20	QPSK	50	24	20.39	20.28	20.26	20.31	20.36	21	0
20	QPSK	50	50	19.40	19.33	19.28	19.28			20	QPSK	50	50	16.77	16.70	16.82	16.75			20	QPSK	50	50	20.22	20.25	20.21	20.20	20.20	21	0
20	QPSK	100	0	19.40	19.36	19.23	19.38			20	QPSK	100	0	16.80	16.63	16.74	16.68			20	QPSK	100	0	20.41	20.33	20.16	20.28			
20	16QAM	1	0	19.42	19.35	19.19	19.34			20	16QAM	1	0	16.83	16.63	16.74	16.57			20	16QAM	1	0	20.38	20.28	20.25	20.16			
20	16QAM	1	49	19.37	19.26	19.23	19.29			20	16QAM	1	49	16.78	16.76	16.74	16.26			20	16QAM	1	49	20.39	20.26	20.21	20.26	20.21	21	0
20	16QAM	1	99	19.33	19.31	19.24	19.30			20	16QAM	1	99	16.76	16.73	16.78	16.56			20	16QAM	1	99	20.39	20.25	20.19	20.21	20.16		
20	16QAM	50	0	19.33	19.31	19.30	19.40			20	16QAM	50	0	16.87	16.70	16.78	16.86			20	16QAM	50	0	20.39	20.26	20.27	20.25			
20	16QAM	50	24	19.42	19.35	19.30	19.32			20	16QAM	50	24	16.75	16.62	16.80	16.65	17.5	0	20	16QAM	50	24	20.20	20.27	20.09	20.31	20.27	21	0
20	16QAM	50	50	19.34	19.39	19.26	19.41			20	16QAM	50	50	16.88	16.62	16.75	16.54			20	16QAM	50	50	20.42	20.30	20.33	20.29	20.36		
20	16QAM	100	0	19.41	19.30	19.23	19.27			20	16QAM	100	0	16.84	16.67	16.73	16.58			20	16QAM	100	0	20.21	20.30	20.04	20.28			
20	64QAM	1	0	19.34	19.31	19.26	19.39			20	64QAM	1	0	16.84	16.74	16.69	16.65			20	64QAM	1	0	20.47	20.31	20.34	20.26			
20	64QAM	1	49	19.33	19.39	19.31	19.28			20	64QAM	1	49	16.86	16.70	16.84	16.74	17.5	0	20	64QAM	1	49	20.39	20.19	20.10	20.28	20.26		
20	64QAM	1	99	19.34	19.38	19.27	19.38			20	64QAM	1	99	16.80	16.65	16.81	16.66			20	64QAM	1	99	20.23	20.22	19.98	20.24	19.97	21	0
20	64QAM	50	0	19.31	19.30	19.30	19.36			20	64QAM	50	0	16.72	16.75	16.87	16.67			20	64QAM	50	0	20.40	20.29	20.16	20.28	20.26		
20	64QAM	50	24	19.35	19.36	19.25	19.40			20	64QAM	50	24	16.85	16.68	16.69	16.60	17.5	0	20	64QAM	50	24	19.28	19.44	19.35	19.51	19.51	20	1
20	64QAM	50	50	19.40	19.27	19.30	19.40			20	64QAM	50	50	16.72	16.73	16.83	16.68			20	64QAM	50	50	19.17	19.43	19.31	19.63			
20	64QAM	100	0	19.44	19.35	19.31	19.30			20	64QAM	100	0	16.79	16.71	16.74	16.67			20	64QAM	100	0	19.22	19.39	19.37	19.49			
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
15	QPSK	1	0	19.41	19.39	19.20	19.39			15	QPSK	1	0	16.86	16.74	16.77	16.76			15	QPSK	1	0	20.47	20.33	20.30	20.37			
15	QPSK	1	37	19.27	19.21	19.23	19.19	20	0	15	QPSK	1	37	16.68	16.52	16.78	16.51	17.5	0	15	QPSK	1	37	20.19	20.26	20.01	20.36	20.11	21	0
15	QPSK	1	74	19.30	19.29	19.22	19.23			15	QPSK	1	74	16.65	16.72	16.70	16.60			15	QPSK	1	74	20.22	20.32	20.00	20.29			
15	QPSK	36	0	19.33	19.30	19.20	19.33			15	QPSK	36	0	16.67	16.74	16.70	16.75			15	QPSK	36	0	20.24	20.23	20.23	20.28	20.26		
15	QPSK	36	20	19.27	19.29	19.19	19.25			15	QPSK	36	20	16.67	16.50	16.65	16.55			15	QPSK	36	20	20.15	20.31	20.05	20.32			
15	QPSK	36	39	19.39	19.22	19.17	19.25			15	QPSK	36	39	16.74	16.63	16.69	16.73	17.5	0	15	QPSK	36	39	20.14	20.14	20.14	20.17	20.11	21	0
15	QPSK	75	0	19.27	19.24	19.22	19.37			15	QPSK	75	0	16.74	16.56	16.68	16.64			15	QPSK	75	0	20.28	20.20	20.08	20.20			
15	16QAM	1	0	19.35	19.28	19.10	19.29			15	16QAM	1	0	16.70	16.53	16.73	16.48			15	16QAM	1	0	20.25	20.20	20.20	20.63			
15	16QAM	1	37	19.29	19.26	19.20	19.24			15	16QAM	1	37	16.80	16.71	16.59	16.24	17.5	0	15	16QAM	1	37	20.29	20.10	20.16	20.18	20.16	21	0
15	16QAM	1	74	19.24	19.30	19.13	19.16			15	16QAM	1	74	16.70	16.60	16.72	16.43			15	16QAM	1	74	20.31	20.25	20.18	20.12			
15	16QAM	36	0	19.23	19.20	19.28	19.33			15	16QAM	36	0	16.76	16.60	16.66	16.55			15	16QAM	36	0	20.28	20.13	20.13	20.22			
15	16QAM	36	20	19.27	19.25	19.28	19.23			15	16QAM	36	20	16.71	16.55	16.78	16.54	17.5	0	15	16QAM	36	20	20.06	20.20	20.08	20.18	20.11	21	0
15	16QAM	36	39	19.34	19.34	19.15	19.28			15	16QAM	36	39	16.82	16.47	16.65	16.38			15	16QAM	36	39	20.41	20.28	20.29	20.29	20.26		
15	16QAM	75	0	19.29	19.33	19.20	19.23			15	16QAM	75	0	16.75	16.60	16.73	16.51			15	16QAM	75	0	20.11	20.19	20.00	20.20			
15	64QAM	1	0	19.21	19.22	19.21	19.29			15	64QAM	1	0	16.70	16.66	16.61	16.57			15	64QAM	1	0	20.48	20.25	20.19	20.16			
15	64QAM	1	37	19.19	19.33	19.30	19.19			15	64QAM	1	37	16.72	16.58	16.79	16.70	17.5	0	15	64QAM	1	37	20.20	20.10	20.08	20.23	20.11	21	0
15	64QAM	74	0	19.28	19.23	19.23	19.37			15	64QAM	74	0	16.78	16.56	16.67	16.66			15	64QAM	74	0	20.29	20.16	20.18	20.20	20.17		
15	64QAM	36	0	19.24	19.21	19.19	19.25			15	64QAM	36	0	16.76	16.65	16.80	16.55			15	64QAM	36	0	19.11	19.19	19.30	19.41			
15	64QAM	36	20	19.25	19.33	19.14	19.34			15	64QAM	36	20	16.75	16.57	16.56	16.56	17.5	0	15	64QAM	36	20	19.17	19.33	19.15	19.34	19.30	20	1
15	64QAM	36	39	19.25	19.22	19.27	19.36			15	64QAM	36	39	16.82	16.66	16.74	16.63			15	64QAM	36	39	18.82	19.18	19.07	19.35			
15	64QAM	75	0	19.31	19.28	19.17	19.23			15	64QAM	75	0	16.65	16.66	16.73	16.65			15	64QAM	75	0	19.16	19.27	19.31	19.39	19.31		
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
10	QPSK	1	0	19.42	19.31	19.33	19.36			10	QPSK	1	0	16.79	16.73	16.78	16.69			10	QPSK	1	0	20.37	20.30	20.29	20.28			
10	QPSK	1	25	19.40	19.19	19.17	19.25	20	0	10	QPSK	1	25	16.62	16.56	16.78	16.59	17.5	0	10	QPSK	1	25	20.31	20.28	20.00	20.28	20.11	21	0
10	QPSK	1	49	19.38	19.16	19.17	19.12			10	QPSK	1	49	16.64	16.70	16.67	16.57			10	QPSK	1	49	20.29	20.25	20.12	20.25			
10	QPSK	25	0	19.37	19.29	19.22	19.21			10	QPSK	25	0	16.72	16.74	16.80	16.71			10	QPSK	25	0	20.35	20.24	20.20	20.27	20.25		
10	QPSK	25	12	19.33	19.29	19.20	19.23			10	QPSK	25	12	16.70	16.61	16.61	16.47	17.5	0	10	QPSK	25	12	20.12	20.12	20.12	20.32			
10	QPSK	25	25	19.29	19.25	19.13	19.13			10	QPSK	25	25	16.74	16.69	16.77	16.66			10	QPSK	25	25	20.07	20.20	20.08	20.08	20.06	21	0
10	QPSK																													

Part 96_Band 48_Ant 7												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				55340	55830	56150	56640	17.5	0			
Frequency (MHz)				3560	3609	3641	3690					
20	QPSK	1	0	16.77	16.50	16.53	16.61	17.5	0			
20	QPSK	1	49	16.73	16.47	16.54	16.59					
20	QPSK	1	99	16.66	16.56	16.51	16.42					
20	QPSK	50	0	16.74	16.54	16.66	16.56					
20	QPSK	50	24	16.61	16.42	16.65	16.54	17.5	0			
20	QPSK	50	50	16.54	16.44	16.61	16.52					
20	QPSK	100	0	16.66	16.46	16.54	16.51					
20	16QAM	1	49	16.63	16.37	16.49	16.49	17.5	0			
20	16QAM	1	99	16.67	16.47	16.54	16.55					
20	16QAM	50	0	16.67	16.33	16.50	16.44					
20	16QAM	50	24	16.73	16.40	16.55	16.54					
20	16QAM	50	50	16.53	16.50	16.44	16.57	17.5	0			
20	16QAM	100	0	16.55	16.53	16.63	16.51					
20	64QAM	1	0	16.70	16.47	16.64	16.56					
20	64QAM	1	49	16.67	16.54	16.54	16.42	17.5	0			
20	64QAM	1	99	16.67	16.57	16.52	16.42					
20	64QAM	50	0	16.64	16.59	16.54	16.60					
20	64QAM	50	24	16.67	16.46	16.55	16.57					
20	64QAM	50	50	16.62	16.44	16.54	16.52	17.5	0			
20	64QAM	100	0	16.64	16.38	16.60	16.51					
Channel				55515	55990	56100	56603	17.5	0			
Frequency (MHz)				3567.5	3609	3642	3692.5					
15	QPSK	1	0	16.73	16.56	16.65	16.54	17.5	0			
15	QPSK	1	37	16.60	16.40	16.40	16.53					
15	QPSK	1	74	16.64	16.52	16.37	16.41					
15	QPSK	36	0	16.64	16.44	16.59	16.54					
15	QPSK	36	36	16.50	16.35	16.57	16.43	17.5	0			
15	QPSK	36	39	16.42	16.38	16.60	16.41					
15	QPSK	75	0	16.54	16.34	16.43	16.36					
15	16QAM	1	0	16.58	16.34	16.43	16.35	17.5	0			
15	16QAM	1	37	16.66	16.39	16.37	16.44					
15	16QAM	1	74	16.56	16.34	16.51	16.44					
15	16QAM	36	0	16.54	16.27	16.40	16.36					
15	16QAM	36	20	16.68	16.39	16.48	16.45	17.5	0			
15	16QAM	36	39	16.50	16.49	16.32	16.55					
15	16QAM	75	0	16.43	16.45	16.48	16.46					
15	64QAM	1	0	16.62	16.42	16.59	16.49					
15	64QAM	1	37	16.53	16.41	16.43	16.31	17.5	0			
15	64QAM	1	74	16.60	16.56	16.46	16.33					
15	64QAM	36	0	16.59	16.51	16.45	16.52					
15	64QAM	36	20	16.46	16.34	16.45	16.44					
15	64QAM	36	39	16.53	16.41	16.44	16.37	17.5	0			
15	64QAM	75	0	16.63	16.34	16.58	16.36					
Channel				55520	55915	56105	56600	17.5	0			
Frequency (MHz)				3563	3607.5	3642.5	3695					
10	QPSK	1	0	16.66	16.50	16.61	16.59	17.5	0			
10	QPSK	1	25	16.71	16.33	16.51	16.52					
10	QPSK	1	49	16.67	16.53	16.37	16.38					
10	QPSK	25	0	16.59	16.49	16.53	16.48					
10	QPSK	25	12	16.59	16.36	16.53	16.47	17.5	0			
10	QPSK	25	25	16.49	16.43	16.53	16.40					
10	QPSK	50	0	16.52	16.38	16.45	16.40					
10	16QAM	1	0	16.53	16.34	16.47	16.41					
10	16QAM	1	25	16.60	16.26	16.37	16.56	17.5	0			
10	16QAM	1	49	16.54	16.34	16.44	16.40					
10	16QAM	25	0	16.56	16.31	16.36	16.39					
10	16QAM	25	12	16.65	16.31	16.46	16.48					
10	16QAM	25	25	16.45	16.46	16.41	16.45	17.5	0			
10	16QAM	50	0	16.43	16.38	16.60	16.48					
10	64QAM	1	0	16.57	16.36	16.54	16.44					
10	64QAM	1	25	16.50	16.45	16.53	16.36					
10	64QAM	1	49	16.54	16.42	16.42	16.30	17.5	0			
10	64QAM	25	0	16.52	16.49	16.45	16.45					
10	64QAM	25	12	16.53	16.35	16.48	16.46					
10	64QAM	25	25	16.50	16.43	16.39	16.38					
10	64QAM	50	0	16.56	16.34	16.50	16.36	17.5	0			
Channel				55265	55810	56170	56715					
Frequency (MHz)				3552.5	3607	3643	3697.5	17.5	0			
5	QPSK	1	0	16.71	16.54	16.57	16.55				17.5	
5	QPSK	1	12	16.72	16.43	16.46	16.55					
5	QPSK	1	24	16.56	16.47	16.50	16.40					
5	QPSK	12	0	16.67	16.41	16.54	16.44					
5	QPSK	12	7	16.55	16.30	16.51	16.42	17.5	0			
5	QPSK	12	13	16.41	16.35	16.54	16.48					
5	QPSK	25	0	16.51	16.40	16.41	16.36					
5	16QAM	1	0	16.58	16.30	16.36	16.34					
5	16QAM	1	12	16.63	16.29	16.36	16.56	17.5	0			
5	16QAM	1	24	16.62	16.39	16.44	16.49					
5	16QAM	12	0	16.63	16.30	16.48	16.40					
5	16QAM	12	7	16.63	16.29	16.48	16.47					
5	16QAM	12	13	16.47	16.44	16.37	16.45	17.5	0			
5	16QAM	25	0	16.49	16.49	16.60	16.40					
5	64QAM	1	0	16.69	16.43	16.55	16.49					
5	64QAM	1	12	16.46	16.42	16.47	16.41					
5	64QAM	1	24	16.61	16.51	16.46	16.40	17.5	0			
5	64QAM	12	0	16.58	16.56	16.45	16.57					
5	64QAM	12	7	16.50	16.44	16.54	16.48					
5	64QAM	12	13	16.52	16.36	16.41	16.41					
5	64QAM	25	0	16.54	16.37	16.58	16.37	17.5	0			

Reduced Power Mode for EC113

GSM850_Ant 0	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	TX Channel	128	189	251	128	189	251	Tuneup Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.35	32.41	32.49	33.50	32.35	32.41	32.49
GPRS 1 Tx slot		32.31	32.38	32.46	33.51	32.31	32.38	32.46
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57

GSM1900_Ant 1		Burst Average Power (dBm)			Tuneup	Frame-Average Power (dBm)			Tuneup
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.26	29.58	29.51	30.50	20.26	20.58	20.51	21.50
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.24
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	20.00
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	20.00
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4	Burst Average Power (dBm)				Tuneup Limit (dBm)	Frame-Average Power (dBm)				Tuneup Limit (dBm)
	TX Channel									
		512	661	810		512	661	810		
Frequency (MHz)	1850.2	1860	1869.8		1850.2	1860	1869.8			
GSM 1 Tx slot	29.43	29.69	29.82	30.50	20.43	20.69	20.82	21.50		
GPRS 1 Tx slot	29.40	29.67	29.74	30.50	20.40	20.67	20.74	21.50		
GPRS 2 Tx slots	27.49	27.87	27.93	28.50	21.49	21.87	21.93	22.50		
GPRS 3 Tx slots	26.26	26.57	26.72	27.50	22.00	22.31	22.46	23.24		
GPRS 4 Tx slots	24.94	25.06	25.37	26.50	21.94	22.06	22.37	23.50		
EDGE 1 Tx slot	25.88	25.84	25.88	27.00	16.88	16.84	16.88	18.00		
EDGE 2 Tx slots	24.58	24.52	24.66	26.00	18.58	18.52	18.66	20.00		
EDGE 3 Tx slots	22.35	22.78	22.28	23.50	18.09	18.52	18.02	19.00		
EDGE 4 Tx slots	20.72	20.71	20.89	22.00	17.72	17.71	17.89	19.00		

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA II_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.95	22.00	21.98	23.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	22.05	22.15	22.12	23.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	21.09	21.21	21.23	22.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	21.06	21.12	21.26	22.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	20.63	20.62	20.82	21.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	20.58	20.61	20.74	21.50	22.53	22.62	22.57	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.97	21.12	21.18	22.00	22.96	23.07	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.01	21.06	21.22	22.00	22.87	23.04	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.62	20.57	20.72	21.50	22.55	22.55	22.62	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.53	20.55	20.59	21.50	22.51	22.48	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	19.13	19.23	19.18	20.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	19.13	19.23	19.22	20.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	20.15	20.20	20.21	21.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	18.66	18.75	18.73	20.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	20.10	20.20	20.20	22.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.03	19.12	19.19	20.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	24.00	23.94	25.00	23.78	23.81	23.74	25.00
3GPP Rel 99	RMC 12.2Kbps	24.90	24.95	24.92	25.00	23.83	23.85	23.78	25.00
3GPP Rel 6	HSDPA Subtest-1	23.22	23.26	23.26	24.00	22.96	23.07	23.09	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.27	23.25	24.00	22.93	23.05	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.79	23.50	22.44	22.59	22.60	23.50
3GPP Rel 6	HSDPA Subtest-4	22.73	22.74	22.71	23.50	22.45	22.55	22.53	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.16	23.17	23.23	24.00	22.89	22.93	23.02	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.17	23.22	23.20	24.00	22.89	23.02	22.96	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.76	22.74	22.77	23.50	22.36	22.51	22.58	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.58	22.73	22.58	23.50	22.30	22.46	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.30	21.26	22.00	20.93	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-2	21.29	21.34	21.29	22.00	20.98	21.09	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	22.26	22.31	22.33	23.00	22.00	22.09	22.12	23.00
3GPP Rel 6	HSUPA Subtest-4	20.82	20.78	20.75	22.00	20.40	20.62	20.65	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.32	22.30	24.00	22.00	22.10	22.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.21	21.25	21.23	22.50	21.11	21.19	21.08	22.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dBm)				Tuneup Limit (dBm)	Frame-Average Power (dBm)				Tuneup Limit (dBm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		32.05	32.26	32.11	33.00	32.05	32.26	32.11	24.00	
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	23.01	23.21	23.05	24.00	
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00	
GPRS 3 Tx slots		27.96	28.04	27.92	29.00	23.60	23.78	23.66	24.74	
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00	
EDGE 1 Tx slot		26.82	26.77	26.77	27.50	17.82	17.77	17.77	18.50	
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.50	
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.50	
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50	

GSM1900_Ant 2	Burst Average Power (dBm)				Tuneup Limit (dBm)	Frame-Average Power (dBm)				Tuneup Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8		
GSM 1 Tx slot		29.68	29.79	29.74	30.50	20.68	20.79	20.74	21.50	
GPRS 1 Tx slot		29.66	29.77	29.73	30.50	20.66	20.77	20.73	21.50	
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50	
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24	
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50	
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00	
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	20.00	
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.00	
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00	

Band		WCDMA II_Ant_2			Tune-up Limit (dBm)	WCDMA IV_Ant_2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.20	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DCHSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DCHSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DCHSDPA Subtest-3	22.74	22.76	22.66	23.50	22.66	22.65	22.61	23.50
3GPP Rel 8	DCHSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.51	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.26	22.50	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	21.83	21.86	21.80	23	0		
20	QPSK	1	49	21.73	21.78	21.68				
20	QPSK	1	99	21.77	21.84	21.65				
20	QPSK	50	0	21.79	21.84	21.78	23	0		
20	QPSK	50	24	21.69	21.83	21.73				
20	QPSK	50	50	21.73	21.78	21.71				
20	QPSK	100	0	21.77	21.80	21.66	23	0		
20	16QAM	1	0	21.78	21.75	21.72				
20	16QAM	1	49	21.72	21.79	21.67				
20	16QAM	1	99	21.78	21.79	21.77	22.5	0.5		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	0.5		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	22.5	0.5		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	21.5	1.5		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18900	19025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18800	1902.5				
15	QPSK	1	0	21.70	21.78	21.75	23	0		
15	QPSK	1	37	21.60	21.74	21.61				
15	QPSK	1	74	21.65	21.72	21.59				
15	QPSK	36	0	21.78	21.71	21.72	23	0		
15	QPSK	36	20	21.57	21.78	21.71				
15	QPSK	36	39	21.68	21.64	21.60				
15	QPSK	75	0	21.71	21.78	21.58	23	0		
15	16QAM	1	0	21.65	21.72	21.70				
15	16QAM	1	37	21.68	21.74	21.65				
15	16QAM	1	74	21.66	21.64	21.74	22.5	0.5		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	0.5		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	0.5		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	1.5		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	18800	1905				
10	QPSK	1	0	21.75	21.74	21.78	23	0		
10	QPSK	1	25	21.69	21.75	21.60				
10	QPSK	1	49	21.62	21.81	21.52				
10	QPSK	25	0	21.64	21.78	21.76	23	0		
10	QPSK	25	12	21.62	21.71	21.60				
10	QPSK	25	25	21.71	21.68	21.56				
10	QPSK	50	0	21.64	21.68	21.59	23	0		
10	16QAM	1	0	21.69	21.65	21.61				
10	16QAM	1	25	21.71	21.68	21.53				
10	16QAM	1	49	21.65	21.65	21.70	22.5	0.5		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	0.5		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.58	21.37				
10	64QAM	1	25	21.49	21.45	21.47	22.5	0.5		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21	21.5	1.5		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	18800	1907.5				
5	QPSK	1	0	21.70	21.74	21.73	23	0		
5	QPSK	1	12	21.61	21.77	21.63				
5	QPSK	1	24	21.69	21.82	21.62				
5	QPSK	12	0	21.67	21.70	21.64	23	0		
5	QPSK	12	7	21.63	21.75	21.65				
5	QPSK	12	13	21.58	21.75	21.67				
5	QPSK	25	0	21.62	21.72	21.62	23	0		
5	16QAM	1	0	21.68	21.71	21.59				
5	16QAM	1	12	21.70	21.75	21.60				
5	16QAM	1	24	21.65	21.70	21.63	22.5	0.5		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	0.5		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	0.5		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	1.5		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	18800	1908.5				
3	QPSK	1	0	21.78	21.83	21.67	23	0		
3	QPSK	1	8	21.60	21.76	21.53				
3	QPSK	1	14	21.64	21.69	21.50				
3	QPSK	8	0	21.68	21.82	21.64	23	0		
3	QPSK	8	4	21.68	21.82	21.68				
3	QPSK	8	7	21.68	21.76	21.67				
3	QPSK	15	0	21.73	21.67	21.62	23	0		
3	16QAM	1	0	21.69	21.64	21.58				
3	16QAM	1	8	21.67	21.74	21.60				
3	16QAM	1	14	21.64	21.66	21.62	22.5	0.5		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	0.5		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	22.5	0.5		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	21.5	1.5		
3	64QAM	8	7	20.36	20.25	20.33				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	1909.3				
1.4	QPSK	1	0	21.72	21.83	21.79	23	0		
1.4	QPSK	1	3	21.63	21.66	21.61				
1.4	QPSK	1	7	21.74	21.74	21.74				
1.4	QPSK	3	0	21.70	21.75	21.75	23	0		
1.4	QPSK	3	1	21.64	21.74	21.64				
1.4	QPSK	3	3	21.63	21.78	21.61				
1.4	QPSK	6	0	21.69	21.80	21.68	23	0		
1.4	16QAM	1	0	21.57	21.80	21.69				
1.4	16QAM	1	3	21.63	21.63	21.67				
1.4	16QAM	3	5	21.69	21.71	21.61	23	0		
1.4	16QAM	3	1	21.66	21.72	21.63				
1.4	16QAM	3	1	21.71	21.65	21.65				
1.4	16QAM	3	3	21.64	21.72	21.64	22.5	0.5		
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44				
1.4	64QAM	1	5	21.47	21.52	21.47	22.5	0.5		
1.4	64QAM	3	0	21.47	21.39	21.37				
1.4	64QAM	3	1	21.56	21.48	21.44				
1.4	64QAM	3	3	21.46	21.32	21.39	21.5	1.5		
1.4	64QAM	6	0	20.35	20.31	20.30				

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.29	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.16	22.26			
20	QPSK	100	0	22.24	22.23	22.25	23.5	1	
20	16QAM	1	0	22.52	22.53	22.49			
20	16QAM	1	49	22.53	22.51	22.48			
20	16QAM	1	99	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.24	21.41			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	21.5	3	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.22	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.10			
10	QPSK	25	25	22.14	22.14	22.14			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.20			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.16	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.24			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.14	22.24	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.14			
5	QPSK	12	13	22.18	22.15	22.21			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.06	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.14	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.16	22.12			
3	QPSK	15	0	22.09	22.27	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.46			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.30	21.43	21.29			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.08	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.23			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5		
1.4	16QAM	1	0	22.48	22.38	22.36	23.5	1	
1.4	16QAM	1	3	22.40	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45			
1.4	16QAM	3	0	22.38	22.38	22.38	22.5	2	
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46			
1.4	64QAM	1	0	21.33	21.38	21.36	22.5	2	
1.4	64QAM	1	3	21.29	21.37	21.41			
1.4	64QAM	1	5	21.21	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26	21.5	3	
1.4	64QAM	3	1	21.26	21.38	21.30			
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22	21.5		

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	25	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.78	23.87	23.86	24	1	0
10	QPSK	1	25	23.66	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74			
10	QPSK	25	12	22.63	22.67	22.72			
10	QPSK	25	25	22.63	22.69	22.70	23	2	0
10	QPSK	50	0	22.67	22.75	22.73			
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97			
10	16QAM	25	0	21.66	21.63	21.74	23	2	0
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.60	21.76	21.71			
10	16QAM	50	0	21.62	21.73	21.71			
10	16QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.85	21.77	21.95	23	2	0
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69			
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74	22	3	0
Channel				20450	20525	20600			
Frequency (MHz)				825.5	836.5	846.5	25	0	0
5	QPSK	1	0	23.75	23.85	23.83			
5	QPSK	1	12	23.54	23.73	23.39	24	1	0
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.60	22.72	22.61			
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.62	22.62			
5	QPSK	25	0	22.56	22.62	22.66	24	1	0
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.51	22.62	22.93			
5	16QAM	1	24	22.67	22.90	22.86			
5	16QAM	12	0	21.65	21.54	21.72			
5	16QAM	12	7	21.56	21.64	21.65	23	2	0
5	16QAM	12	13	21.57	21.73	21.70			
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94			
5	64QAM	1	24	21.72	21.93	21.76	22	3	0
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58			
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635	25	0	0
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76	24	1	0
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71			
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.60	22.61	22.69	24	1	0
3	QPSK	15	0	22.59	22.73	22.64			
3	16QAM	1	0	22.62	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91			
3	16QAM	8	0	21.65	21.57	21.63	23	2	0
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64			
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95			
3	64QAM	1	8	21.78	21.69	21.88	22	3	0
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57			
3	64QAM	8	7	20.63	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65	25	0	0
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	24	1	0
1.4	QPSK	1	0	23.69	23.72	23.84			
1.4	QPSK	1	3	23.51	23.71	23.45	24	1	0
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85			
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.65	24	1	0
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84			
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01	23	2	0
1.4	16QAM	3	3	22.59	22.88	22.86			
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.82	21.73	21.92			
1.4	64QAM	1	5	21.80	21.92	21.80	23	2	0
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.68	21.70			
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	25	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	24	1	0
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.55			
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.55	22.56	22.47	23	2	0
10	QPSK	50	0	22.56	22.60	22.52			
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93			
10	16QAM	25	0	21.57	21.47	21.60	23	2	0
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62			
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66	23	2	0
10	64QAM	1	49	21.62	21.68	21.94			
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48			
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61	22	3	0
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.51	23.64	23.58	25	0	0
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40			
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33	24	1	0
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.84	23.03	22.66			
5	16QAM	1	12	22.58	22.71	22.90	24	1	0
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.46	21.53			
5	16QAM	12	7	21.58	21.30	21.53	23	2	0
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.58	21.60	21.58			
5	64QAM	1	0	21.63	21.85	21.75	23	2	0
5	64QAM	1	12	21.61	21.56	21.64			
5	64QAM	1	24	21.48	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48	22	3	0
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.54	23.64	23.61	25	0	0
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.41	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42			
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	8	7	22.41	22.52	22.40	24	1	0
3	QPSK	15	0	22.54	22.56	22.44			
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89	24	1	0
3	16QAM	1	14	22.77	22.83	22.83			
3	16QAM	8	0	21.53	21.37	21.46			
3	16QAM	8	4	21.57	21.39	21.53	23	2	0
3	16QAM	8	7	21.53	21.37	21.56			
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.79	23	2	0
3	64QAM	1	8	21.65	21.53	21.55			
3	64QAM	1	14	21.55	21.61	21.88			
3	64QAM	8	0	20.49	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.36			
3	64QAM	8	7	20.47	20.40	20.40	22	3	0
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	0
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54			
1.4	QPSK	3	1	23.45	23.29	23.49			
1.4	QPSK	3	3	23.46	23.54	23.45	24	1	0
1.4	QPSK	6	0	22.43	22.47	22.39			
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.69	22.80			
1.4	16QAM	1	5	22.87	22.79	22.87			
1.4	16QAM	3	0	22.80	23.02	22.79	24	1	0
1.4	16QAM	3	1	22.66	22.79	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86			
1.4	16QAM	6	0	21.50	21.37	21.58	23	2	0
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63			
1.4	64QAM	1	5	21.61	21.67	21.63	23	2	0
1.4	64QAM	3	0	21.61	21.85	21.68			
1.4	64QAM	3	1	21.63	21.59	21.57			
1.4	64QAM	3	3	21.60	21.54	21.51			
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77			
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	22.5	2	
20	16QAM	1	0	22.82	22.90	22.95			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	21.5	3	
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5		
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.76	20.72			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.67	23.79	23.76			
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60			
15	16QAM	1	0	22.67	22.86	22.88	23.5	1	
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60	22.5	2	
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.89	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56			
15	64QAM	36	39	20.56	20.77	20.69	21.5	3	
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.65	23.79	23.72			
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64			
10	16QAM	1	0	22.75	22.80	22.88	23.5	1	
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57	22.5	2	
10	16QAM	25	25	21.62	21.67	21.68			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69			
10	64QAM	25	25	20.60	20.72	20.62	21.5	3	
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.60	23.85	23.65			
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65			
5	16QAM	1	0	22.73	22.81	22.89	23.5	1	
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58	22.5	2	
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.82	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67			
5	64QAM	12	13	20.62	20.75	20.57	21.5	3	
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.53	23.67	23.55			
20	QPSK	1	49	23.49	23.65	23.50			
20	QPSK	1	99	23.41	23.53	23.51	23.5	1	
20	QPSK	50	0	22.52	22.60	22.51			
20	QPSK	50	24	22.49	22.58	22.39			
20	QPSK	50	50	22.51	22.52	22.47			
20	QPSK	100	0	22.48	22.52	22.43	23.5	1	
20	16QAM	1	0	22.62	22.90	22.70			
20	16QAM	1	49	22.69	22.66	22.70			
20	16QAM	1	99	22.76	22.69	22.80			
20	16QAM	50	0	21.51	21.47	21.46	22.5	2	
20	16QAM	50	24	21.50	21.51	21.42			
20	16QAM	50	50	21.50	21.44	21.46			
20	16QAM	100	0	21.51	21.47	21.44			
20	64QAM	1	0	21.75	21.76	21.68	22.5	2	
20	64QAM	1	49	21.79	21.61	21.71			
20	64QAM	1	99	21.70	21.52	21.65			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45	21.5	3	
20	64QAM	50	50	20.58	20.51	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.51	23.66	23.43			
15	QPSK	1	37	23.37	23.63	23.45			
15	QPSK	1	74	23.33	23.44	23.49			
15	QPSK	36	0	22.50	22.46	22.50	23.5	1	
15	QPSK	36	20	22.43	22.48	22.32			
15	QPSK	36	39	22.44	22.42	22.36			
15	QPSK	75	0	22.39	22.44	22.36			
15	16QAM	1	0	22.62	22.78	22.66	23.5	1	
15	16QAM	1	37	22.63	22.52	22.59			
15	16QAM	1	74	22.65	22.64	22.65			
15	16QAM	36	0	21.36	21.40	21.38			
15	16QAM	36	20	21.44	21.50	21.32	22.5	2	
15	16QAM	36	39	21.56	21.61	21.38			
15	16QAM	75	0	21.40	21.33	21.32			
15	64QAM	1	0	21.69	21.67	21.64			
15	64QAM	1	37	21.68	21.47	21.64	22.5	2	
15	64QAM	1	74	21.61	21.42	21.50			
15	64QAM	36	0	20.48	20.48	20.41			
15	64QAM	36	20	20.36	20.46	20.42			
15	64QAM	36	39	20.51	20.36	20.39	21.5	3	
15	64QAM	75	0	20.47	20.50	20.34			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2535	2565	24.5	0	
10	QPSK	1	0	23.38	23.55	23.48			
10	QPSK	1	25	23.45	23.40	23.38			
10	QPSK	1	49	23.40	23.50	23.40			
10	QPSK	25	0	22.46	22.58	22.48	23.5	1	
10	QPSK	25	12	22.41	22.43	22.31			
10	QPSK	25	25	22.42	22.42	22.36			
10	QPSK	50	0	22.36	22.50	22.41			
10	16QAM	1	0	22.50	22.77	22.65	23.5	1	
10	16QAM	1	25	22.64	22.51	22.65			
10	16QAM	1	49	22.75	22.60	22.75			
10	16QAM	25	12	22.41	22.43	21.41			
10	16QAM	25	12	21.44	21.39	21.38	22.5	2	
10	16QAM	25	25	21.50	21.36	21.37			
10	16QAM	50	0	21.36	21.45	21.37			
10	16QAM	1	0	21.69	21.65	21.63			
10	64QAM	1	25	21.68	21.52	21.65	22.5	2	
10	64QAM	1	49	21.68	21.49	21.62			
10	64QAM	25	0	20.48	20.41	20.33			
10	64QAM	25	12	20.39	20.42	20.34			
10	64QAM	25	12	20.46	20.43	20.36	21.5	3	
10	64QAM	50	0	20.45	20.46	20.32			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.40	23.66	23.41			
5	QPSK	1	12	23.41	23.62	23.38			
5	QPSK	1	24	23.28	23.38	23.40			
5	QPSK	12	0	22.41	22.48	22.36	23.5	1	
5	QPSK	12	7	22.47	22.48	22.36			
5	QPSK	12	13	22.48	22.43	22.32			
5	QPSK	25	0	22.44	22.44	22.34			
5	16QAM	1	0	22.62	22.62	22.65	23.5	1	
5	16QAM	1	12	22.41	22.43	22.62			
5	16QAM	1	24	22.69	22.62	22.77			
5	16QAM	12	0	21.50	21.45	21.40			
5	16QAM	12	7	21.38	21.50	21.40	22.5	2	
5	16QAM	12	13	21.49	21.35	21.41			
5	16QAM	25	0	21.38	21.41	21.41			
5	64QAM	1	0	21.62	21.67	21.61			
5	64QAM	1	12	21.75	21.46	21.56	22.5	2	
5	64QAM	1	24	21.68	21.38	21.52			
5	64QAM	12	0	20.46	20.43	20.34			
5	64QAM	12	7	20.40	20.41	20.42			
5	64QAM	12	13	20.40	20.40	20.36	21.5	3	
5	64QAM	25	0	20.49	20.41	20.27			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	704	707.5		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	24.5			
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5			
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5			
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5			
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5			
10	16QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5			
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5			
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23165	703.5	707.5		
Frequency (MHz)				703.5	707.5	713.5				
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49	24.5			
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37	23.5			
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90	23.5			
5	16QAM	1	12	22.87	22.61	22.67				
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41	22.5			
5	16QAM	12	7	21.40	21.50	21.29				
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37	22.5			
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71	21.5			
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48	21.5			
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23165	700.5	707.5		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44	24.5			
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45	23.5			
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96	23.5			
3	16QAM	1	8	22.91	22.65	22.68				
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43	22.5			
3	16QAM	8	4	21.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39	22.5			
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83	21.5			
3	64QAM	8	0	20.52	20.40	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43	21.5			
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173	699.7	707.5		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40	24.5			
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48	23.5			
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88	23.5			
1.4	16QAM	1	3	22.80	22.55	22.61				
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93	22.5			
1.4	16QAM	3	1	22.93	22.59	22.63				
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37	22.5			
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.62	22.5			
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73	21.5			
1.4	64QAM	6	0	20.52	20.45	20.44				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.35	23.40	23.38	24.5		1	
10	QPSK	1	25	23.33	23.36	23.20				
10	QPSK	1	49	23.30	23.23	23.34				
10	QPSK	25	0	22.31	22.33	22.25	23.5		1	
10	QPSK	25	12	22.25	22.31	22.25				
10	QPSK	25	25	22.29	22.21	22.25				
10	QPSK	50	0	22.23	22.25	22.21	23.5		1	
10	16QAM	1	0	22.45	22.25	22.50				
10	16QAM	1	25	22.58	22.41	22.60				
10	16QAM	1	49	22.43	22.42	22.61	22.5		1	
10	16QAM	25	0	21.19	21.21	21.19				
10	16QAM	25	12	21.18	21.32	21.23				
10	16QAM	25	25	21.22	21.27	21.18	22.5		1	
10	16QAM	50	0	21.20	21.29	21.19				
10	64QAM	1	0	21.46	21.32	21.38				
10	64QAM	1	25	21.40	21.52	21.54	22.5		2	
10	64QAM	1	49	21.52	21.34	21.56				
10	64QAM	25	0	20.30	20.16	20.25	21.5		3	
10	64QAM	25	12	20.23	20.22	20.29				
10	64QAM	25	25	20.32	20.22	20.26				
10	64QAM	50	0	20.23	20.20	20.24				
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.35	23.35	23.24	24.5		0	
5	QPSK	1	12	23.29	23.25	23.09				
5	QPSK	1	24	23.26	23.10	23.23				
5	QPSK	12	0	22.26	22.18	22.22	23.5		1	
5	QPSK	12	7	22.16	22.27	22.18				
5	QPSK	12	13	22.16	22.18	22.22				
5	QPSK	25	0	22.17	22.23	22.12	23.5		1	
5	16QAM	1	0	22.39	22.17	22.48				
5	16QAM	1	12	22.57	22.40	22.56				
5	16QAM	1	24	22.42	22.36	22.46	22.5		2	
5	16QAM	12	0	21.12	21.14	21.07				
5	16QAM	12	7	21.12	21.19	21.11				
5	16QAM	12	13	21.11	21.15	21.09	22.5		2	
5	16QAM	25	0	21.14	21.24	21.12				
5	64QAM	1	0	21.45	21.20	21.33				
5	64QAM	1	12	21.29	21.40	21.44	22.5		2	
5	64QAM	1	24	21.44	21.27	21.56				
5	64QAM	12	0	20.13	20.09	20.13				
5	64QAM	12	7	20.21	20.10	20.28	21.5		3	
5	64QAM	12	13	20.23	20.19	20.24				
5	64QAM	25	0	20.17	20.06	20.13				

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	24.5	0	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.83	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	64QAM	1	37	22.08	21.94	22.05			
15	64QAM	1	74	22.13	22.15	22.06	21.5	3	
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87			
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77			
10	QPSK	1	25	23.64	23.84	23.68	24.5	0	
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75			
10	QPSK	25	12	22.68	22.78	22.65	23.5	1	
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68			
10	16QAM	1	0	22.95	23.03	23.10	23.5	1	
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.96	23.01	23.05			
10	16QAM	25	0	21.52	21.67	21.75	22.5	2	
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71			
10	16QAM	50	0	21.74	21.73	21.88	22.5	2	
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97			
10	64QAM	1	49	22.00	22.05	22.05	21.5	3	
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84			
10	64QAM	25	25	20.71	20.79	20.85	21.5	3	
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.70	23.90	23.77			
5	QPSK	1	12	23.70	23.86	23.81	24.5	0	
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72			
5	QPSK	12	7	22.61	22.68	22.66	23.5	1	
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78			
5	16QAM	1	0	22.96	22.95	23.05	23.5	1	
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06			
5	16QAM	12	0	21.60	21.64	21.80	22.5	2	
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76			
5	16QAM	25	0	21.66	21.76	21.89	22.5	2	
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94			
5	64QAM	1	24	22.05	22.09	22.04	21.5	3	
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78			
5	64QAM	12	13	20.74	20.78	20.80	21.5	3	
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.73			
3	QPSK	1	8	23.61	23.82	23.72	24.5	0	
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71			
3	QPSK	8	4	22.63	22.76	22.75	23.5	1	
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76			
3	16QAM	1	0	22.85	23.03	23.09	23.5	1	
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.71			
3	16QAM	8	0	21.50	21.63	21.79	22.5	2	
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76			
3	16QAM	15	0	21.63	21.73	21.78	22.5	2	
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95			
3	64QAM	1	14	22.00	22.08	22.00	21.5	3	
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78			
3	64QAM	8	7	20.71	20.74	20.80	21.5	3	
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77			
1.4	QPSK	1	3	23.59	23.79	23.73	24.5	0	
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.77			
1.4	QPSK	3	1	23.63	23.78	23.72	23.5	1	
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76			
1.4	16QAM	1	0	22.87	23.02	23.03	23.5	1	
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97			
1.4	16QAM	3	0	22.95	22.94	23.10	22.5	2	
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97			
1.4	16QAM	6	0	21.71	21.76	21.81	22.5	2	
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00			
1.4	64QAM	1	5	22.01	22.08	22.01	22.5	2	
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93			
1.4	64QAM	3	3	22.10	22.09	21.97	21.5	3	
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	24.5	0	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	15	0	22.80	22.62	22.58	23.5	1	
15	16QAM	1	0	22.77	23.00	23.02			
15	16QAM	1	37	23.00	22.97	22.93			
15	16QAM	1	74	22.85	22.96	22.82	22.5	2	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	2	
15	16QAM	75	0	21.63	21.48	21.59			
15	16QAM	1	0	21.63	21.37	21.52			
15	64QAM	1	37	21.62	21.60	21.57	21.5	3	
15	64QAM	1	74	21.59	21.56	21.60			
15	64QAM	36	0	20.60	20.52	20.54			
15	64QAM	36	20	20.60	20.49	20.57	21.5	3	
15	64QAM	36	39	20.51	20.55	20.58			
15	64QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.69	23.67	23.63	24.5	0	
10	QPSK	1	25	23.40	23.54	23.55			
10	QPSK	1	49	23.33	23.44	23.65			
10	QPSK	25	0	22.56	22.54	22.46	23.5	1	
10	QPSK	25	12	22.57	22.44	22.51			
10	QPSK	25	25	22.42	22.37	22.36			
10	QPSK	50	0	22.56	22.55	22.44	23.5	1	
10	16QAM	1	0	22.71	22.88	22.82			
10	16QAM	1	25	22.92	22.82	22.78			
10	16QAM	1	49	22.77	22.92	22.81	22.5	2	
10	16QAM	25	0	21.49	21.52	21.38			
10	16QAM	25	12	21.56	21.38	21.44			
10	16QAM	25	25	21.52	21.45	21.44	21.5	3	
10	16QAM	50	0	21.42	21.47	21.49			
10	64QAM	1	0	21.51	21.33	21.41			
10	64QAM	1	25	21.52	21.46	21.42	22.5	2	
10	64QAM	1	49	21.56	21.51	21.45			
10	64QAM	25	0	20.42	20.46	20.46			
10	64QAM	25	12	20.49	20.35	20.43	21.5	3	
10	64QAM	25	25	20.42	20.50	20.46			
10	64QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.71	23.63	24.5	0	
5	QPSK	1	12	23.36	23.52	23.57			
5	QPSK	1	24	23.32	23.46	23.64			
5	QPSK	12	0	22.58	22.64	22.62	23.5	1	
5	QPSK	12	7	22.45	22.41	22.50			
5	QPSK	12	13	22.43	22.40	22.40			
5	QPSK	25	0	22.51	22.49	22.55	23.5	1	
5	16QAM	1	0	22.62	22.97	22.90			
5	16QAM	1	12	22.96	22.82	22.87			
5	16QAM	1	24	22.79	22.95	22.76	22.5	2	
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	2	
5	16QAM	25	0	21.43	21.24	21.45			
5	64QAM	1	0	21.49	21.25	21.43			
5	64QAM	1	12	21.49	21.52	21.43	21.5	3	
5	64QAM	1	24	21.45	21.44	21.49			
5	64QAM	12	0	20.59	20.38	20.39			
5	64QAM	12	7	20.59	20.34	20.43	21.5	3	
5	64QAM	12	13	20.39	20.46	20.48			
5	64QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.61	23.63	23.55	24.5	0	
3	QPSK	1	8	23.32	23.48	23.46			
3	QPSK	1	14	23.34	23.53	23.58			
3	QPSK	8	0	22.56	22.51	22.54	23.5	1	
3	QPSK	8	4	22.48	22.41	22.39			
3	QPSK	15	0	22.49	22.56	22.49			
3	16QAM	1	0	22.68	22.92	22.91	23.5	1	
3	16QAM	1	8	22.59	22.87	22.84			
3	16QAM	1	14	22.84	22.92	22.74			
3	16QAM	8	0	21.53	21.40	21.42	22.5	2	
3	16QAM	8	4	21.55	21.45	21.38			
3	16QAM	8	7	21.41	21.41	21.42			
3	16QAM	15	0	21.44	21.37	21.45	22.5	2	
3	64QAM	1	0	21.48	21.31	21.51			
3	64QAM	1	8	21.56	21.56	21.44			
3	64QAM	1	14	21.46	21.53	21.49	21.5	3	
3	64QAM	8	0	20.48	20.49	20.47			
3	64QAM	8	4	20.46	20.47	20.49			
3	64QAM	8	7	20.42	20.33	20.55	21.5	3	
3	64QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.71	23.60	23.57	24.5	0	
1.4	QPSK	1	3	23.46	23.45	23.48			
1.4	QPSK	1	5	23.39	23.57	23.54			
1.4	QPSK	3	0	23.58	23.66	23.59	23.5	1	
1.4	QPSK	3	1	23.46	23.56	23.46			
1.4	QPSK	3	3	23.43	23.50	23.53			
1.4	QPSK	6	0	22.55	22.53	22.55	23.5	1	
1.4	16QAM	1	0	22.65	22.98	22.95			
1.4	16QAM	1	3	22.96	22.94	22.80			
1.4	16QAM	1	5	22.75	22.94	22.81	23.5	1	
1.4	16QAM	3	1	22.90	22.87	22.90			
1.4	16QAM	3	3	22.84	22.89	22.74			
1.4	16QAM	6	0	21.55	21.56	21.46	22.5	2	
1.4	64QAM	1	0	21.53	21.29	21.42			
1.4	64QAM	1	3	21.57	21.59	21.55			
1.4	64QAM	3	0	21.57	21.32	21.39	22.5	2	
1.4	64QAM	3	1	21.53	21.54	21.52			
1.4	64QAM	3	3	21.51	21.41	21.55			
1.4	64QAM	6	0	20.48	20.43	20.49	21.5	3	

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.36	23.42			
15	QPSK	1	37	23.24	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.29	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.26	23.29	23.31			
10	QPSK	1	25	23.31	23.26	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.24			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	23.5	1	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.29	21.20			
10	64QAM	1	0	21.45	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.20			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.33	23.43			
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.48			
5	16QAM	1	24	22.27	22.40	22.55	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.42	23.37	23.39			
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.41	23.38	23.39			
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56	23.5	1	
1.4	16QAM	1	5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.40	22.44			
1.4	16QAM	3	1	22.55	22.26	22.58	22.5	2	
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2	
1.4	64QAM	1	5	21.38	21.41	21.52			
1.4	64QAM	3	0	21.47	21.57	21.44			
1.4	64QAM	3	1	21.64	21.58	21.49	21.5	3	
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	23.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.66	22.50			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	23.5	1	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	23.5	1	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	23.24	23.35	23.30	24.5	0					
20	QPSK	1	49	23.15	23.22	23.26							
20	QPSK	1	99	23.20	23.34	23.24							
20	QPSK	50	0	22.21	22.30	22.28							
20	QPSK	24	0	22.17	22.19	22.19	23.5	1					
20	QPSK	50	50	22.19	22.25	22.22							
20	QPSK	100	0	22.14	22.27	22.22							
20	16QAM	1	0	22.02	22.09	22.14							
20	16QAM	1	49	22.21	22.25	22.23	23.5	1					
20	16QAM	1	99	22.23	22.37	22.41							
20	16QAM	50	0	21.18	21.18	21.22							
20	16QAM	50	24	21.11	21.21	21.32							
20	16QAM	100	0	21.10	21.18	21.29	22.5	2					
20	64QAM	1	0	20.74	20.84	20.90							
20	64QAM	1	49	20.95	21.05	21.06							
20	64QAM	1	99	21.01	20.99	21.12							
20	64QAM	50	0	20.17	20.17	20.21	22.5	2					
20	64QAM	50	24	20.15	20.22	20.31							
20	64QAM	50	50	20.23	20.26	20.40							
20	64QAM	100	0	20.18	20.21	20.29							
Channel				37850	38000	38175							
Frequency (MHz)				2572.5 <th>2595<th>2612.5</th><th colspan="4"></th></th>	2595 <th>2612.5</th> <th colspan="4"></th>	2612.5							
15	QPSK	1	0	23.21	23.31	23.22	24.5	0					
15	QPSK	1	37	23.05	23.10	23.23							
15	QPSK	1	74	23.11	23.27	23.23							
15	QPSK	36	0	22.19	22.15	22.20							
15	QPSK	36	39	22.11	22.12	22.08	23.5	1					
15	QPSK	36	36	22.17	22.18	22.15							
15	QPSK	75	0	22.12	22.21	22.15							
15	16QAM	1	0	21.91	21.97	22.07							
15	16QAM	1	37	22.11	22.21	22.08	23.5	1					
15	16QAM	1	74	22.11	22.36	22.38							
15	16QAM	36	0	21.07	21.07	21.09							
15	16QAM	36	20	21.04	21.13	21.28							
15	16QAM	36	39	21.03	21.17	21.29	22.5	2					
15	16QAM	75	0	21.01	21.16	21.23							
15	64QAM	1	0	20.68	20.72	20.83							
15	64QAM	1	37	20.88	20.93	20.99							
15	64QAM	1	74	20.95	20.93	21.10	22.5	2					
15	64QAM	36	0	20.07	20.16	20.13							
15	64QAM	36	20	20.01	20.15	20.21							
15	64QAM	36	39	20.16	20.12	20.33							
15	64QAM	75	0	20.13	20.18	20.26	21.5	3					
15	64QAM	36	39	20.16	20.12	20.33							
15	64QAM	75	0	20.13	20.18	20.26							
15	64QAM	75	0	20.13	20.18	20.26							
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	23.17	23.29	23.28	24.5	0					
10	QPSK	1	25	23.08	23.10	23.16							
10	QPSK	1	49	23.07	23.25	23.11							
10	QPSK	25	0	22.09	22.20	22.21							
10	QPSK	25	12	22.14	22.08	22.19	23.5	1					
10	QPSK	25	25	22.11	22.11	22.10							
10	QPSK	50	0	22.01	22.21	22.08							
10	16QAM	1	0	21.89	22.00	22.01							
10	16QAM	1	25	22.09	22.10	22.18	23.5	1					
10	16QAM	1	49	22.16	22.26	22.28							
10	16QAM	25	0	21.07	21.16	21.08							
10	16QAM	25	12	21.06	21.20	21.31							
10	16QAM	25	25	21.02	21.23	21.34	22.5	2					
10	16QAM	50	0	21.03	21.03	21.18							
10	64QAM	1	0	20.67	20.71	20.82							
10	64QAM	1	25	20.81	20.92	20.99							
10	64QAM	1	49	21.00	20.91	21.02	22.5	2					
10	64QAM	25	0	20.10	20.14	20.19							
10	64QAM	25	12	20.02	20.12	20.25							
10	64QAM	25	25	20.16	20.20	20.36							
10	64QAM	50	0	20.07	20.10	20.27	21.5	3					
10	64QAM	50	0	20.07	20.10	20.27							
10	64QAM	50	0	20.07	20.10	20.27							
10	64QAM	50	0	20.07	20.10	20.27							
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	23.09	23.24	23.24	24.5	0					
5	QPSK	1	12	23.06	23.14	23.17							
5	QPSK	1	24	23.12	23.24	23.16							
5	QPSK	12	0	22.10	22.22	22.13							
5	QPSK	12	7	22.15	22.11	22.14	23.5	1					
5	QPSK	12	13	22.09	22.11	22.20							
5	QPSK	25	0	22.03	22.23	22.07							
5	16QAM	1	0	21.99	21.95	22.06							
5	16QAM	1	12	22.12	22.22	22.20	23.5	1					
5	16QAM	1	24	22.09	22.27	22.40							
5	16QAM	12	0	21.03	21.06	21.16							
5	16QAM	12	7	21.03	21.10	21.22							
5	16QAM	12	13	21.08	21.13	21.22	22.5	2					
5	16QAM	25	0	21.00	21.04	21.23							
5	64QAM	1	0	20.72	20.81	20.84							
5	64QAM	1	12	20.91	20.96	21.03							
5	64QAM	1	24	20.96	20.87	20.98	22.5	2					
5	64QAM	12	0	20.12	20.12	20.20							
5	64QAM	12	7	20.07	20.07	20.16							
5	64QAM	12	13	20.12	20.19	20.29							
5	64QAM	25	0	20.04	20.19	20.23	21.5	3					
5	64QAM	25	0	20.04	20.19	20.23							
5	64QAM	25	0	20.04	20.19	20.23							
5	64QAM	25	0	20.04	20.19	20.23							

Band 38_Ant 2										
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.29	23.75	23.67	24.5	0		
20	QPSK	1	49	23.52	23.74	23.56				
20	QPSK	1	99	23.58	23.70	23.57				
20	QPSK	50	0	22.55	22.63	22.57	23.5	1		
20	QPSK	50	24	22.57	22.62	22.52				
20	QPSK	50	50	22.50	22.61	22.53				
20	QPSK	100	0	22.53	22.61	22.53	23.5	1		
20	16QAM	1	0	22.58	22.64	22.56				
20	16QAM	1	49	22.87	22.70	22.64				
20	16QAM	1	99	22.80	22.64	22.53				
20	16QAM	50	0	21.57	21.58	21.57	22.5	2		
20	16QAM	50	24	21.57	21.62	21.57				
20	16QAM	50	50	21.60	21.61	21.61				
20	16QAM	100	0	21.57	21.59	21.55	22.5	2		
20	16QAM	1	0	21.35	21.32	21.30				
20	16QAM	1	49	21.30	21.42	21.41				
20	16QAM	1	99	21.43	21.36	21.17	21.5	3		
20	16QAM	50	0	20.56	20.61	20.60				
20	16QAM	50	24	20.59	20.61	20.57				
20	16QAM	50	50	20.63	20.65	20.55	20.5	5		
20	16QAM	100	0	20.65	20.61	20.57				
20	16QAM	100	0	20.60	20.65	20.57				
Channel				2577.5	2595	2612.5				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.52	23.83	23.62	24.5	0		
15	QPSK	1	37	23.47	23.62	23.65				
15	QPSK	1	74	23.46	23.55	23.54				
15	QPSK	36	0	22.42	22.50	22.52	23.5	1		
15	QPSK	36	36	22.44	22.55	22.49				
15	QPSK	36	36	22.42	22.52	22.50				
15	QPSK	75	0	22.42	22.56	22.43	22.5	2		
15	16QAM	1	0	22.53	22.59	22.42				
15	16QAM	1	37	22.53	22.59	22.58				
15	16QAM	1	74	22.65	22.60	22.38				
15	16QAM	36	0	21.54	21.51	21.56	21.5	3		
15	16QAM	36	20	21.45	21.54	21.52				
15	16QAM	36	36	21.46	21.54	21.44				
15	16QAM	75	0	21.51	21.50	21.47	21.5	3		
15	16QAM	1	0	21.33	21.22	21.27				
15	16QAM	1	37	21.17	21.29	21.27				
15	16QAM	1	74	21.36	21.34	21.07	20.5	5		
15	16QAM	36	0	20.45	20.51	20.59				
15	16QAM	36	20	20.57	20.60	20.44				
15	16QAM	36	39	20.58	20.64	20.41	20.5	5		
15	16QAM	75	0	20.55	20.56	20.56				
15	16QAM	75	0	20.55	20.56	20.56				
Channel				2575	2595	2615				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.45	23.70	23.55	24.5	0		
10	QPSK	1	25	23.45	23.63	23.47				
10	QPSK	1	49	23.46	23.65	23.49				
10	QPSK	12	0	22.41	22.54	22.53	23.5	1		
10	QPSK	25	12	22.39	22.48	22.45				
10	QPSK	25	25	22.45	22.47	22.49				
10	QPSK	50	0	22.45	22.49	22.44	23.5	1		
10	16QAM	1	0	22.46	22.57	22.57				
10	16QAM	1	25	22.62	22.66	22.56				
10	16QAM	1	49	22.65	22.52	22.48				
10	16QAM	25	0	21.50	21.49	21.56	22.5	2		
10	16QAM	25	12	21.48	21.50	21.55				
10	16QAM	25	25	21.42	21.52	21.49				
10	16QAM	50	0	21.42	21.56	21.40	22.5	2		
10	16QAM	1	0	21.27	21.26	21.28				
10	16QAM	1	25	21.17	21.39	21.32				
10	16QAM	1	49	21.42	21.34	21.02	21.5	3		
10	16QAM	25	0	20.44	20.56	20.47				
10	16QAM	25	12	20.57	20.54	20.48				
10	16QAM	25	25	20.54	20.58	20.52	20.5	5		
10	16QAM	50	0	20.54	20.59	20.44				
10	16QAM	50	0	20.54	20.59	20.44				
Channel				3777.5	38000	38225				
Frequency (MHz)				2572.5 <th>2595<th>2617.5<th colspan="4"></th></th></th>	2595 <th>2617.5<th colspan="4"></th></th>	2617.5 <th colspan="4"></th>				
5	QPSK	1	0	23.52	23.68	23.56	24.5	0		
5	QPSK	1	12	23.51	23.63	23.46				
5	QPSK	1	24	23.48	23.57	23.45				
5	QPSK	12	0	22.51	22.57	22.57	23.5	1		
5	QPSK	12	7	22.47	22.57	22.49				
5	QPSK	12	13	22.43	22.53	22.41				
5	QPSK	25	0	22.39	22.47	22.44	23.5	1		
5	16QAM	1	0	22.46	22.57	22.51				
5	16QAM	1	12	22.64	22.58	22.53				
5	16QAM	1	24	22.65	22.53	22.43				
5	16QAM	12	0	21.52	21.50	21.50	22.5	2		
5	16QAM	12	7	21.52	21.50	21.50				
5	16QAM	12	13	21.56	21.58	21.38				
5	16QAM	25	0	21.44	21.48	21.49	22.5	2		
5	16QAM	1	0	21.20	21.31	21.27				
5	16QAM	1	12	21.19	21.34	21.08				
5	16QAM	1	24	21.37	21.35	21.08	21.5	3		
5	16QAM	12	0	20.50	20.58	20.51				
5	16QAM	12	7	20.51	20.55	20.47				
5	16QAM	12	13	20.56	20.55	20.42	20.5	5		
5	16QAM	25	0	20.54	20.54	20.47				
5	16QAM	25	0	20.45	20.46	20.51				

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2638.5	2680				
20	QPSK	1	0	23.18	23.03	23.55	23.26	23.48	24.5	0		
20	QPSK	1	49	23.04	22.96	23.53	23.20	23.43				
20	QPSK	1	99	22.93	22.92	23.51	23.06	23.47				
20	QPSK	50	0	22.12	22.10	22.48	22.22	22.43				
20	QPSK	50	24	21.97	21.88	22.42	22.13	22.35	23.5	1		
20	QPSK	50	50	21.94	21.87	22.45	22.15	22.41				
20	QPSK	100	0	22.08	22.00	22.41	22.12	22.28				
20	16QAM	1	0	22.11	22.00	22.43	22.09	22.30				
20	16QAM	1	49	22.05	22.05	22.40	22.18	22.32	23.5	1		
20	16QAM	1	99	21.91	21.88	22.38	22.21	22.35				
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35				
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.38				
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	22.5	2		
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26				
20	64QAM	1	0	20.82	20.56	21.10	20.78	21.01				
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12				
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19	21.5	3		
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32				
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32				
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35				
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35				
Channel				39675	40148	40620	41093	41555	Time-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.12	22.87	23.11	23.40	23.53	24.5	0		
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.50				
15	QPSK	1	74	22.86	22.86	23.01	23.45	23.38				
15	QPSK	36	0	22.06	21.97	22.11	22.28	22.40				
15	QPSK	36	20	21.90	21.85	22.06	22.30	22.40	23.5	1		
15	QPSK	36	39	21.90	21.80	22.11	22.31	22.31				
15	QPSK	75	0	21.99	21.95	22.05	22.21	22.38				
15	16QAM	1	0	22.01	21.97	22.08	22.16	22.38				
15	16QAM	1	37	22.00	22.04	22.09	22.26	22.35	23.5	1		
15	16QAM	1	74	21.96	21.96	22.14	22.30	22.26				
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26				
15	16QAM	36	20	20.86	20.78	21.09	21.35	21.31				
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	22.5	2		
15	16QAM	36	0	20.93	20.83	21.03	21.22	21.38				
15	16QAM	36	20	20.77	20.54	20.77	20.98	21.06				
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06				
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08	22.5	2		
15	64QAM	1	74	20.55	20.68	20.88	21.05	20.94				
15	64QAM	36	0	19.83	19.79	20.09	20.16	20.42				
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41				
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31	21.5	3		
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41				
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41				
Channel				39700	40160	40620	41080	41540			Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.07	22.80	23.22	23.38	23.42	24.5	0		
10	QPSK	1	25	22.97	22.82	23.16	23.38	23.41				
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.43				
10	QPSK	25	0	22.10	22.01	22.17	22.41	22.42				
10	QPSK	25	12	21.94	21.87	22.01	22.29	22.39	23.5	1		
10	QPSK	25	25	21.84	21.81	22.10	22.32	22.31				
10	QPSK	50	0	22.05	21.93	22.11	22.15	22.39				
10	16QAM	1	0	22.06	21.89	22.08	22.13	22.32				
10	16QAM	1	25	21.91	21.94	22.11	22.23	22.39	23.5	1		
10	16QAM	1	49	21.89	21.94	22.09	22.24	22.34				
10	16QAM	25	0	20.98	20.89	20.96	21.30	21.39				
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28				
10	16QAM	25	25	20.88	20.91	21.17	21.33	21.34	22.5	2		
10	16QAM	50	0	20.88	20.88	20.98	21.18	21.39				
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02				
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.33				
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20	21.5	3		
10	64QAM	25	0	19.92	19.85	20.08	20.29	20.32				
10	64QAM	25	12	19.93	19.93	20.07	20.21	20.36				
10	64QAM	25	25	19.98	19.93	20.12	20.26	20.40				
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38				
Channel				39675	40148	40620	41093	41555	Time-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.11	22.85	23.11	23.47	23.43	24.5	0		
5	QPSK	1	12	23.03	22.94	23.10	23.26	23.43				
5	QPSK	1	24	22.93	22.77	23.03	23.43	23.42				
5	QPSK	12	0	22.01	21.86	22.21	22.35	22.38				
5	QPSK	12	7	21.86	21.86	22.12	22.28	22.30	23.5	1		
5	QPSK	12	13	21.89	21.86	22.13	22.31	22.32				
5	QPSK	25	0	22.01	21.89	21.97	22.23	22.30				
5	16QAM	1	0	21.99	21.92	21.98	22.27	22.42				
5	16QAM	1	12	21.91	21.90	22.09	22.25	22.35	23.5	1		
5	16QAM	1	24	21.90	21.97	22.12	22.27	22.28				
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.39				
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29				
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	22.5	2		
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47				
5	16QAM	1	0	20.70	22.00	20.76	20.80	20.97				
5	64QAM	1	0	20.65	20.58	20.70	21.11	21.11	22.5	2		
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98				
5	64QAM	12	0	19.83	19.77	20.02	20.24	20.29				
5	64QAM	12	7	19.86	19.82	20.05	20.26	20.34				
5	64QAM	12	13	19.87	19.82	20.02	20.27	20.34	21.5	3		
5	64QAM	25	0	19.83	19.86	20.10	20.22	20.38				

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										Channel										Channel											
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)											
20	QPSK	1	0	19.43	19.40	19.34	19.42	20	0	20	QPSK	1	0	22.53	22.40	22.52	22.55	23	0	20	QPSK	1	0	22.43	22.44	22.37	22.51	23	0		
20	QPSK	1	49	19.41	19.31	19.27	19.27			20	QPSK	1	49	22.49	22.39	22.50	22.32			20	QPSK	1	49	22.41	22.43	22.29	22.33			20	QPSK
20	QPSK	50	0	19.42	19.35	19.31	19.34	20	0	20	QPSK	50	0	21.57	21.42	21.55	21.43	22	1	20	QPSK	50	0	21.47	21.43	21.39	21.45	22	1		
20	QPSK	50	24	19.40	19.31	19.29	19.39			20	QPSK	50	24	21.43	21.27	21.41	21.37			20	QPSK	50	24	21.34	21.38	21.32	21.39			20	QPSK
20	QPSK	50	50	19.40	19.33	19.28	19.28	20	0	20	QPSK	50	50	21.48	21.37	21.42	21.27	22	1	20	QPSK	50	50	21.31	21.32	21.32	21.33	22	1		
20	QPSK	100	0	19.40	19.36	19.23	19.38			20	QPSK	100	0	21.55	21.31	21.44	21.38			20	QPSK	100	0	21.46	21.44	21.31	21.41			20	QPSK
20	16QAM	1	0	19.42	19.35	19.19	19.34	20	0	20	16QAM	1	0	21.53	21.32	21.47	21.29	21	1	20	16QAM	1	0	21.43	21.48	21.44	21.47	21	1		
20	16QAM	1	49	19.31	19.35	19.19	19.39			20	16QAM	1	49	21.46	21.38	21.44	21.39			20	16QAM	1	49	21.44	21.67	21.46	21.52			20	16QAM
20	16QAM	1	99	19.33	19.31	19.24	19.30	20	0	20	16QAM	1	99	21.50	21.28	21.44	21.38	21	2	20	16QAM	1	99	21.27	21.52	21.48	21.49	21	2		
20	16QAM	50	0	19.33	19.31	19.30	19.40			20	16QAM	50	0	20.65	20.38	20.53	20.43			20	16QAM	50	0	20.29	20.37	20.33	20.48			20	16QAM
20	16QAM	50	24	19.42	19.35	19.30	19.32	20	0	20	16QAM	50	24	20.44	20.33	20.44	20.34	21	2	20	16QAM	50	24	20.29	20.44	20.35	20.46	21	2		
20	16QAM	50	50	19.34	19.38	19.26	19.41			20	16QAM	50	50	20.41	20.29	20.52	20.30			20	16QAM	50	50	20.23	20.42	20.31	20.51			20	16QAM
20	64QAM	1	0	19.34	19.31	19.26	19.39	20	0	20	64QAM	1	0	20.54	20.27	20.45	20.39	21	2	20	64QAM	1	0	19.92	19.96	19.95	20.07	21	2		
20	64QAM	1	49	19.33	19.39	19.31	19.29			20	64QAM	1	49	20.48	20.29	20.50	20.31			20	64QAM	1	49	19.88	19.88	19.97	20.11			20	64QAM
20	64QAM	50	0	19.34	19.38	19.27	19.38	20	0	20	64QAM	50	0	20.48	20.35	20.52	20.42	20	3	20	64QAM	50	0	19.86	19.86	19.89	19.89	20	3		
20	64QAM	50	0	19.31	19.32	19.30	19.38			20	64QAM	50	0	19.80	19.41	19.59	19.45			20	64QAM	50	0	19.12	19.38	19.15	19.46			20	64QAM
20	64QAM	50	24	19.35	19.36	19.25	19.40	20	0	20	64QAM	50	24	19.59	19.41	19.49	19.30	20	3	20	64QAM	50	24	19.28	19.44	19.35	19.51	20	3		
20	64QAM	50	50	19.40	19.27	19.30	19.40			20	64QAM	50	50	19.63	19.32	19.51	19.38			20	64QAM	50	50	19.17	19.43	19.31	19.53			20	64QAM
20	64QAM	100	0	19.44	19.35	19.31	19.30	20	0	20	64QAM	100	0	19.54	19.40	19.45	19.31	21	2	20	64QAM	100	0	19.22	19.39	19.37	19.49	21	2		
15	QPSK	1	0	19.41	19.39	19.20	19.30			15	QPSK	1	0	22.48	22.19	22.45	22.43			15	QPSK	1	0	22.38	22.21	22.21	22.18			15	QPSK
15	QPSK	1	37	19.27	19.21	19.23	19.19	20	0	15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	15	QPSK	1	37	22.17	22.24	22.11	22.26	23	0		
15	QPSK	1	74	19.30	19.29	19.22	19.23			15	QPSK	1	74	22.45	22.09	22.47	22.19			15	QPSK	1	74	22.03	22.31	22.17	22.29			15	QPSK
15	QPSK	36	0	19.30	19.31	19.20	19.33	20	0	15	QPSK	36	0	21.46	21.22	21.40	21.33	22	1	15	QPSK	36	0	21.23	21.27	21.26	21.31	22	1		
15	QPSK	36	20	19.27	19.29	19.19	19.25			15	QPSK	36	20	21.36	20.99	21.39	21.28			15	QPSK	36	20	21.22	21.20	21.09	21.24			15	QPSK
15	QPSK	36	39	19.38	19.22	19.17	19.25	20	0	15	QPSK	36	39	21.45	21.13	21.27	21.21	22	1	15	QPSK	36	39	21.12	21.20	21.18	21.19	22	1		
15	QPSK	75	0	19.27	19.24	19.22	19.37			15	QPSK	75	0	21.47	21.05	21.36	21.31			15	QPSK	75	0	21.32	21.39	21.17	21.31			15	QPSK
15	16QAM	1	0	19.35	19.28	19.10	19.29	20	0	15	16QAM	1	0	21.58	21.11	21.38	21.14	22	1	15	16QAM	1	0	20.29	20.46	21.23	21.28	22	1		
15	16QAM	1	37	19.28	19.28	19.24	19.25			15	16QAM	1	37	21.42	21.19	21.39	21.16			15	16QAM	1	37	21.31	21.40	21.16	21.21			15	16QAM
15	16QAM	1	74	19.24	19.30	19.13	19.16	20	0	15	16QAM	1	74	21.43	21.10	21.29	21.29	22	1	15	16QAM	1	74	21.08	21.41	21.41	21.29	22	1		
15	16QAM	36	0	19.23	19.20	19.26	19.33			15	16QAM	36	0	20.54	20.17	20.50	20.42			15	16QAM	36	0	20.14	20.20	20.21	20.26			15	16QAM
15	16QAM	36	20	19.27	19.25	19.28	19.23	20	0	15	16QAM	36	20	20.30	20.10	20.37	20.30	21	2	15	16QAM	36	20	20.06	20.24	20.16	20.32	21	2		
15	16QAM	36	39	19.31	19.34	19.15	19.28			15	16QAM	36	39	20.20	20.14	20.59	20.27			15	16QAM	36	39	20.15	20.25	20.17	20.27			15	16QAM
15	16QAM	75	0	19.29	19.33	19.20	19.23	20	0	15	16QAM	75	0	20.32	20.14	20.39	20.37	21	2	15	16QAM	75	0	20.09	20.16	20.22	20.32	21	2		
15	64QAM	1	0	19.21	19.22	19.21	19.29			15	64QAM	1	0	20.50	20.01	20.35	20.26			15	64QAM	1	0	19.79	19.74	19.81	20.00			15	64QAM
15	64QAM	1	37	19.19	19.33	19.30	19.19	20	0	15	64QAM	1	37	20.35	20.07	20.44	20.30	21	2	15	64QAM	1	37	19.74	19.83	19.82	19.83	21	2		
15	64QAM	1	74	19.28	19.28	19.28	19.27			15	64QAM	1	74	20.35	20.16	20.41	20.29			15	64QAM	1	74	19.80	19.84	19.86	19.86			15	64QAM
15	64QAM	36	0	19.24	19.21	19.19	19.25	20	0	15	64QAM	36	0	19.55	19.19	19.48	19.31	20	3	15	64QAM	36	0	19.11	19.19	19.30	19.41	20	3		
15	64QAM	36	20	19.25	19.23	19.14	19.34			15	64QAM	36	20	19.45	19.17	19.45	19.20			15	64QAM	36	20	19.17	19.33	19.19	19.34			15	64QAM
15	64QAM	36	39	19.25	19.22	19.27	19.36	20	0	15	64QAM	36	39	19.48	19.05	19.36	19.28	20	3	15	64QAM	36	39	18.92	19.18	19.07	19.35	20	3		
15	64QAM	75	0	19.28	19.28	19.27	19.23			15	64QAM	75	0	19.63	19.12	19.35	19.30			15	64QAM	75	0	19.07	19.25	19.19	19.30			15	64QAM
Channel										Channel										Channel											
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)											
10	QPSK	1	0	19.42	19.31	19.33	19.36	20	0	10	QPSK	1	0	22.47	22.20	22.49	22.37	23	0	10	QPSK	1	0	22.21	22.21	22.17	22.32	23	0		
10	QPSK	1	25	19.40	19.19	19.17	19.25			10	QPSK	1	25	22.45	22.22	22.44	22.19			10	QPSK	1	25	22.33	22.19	22.20	22.29			10	QPSK
10	QPSK	1	49	19.38	19.16	19.17	19.12	20	0	10	QPSK	1	49	22.43	22.19	22.39	22.15	22	1	10	QPSK	1	49	21.99	22.17	22.23	22.17	22	1		
10	QPSK	25	0	19.37	19.29	19.22	19.21			10	QPSK	25	0	21.42	21.25	21.50	21.35														

Part 96_Band 48_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	23.36	23.07	23.26	23.18	24.5	0		
20	QPSK	1	49	23.25	22.97	23.23	23.10				
20	QPSK	1	99	23.22	22.97	23.24	23.07				
20	QPSK	50	0	22.35	22.14	22.22	22.22				
20	QPSK	50	24	22.27	22.02	22.11	22.16	23.5	1		
20	QPSK	50	50	22.29	22.10	22.17	22.10				
20	QPSK	100	0	22.33	22.09	22.09	22.17				
20	16QAM	1	49	22.24	22.07	22.08	22.12				
20	16QAM	1	99	22.31	22.01	22.21	22.18	23.5	1		
20	16QAM	1	99	22.22	22.06	22.14	22.14				
20	16QAM	50	0	21.28	21.03	21.17	21.15				
20	16QAM	50	24	21.17	20.91	21.06	21.11				
20	16QAM	50	50	21.23	21.00	21.07	21.03	22.5	2		
20	16QAM	100	0	21.26	20.88	21.05	21.13				
20	64QAM	1	0	21.25	20.91	21.07	21.02				
20	64QAM	1	49	21.14	20.97	21.02	21.14				
20	64QAM	1	99	21.22	20.95	21.02	21.10	22.5	2		
20	64QAM	50	0	20.33	20.09	20.20	20.19				
20	64QAM	50	24	20.31	19.96	20.13	20.13				
20	64QAM	50	50	20.21	19.97	20.07	20.07				
20	64QAM	100	0	20.26	19.98	20.07	20.15	21.5	3		
Channel				55315	55800	56100	56605				
Frequency (MHz)				3567.5	3609	3642	3692.5				
15	QPSK	1	0	23.27	22.94	23.13	23.04				
15	QPSK	1	37	23.16	22.89	23.15	22.96				
15	QPSK	1	74	23.07	22.89	23.11	22.92				
15	QPSK	36	0	22.28	22.13	22.20	22.20				
15	QPSK	36	20	22.14	21.90	22.07	22.02	23.5	1		
15	QPSK	36	39	22.21	22.00	22.06	22.00				
15	QPSK	75	0	22.30	22.04	22.00	22.07				
15	16QAM	1	0	22.17	22.03	21.95	22.08				
15	16QAM	1	37	22.26	21.96	22.19	22.04	23.5	1		
15	16QAM	1	74	22.19	21.94	22.02	22.07				
15	16QAM	36	0	21.18	20.91	21.16	21.14				
15	16QAM	36	20	21.05	20.79	21.05	21.09				
15	16QAM	36	39	21.15	20.96	20.97	20.96	22.5	2		
15	16QAM	75	0	21.21	20.97	20.94	20.90				
15	64QAM	1	0	21.14	20.77	20.94	20.93				
15	64QAM	1	37	21.01	20.83	21.00	21.13				
15	64QAM	1	74	21.15	20.91	20.92	21.08	22.5	2		
15	64QAM	36	0	20.26	19.97	20.06	20.16				
15	64QAM	36	20	20.26	19.81	20.11	20.00				
15	64QAM	36	39	20.15	19.91	19.94	20.06				
15	64QAM	75	0	20.18	19.95	19.97	20.08	21.5	3		
Channel				55300	55815	56105	56610				
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	23.28	22.98	23.20	23.12				
10	QPSK	1	25	23.19	22.83	23.11	23.05				
10	QPSK	1	49	23.07	22.83	23.23	22.97				
10	QPSK	25	0	22.24	22.11	22.08	22.12				
10	QPSK	25	12	22.15	21.93	22.04	22.02	23.5	1		
10	QPSK	25	25	22.23	22.04	22.13	21.96				
10	QPSK	50	0	22.30	21.98	21.97	22.10				
10	16QAM	1	0	22.16	21.92	22.06	22.01				
10	16QAM	1	25	22.15	21.97	22.07	22.04	23.5	1		
10	16QAM	1	49	22.10	22.05	22.07	22.11				
10	16QAM	25	0	21.24	20.92	21.07	21.00				
10	16QAM	25	12	21.07	20.77	20.96	21.05				
10	16QAM	25	25	21.14	20.91	21.02	20.95	22.5	2		
10	16QAM	50	0	21.22	20.81	20.99	21.03				
10	64QAM	1	0	21.17	20.81	20.97	20.90				
10	64QAM	1	25	20.99	20.90	20.89	21.13				
10	64QAM	1	49	21.19	20.88	20.97	21.09	21.5	3		
10	64QAM	25	0	20.30	19.94	20.08	20.07				
10	64QAM	25	12	20.22	19.92	20.01	19.98				
10	64QAM	25	25	20.12	19.92	19.96	19.92				
10	64QAM	50	0	20.18	19.84	19.97	20.02	Channel			
Frequency (MHz)				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
				3552.5	3607	3643	3697.5				
5	QPSK	1	0	23.33	22.99	23.22	23.08	24.5	0		
5	QPSK	1	12	23.13	22.95	23.23	22.99				
5	QPSK	1	24	23.11	22.85	23.20	22.93				
5	QPSK	12	0	22.23	22.09	22.19	22.14				
5	QPSK	12	7	22.15	21.88	22.08	22.14	23.5	1		
5	QPSK	12	13	22.16	22.08	22.02	22.09				
5	QPSK	25	0	22.27	21.97	22.00	22.11				
5	16QAM	1	0	22.15	22.04	21.93	22.10				
5	16QAM	1	12	22.21	21.89	22.12	22.13	23.5	1		
5	16QAM	1	24	22.06	21.92	22.05	22.02				
5	16QAM	12	0	21.19	20.91	21.07	21.13				
5	16QAM	12	7	21.12	20.84	20.93	21.04				
5	16QAM	12	13	21.20	20.98	20.95	20.90	22.5	2		
5	16QAM	25	0	21.19	20.82	21.03	21.08				
5	64QAM	1	0	21.15	20.76	21.02	20.96				
5	64QAM	1	12	21.04	20.90	20.90	21.02				
5	64QAM	1	24	21.13	20.80	20.91	21.01	21.5	3		
5	64QAM	12	0	20.26	20.02	20.12	20.09				
5	64QAM	12	7	20.18	19.87	20.08	20.00				
5	64QAM	12	13	20.09	19.83	20.03	19.93				
5	64QAM	25	0	20.22	19.93	19.96	20.02				

Reduced Power Mode for EC114

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49	24.50
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46	24.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	25.24
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	21.00
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.24	29.56	29.51	30.50	20.26	20.58	20.51	21.50
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.24
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	20.00
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.43	29.69	29.82	30.50	20.43	20.69	20.82	21.50
GPRS 1 Tx slot		29.40	29.67	29.74	30.50	20.40	20.67	20.74	21.50
GPRS 2 Tx slots		27.49	27.87	27.93	28.50	21.49	21.87	21.93	22.50
GPRS 3 Tx slots		26.26	26.57	26.72	27.50	22.00	22.31	22.46	23.24
GPRS 4 Tx slots		24.94	25.06	25.37	26.50	21.94	22.06	22.37	23.50
EDGE 1 Tx slot		25.88	25.84	25.88	27.00	16.88	16.84	16.88	18.00
EDGE 2 Tx slots		24.58	24.52	24.66	26.00	18.58	18.52	18.66	20.00
EDGE 3 Tx slots		22.35	22.78	22.28	23.50	18.09	18.52	18.02	19.24
EDGE 4 Tx slots		20.72	20.71	20.89	22.00	17.72	17.71	17.89	19.00

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.89	19.85	19.96	21.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	19.97	20.05	20.02	21.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	18.98	19.11	19.19	20.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	18.92	19.01	19.15	20.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	18.50	18.48	18.70	19.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	18.52	18.51	18.73	19.50	22.53	22.62	22.57	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.87	19.04	19.14	20.00	22.96	23.07	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.96	18.96	19.12	20.00	22.87	23.04	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	18.47	18.56	18.59	19.50	22.55	22.55	22.62	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	18.44	18.52	18.57	19.50	22.51	22.48	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	17.12	17.11	17.06	18.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	17.06	17.08	17.14	18.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	18.11	18.05	18.20	19.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	16.65	16.66	16.67	18.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	18.12	18.15	18.09	20.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.90	17.08	17.06	18.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	24.00	23.94	25.00	23.78	23.81	23.74	25.00
3GPP Rel 99	RMC 12.2Kbps	24.90	24.95	24.92	25.00	23.83	23.85	23.78	25.00
3GPP Rel 6	HSDPA Subtest-1	23.22	23.26	23.26	24.00	22.98	23.07	23.09	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.27	23.25	24.00	22.93	23.05	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.79	23.50	22.44	22.59	22.60	23.50
3GPP Rel 6	HSDPA Subtest-4	22.73	22.74	22.71	23.50	22.45	22.55	22.53	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.16	23.17	23.23	24.00	22.89	22.93	23.02	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.17	23.22	23.20	24.00	22.89	23.02	22.96	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.76	22.74	22.77	23.50	22.36	22.51	22.58	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.58	22.73	22.58	23.50	22.30	22.46	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.30	21.26	22.00	20.93	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-2	21.29	21.34	21.29	22.00	20.98	21.09	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	22.26	22.31	22.33	23.00	22.00	22.09	22.12	23.00
3GPP Rel 6	HSUPA Subtest-4	20.82	20.78	20.75	22.00	20.40	20.62	20.65	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.32	22.30	24.00	22.00	22.10	22.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.21	21.25	21.23	22.50	21.11	21.19	21.08	22.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.05	32.26	32.11	33.00	23.05	23.26	23.11	24.00
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	23.01	23.21	23.05	24.00
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00
GPRS 3 Tx slots		27.96	28.04	27.92	29.00	23.60	23.78	23.66	24.74
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00
EDGE 1 Tx slot		26.82	26.77	26.77	27.50	17.82	17.77	17.77	18.50
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.50
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.24
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.68	29.79	29.74	30.50	20.68	20.79	20.74	21.50
GPRS 1 Tx slot		29.66	29.77	29.73	30.50	20.66	20.77	20.73	21

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	20.25	20.32	20.29	21.5	0		
20	QPSK	1	49	20.10	20.20	20.15				
20	QPSK	1	99	20.15	20.23	20.14				
20	QPSK	50	0	20.22	20.30	20.27	21.5	0		
20	QPSK	50	24	20.04	20.28	20.13				
20	QPSK	50	50	20.13	20.19	20.12				
20	QPSK	100	0	20.21	20.26	20.20	21.5	0		
20	16QAM	1	0	20.17	20.12	20.21				
20	16QAM	1	49	20.12	20.21	20.14				
20	16QAM	1	99	20.23	20.28	20.15	21.5	0		
20	16QAM	50	0	20.22	20.28	20.17				
20	16QAM	50	24	20.22	20.23	20.20				
20	16QAM	50	50	19.97	20.09	20.10	21.5	0		
20	16QAM	100	0	20.00	20.10	20.02				
20	64QAM	1	0	20.20	20.18	20.24				
20	64QAM	1	49	20.03	20.25	20.11	21.5	0		
20	64QAM	1	99	20.10	20.18	20.08				
20	64QAM	50	0	20.20	20.25	20.05				
20	64QAM	50	24	20.12	20.01	20.16	21.5	0		
20	64QAM	50	50	19.99	20.06	20.06				
20	64QAM	100	0	20.11	20.13	20.13				
Channel				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18900	1902.5				
15	QPSK	1	0	20.22	20.22	20.18	21.5	0		
15	QPSK	1	37	19.99	20.17	20.04				
15	QPSK	1	74	20.13	20.14	20.06				
15	QPSK	36	0	20.15	20.22	20.24	21.5	0		
15	QPSK	36	20	20.03	20.13	20.05				
15	QPSK	36	39	20.11	20.04	20.03				
15	QPSK	75	0	20.13	20.18	20.12	21.5	0		
15	16QAM	1	0	20.14	20.09	20.13				
15	16QAM	1	37	20.00	20.13	20.01				
15	16QAM	1	74	20.08	20.14	20.10	21.5	0		
15	16QAM	36	0	20.07	20.14	20.13				
15	16QAM	36	20	20.10	20.21	20.12				
15	16QAM	36	39	19.85	19.98	20.06	21.5	0		
15	16QAM	75	0	19.95	20.06	20.00				
15	64QAM	1	0	20.05	20.11	20.17				
15	64QAM	1	37	20.01	20.17	20.00	21.5	0		
15	64QAM	1	74	20.03	20.17	20.07				
15	64QAM	36	0	20.10	20.16	20.04				
15	64QAM	36	20	20.11	19.94	20.02	21.5	0		
15	64QAM	36	39	19.87	20.00	20.02				
15	64QAM	75	0	20.08	20.08	20.11				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	18800	19050				
10	QPSK	1	0	20.24	20.24	20.21	21.5	0		
10	QPSK	1	25	20.01	20.07	20.05				
10	QPSK	1	49	20.06	20.18	20.10				
10	QPSK	25	0	20.17	20.16	20.14	21.5	0		
10	QPSK	25	12	19.93	20.15	19.98				
10	QPSK	25	25	20.10	20.07	20.07				
10	QPSK	50	0	20.08	20.21	20.01	21.5	0		
10	16QAM	1	0	20.09	20.09	20.18				
10	16QAM	1	25	20.09	20.20	20.05				
10	16QAM	1	49	20.08	20.17	20.02	21.5	0		
10	16QAM	25	0	20.21	20.19	20.06				
10	16QAM	25	12	20.18	20.19	20.11				
10	16QAM	25	25	19.85	20.04	20.06	21.5	0		
10	16QAM	50	0	19.93	20.01	19.87				
10	64QAM	1	0	20.17	20.03	20.23				
10	64QAM	1	25	19.96	20.11	20.10	21.5	0		
10	64QAM	1	49	19.96	20.16	19.95				
10	64QAM	25	0	20.18	20.16	19.97				
10	64QAM	25	12	20.09	19.93	20.04	21.5	0		
10	64QAM	25	25	19.87	20.00	20.03				
10	64QAM	50	0	20.02	19.98	20.05				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	18800	1907.5				
5	QPSK	1	0	20.24	20.18	20.16	21.5	0		
5	QPSK	1	12	20.02	20.12	20.13				
5	QPSK	1	24	20.09	20.21	20.02				
5	QPSK	12	0	20.21	20.21	20.18	21.5	0		
5	QPSK	12	7	20.00	20.26	20.03				
5	QPSK	12	13	20.00	20.07	20.04				
5	QPSK	25	0	20.18	20.24	20.10	21.5	0		
5	16QAM	1	0	20.13	20.08	20.06				
5	16QAM	1	12	19.97	20.06	20.09				
5	16QAM	1	24	20.08	20.19	20.06	21.5	0		
5	16QAM	12	0	20.07	20.23	20.16				
5	16QAM	12	7	20.08	20.15	20.07				
5	16QAM	12	13	19.94	20.08	20.08	21.5	0		
5	16QAM	25	0	19.92	20.04	19.98				
5	64QAM	1	0	20.12	20.05	20.20				
5	64QAM	1	12	20.02	20.11	20.02	21.5	0		
5	64QAM	1	24	20.08	20.10	20.02				
5	64QAM	12	0	20.13	20.16	20.01				
5	64QAM	12	7	20.05	19.98	20.14	21.5	0		
5	64QAM	12	13	19.84	19.91	20.03				
5	64QAM	25	0	19.97	20.07	20.08				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	18800	1908.5				
3	QPSK	1	0	20.21	20.25	20.21	21.5	0		
3	QPSK	1	8	20.09	20.17	20.12				
3	QPSK	1	14	20.05	20.15	20.11				
3	QPSK	8	0	20.07	20.22	20.24	21.5	0		
3	QPSK	8	4	19.94	20.23	19.99				
3	QPSK	8	7	20.09	20.19	20.09				
3	QPSK	15	0	20.16	20.15	19.99	21.5	0		
3	16QAM	1	0	20.13	20.11	20.07				
3	16QAM	1	8	20.08	20.07	20.05				
3	16QAM	1	14	20.22	20.25	20.10	21.5	0		
3	16QAM	8	0	20.21	20.13	20.06				
3	16QAM	8	4	20.10	20.16	20.09				
3	16QAM	8	7	19.93	19.94	20.00	21.5	0		
3	16QAM	15	0	19.93	20.00	19.93				
3	64QAM	1	0	20.16	20.14	20.10				
3	64QAM	1	8	19.95	20.17	19.96	21.5	0		
3	64QAM	1	14	19.95	20.04	20.06				
3	64QAM	8	0	20.16	20.10	19.96				
3	64QAM	8	4	20.06	19.98	20.08	21.5	0		
3	64QAM	8	7	19.89	19.91	19.96				
3	64QAM	15	0	20.08	20.00	20.11				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	1909.3				
1.4	QPSK	1	0	20.14	20.26	20.28	21.5	0		
1.4	QPSK	1	3	20.07	20.16	20.20				
1.4	QPSK	1	6	20.01	20.19	20.04				
1.4	QPSK	3	0	20.20	20.21	20.26	21.5	0		
1.4	QPSK	3	1	20.01	20.25	20.11				
1.4	QPSK	3	3	19.99	20.18	20.02				
1.4	QPSK	6	0	20.19	20.24	19.98	21.5	0		
1.4	16QAM	1	0	20.16	19.97	20.09				
1.4	16QAM	1	3	20.04	20.06	20.05				
1.4	16QAM	1	6	20.19	20.23	20.03	21.5	0		
1.4	16QAM	3	0	20.12	20.19	20.14				
1.4	16QAM	3	1	20.16	20.19	20.07				
1.4	16QAM	3	3	19.90	20.08	19.04	21.5	0		
1.4	16QAM	6	0	19.95	20.03	19.97				
1.4	64QAM	1	0	20.15	20.10	20.11				
1.4	64QAM	1	3	19.92	20.23	20.00	21.5	0		
1.4	64QAM	1	5	19.98	20.12	19.94				
1.4	64QAM	3	0	20.13	20.16	19.97				
1.4	64QAM	3	1	20.02	20.07	20.13	21.5	0		
1.4	64QAM	3	3	19.94	19.99	19.91				
1.4	64QAM	6	0	19.99	20.09	20.10				

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.29	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.16	22.26			
20	QPSK	100	0	22.24	22.29	22.26	23.5	1	
20	16QAM	1	0	22.52	22.53	22.49			
20	16QAM	1	49	22.53	22.51	22.48			
20	16QAM	1	99	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.21	21.24			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	22.5	2	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.22	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.10			
10	QPSK	25	25	22.14	22.14	22.14			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.20			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.16	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.24			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.14	22.24	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.14			
5	QPSK	12	13	22.18	22.15	22.21			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.06	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.14	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.16	22.12			
3	QPSK	15	0	22.09	22.27	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.40			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.30	21.43	21.29			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.08	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.24			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1	
1.4	16QAM	1	0	22.40	22.38	22.36	23.5	1	
1.4	16QAM	1	3	22.48	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45			
1.4	16QAM	3	0	22.38	22.40	22.45	22.5	2	
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46			
1.4	64QAM	1	0	21.33	21.38	21.36	22.5	2	
1.4	64QAM	1	3	21.29	21.37	21.41			
1.4	64QAM	1	5	21.21	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26	21.5	3	
1.4	64QAM	3	1	21.26	21.38	21.30			
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3	

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.76	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74				
10	QPSK	25	12	22.63	22.67	22.72				
10	QPSK	25	25	22.63	22.69	22.70	24	1		
10	QPSK	50	0	22.67	22.75	22.73				
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02				
10	16QAM	1	49	22.71	23.00	22.97				
10	16QAM	25	0	21.66	21.63	21.74	23	2		
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71				
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95	23	2		
10	64QAM	1	49	21.84	21.98	21.81				
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69				
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74	22	3		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61				
5	QPSK	12	7	22.51	22.56	22.71				
5	QPSK	12	13	22.55	22.62	22.62	24	1		
5	QPSK	25	0	22.56	22.62	22.66				
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93				
5	16QAM	1	24	22.67	22.90	22.86				
5	16QAM	12	0	21.65	21.54	21.72	23	2		
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70				
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94	23	2		
5	64QAM	1	24	21.72	21.93	21.76				
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58				
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74	22	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71				
3	QPSK	8	4	22.62	22.59	22.69				
3	QPSK	8	7	22.60	22.61	22.69	24	1		
3	QPSK	15	0	22.59	22.73	22.64				
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97				
3	16QAM	1	14	22.68	22.88	22.91				
3	16QAM	8	0	21.65	21.57	21.63	23	2		
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64				
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88	23	2		
3	64QAM	1	14	21.70	21.85	21.70				
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57				
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65	22	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85				
1.4	QPSK	3	1	23.63	23.68	23.45				
1.4	QPSK	3	3	23.69	23.70	23.73	24	1		
1.4	QPSK	6	0	22.58	22.61	22.65				
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00				
1.4	16QAM	1	5	22.66	22.86	22.84				
1.4	16QAM	3	0	22.73	22.86	22.87	24	1		
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86				
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92	23	2		
1.4	64QAM	1	5	21.80	21.92	21.80				
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70				
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77	22	3		

Band 5_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.63	23.66	23.64	25	0		
10	QPSK	1	25	23.49	23.44	23.50				
10	QPSK	1	49	23.47	23.61	23.57				
10	QPSK	25	0	22.59	22.63	22.55				
10	QPSK	25	12	22.54	22.49	22.50				
10	QPSK	25	25	22.55	22.56	22.47	24	1		
10	QPSK	50	0	22.56	22.60	22.52				
10	16QAM	1	0	22.85	23.05	22.80				
10	16QAM	1	25	22.71	22.81	23.01				
10	16QAM	1	49	22.88	22.87	22.93				
10	16QAM	25	0	21.57	21.47	21.60	23	2		
10	16QAM	25	12	21.62	21.42	21.64				
10	16QAM	25	25	21.61	21.46	21.62				
10	16QAM	50	0	21.61	21.46	21.61				
10	64QAM	1	0	21.75	21.87	21.80				
10	64QAM	1	25	21.76	21.60	21.66	23	2		
10	64QAM	1	49	21.62	21.68	21.94				
10	64QAM	25	0	20.50	20.53	20.61				
10	64QAM	25	12	20.49	20.46	20.48				
10	64QAM	25	25	20.52	20.58	20.52	22	3		
10	64QAM	50	0	20.51	20.51	20.61				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.51	23.64	23.58	25	0		
5	QPSK	1	12	23.41	23.42	23.42				
5	QPSK	1	24	23.32	23.59	23.52				
5	QPSK	12	0	22.48	22.58	22.40				
5	QPSK	12	7	22.52	22.46	22.45				
5	QPSK	12	14	22.43	22.43	22.33	24	1		
5	QPSK	25	0	22.54	22.57	22.93				
5	16QAM	1	0	22.84	23.03	22.66				
5	16QAM	1	12	22.58	22.71	22.90				
5	16QAM	1	24	22.80	22.84	22.92				
5	16QAM	12	0	21.49	21.46	21.53	23	2		
5	16QAM	12	7	21.58	21.30	21.53				
5	16QAM	12	13	21.53	21.41	21.61				
5	16QAM	25	0	21.58	21.56	21.48				
5	64QAM	1	0	21.63	21.85	21.76				
5	64QAM	1	12	21.61	21.56	21.61	23	2		
5	64QAM	1	24	21.48	21.59	21.85				
5	64QAM	12	0	20.40	20.40	20.48				
5	64QAM	12	7	20.34	20.36	20.36				
5	64QAM	12	13	20.40	20.56	20.41	22	3		
5	64QAM	25	0	20.42	20.50	20.55				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.54	23.64	23.61	25	0		
3	QPSK	1	8	23.35	23.41	23.40				
3	QPSK	1	14	23.44	23.53	23.48				
3	QPSK	8	0	22.53	22.61	22.42				
3	QPSK	8	4	22.43	22.44	22.40				
3	QPSK	8	7	22.41	22.52	22.40	24	1		
3	QPSK	15	0	22.54	22.56	22.44				
3	16QAM	1	0	22.80	22.93	22.73				
3	16QAM	1	8	22.70	22.78	22.89				
3	16QAM	1	14	22.77	22.83	22.85				
3	16QAM	8	0	21.53	21.39	21.46	23	2		
3	16QAM	8	7	21.57	21.39	21.53				
3	16QAM	8	14	21.53	21.37	21.56				
3	16QAM	15	0	21.59	21.31	21.47				
3	64QAM	1	0	21.63	21.78	21.79				
3	64QAM	1	8	21.65	21.53	21.55	23	2		
3	64QAM	1	14	21.55	21.61	21.88				
3	64QAM	8	0	20.49	20.41	20.36				
3	64QAM	8	4	20.36	20.44	20.60				
3	64QAM	8	7	20.43	20.42	20.46	22	3		
3	64QAM	15	0	20.43	20.42	20.48				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.57	23.56	23.57	25	0		
1.4	QPSK	1	3	23.46	23.42	23.40				
1.4	QPSK	1	5	23.37	23.51	23.43				
1.4	QPSK	3	0	23.54	23.60	23.54				
1.4	QPSK	3	1	23.45	23.29	23.49				
1.4	QPSK	3	3	23.46	23.54	23.45	24	1		
1.4	QPSK	6	0	22.43	22.47	22.39				
1.4	16QAM	1	0	22.78	22.99	22.67				
1.4	16QAM	1	3	22.40	22.51	22.89				
1.4	16QAM	1	5	22.87	22.79	22.87				
1.4	16QAM	3	0	22.80	23.02	22.79	24	1		
1.4	16QAM	3	1	22.66	22.72	22.92				
1.4	16QAM	3	3	22.74	22.72	22.86				
1.4	16QAM	6	0	21.50	21.37	21.58				
1.4	64QAM	1	0	21.71	21.77	21.67	23	2		
1.4	64QAM	1	3	21.62	21.53	21.63				
1.4	64QAM	1	5	21.57	21.52	21.83				
1.4	64QAM	3	0	21.61	21.85	21.69				
1.4	64QAM	3	1	21.63	21.59	21.57				
1.4	64QAM	3	3	21.60	21.54	21.91	22			
1.4	64QAM	6	0	20.45	20.42	20.50				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77			
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.95			
20	16QAM	1	49	22.88	22.92	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	22.5	2	
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.78	20.72			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.67	23.79	23.76			
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.70	22.70			
15	QPSK	75	0	22.58	22.75	22.60			
15	16QAM	1	0	22.67	22.86	22.88	23.5	1	
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60	22.5	2	
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.89	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56			
15	64QAM	36	39	20.56	20.77	20.69	21.5	3	
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.65	23.79	23.72			
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64			
10	16QAM	1	0	22.75	22.80	22.88	23.5	1	
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57	22.5	2	
10	16QAM	25	25	21.62	21.67	21.68			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69			
10	64QAM	25	25	20.60	20.72	20.62	21.5	3	
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.60	23.85	23.65			
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65			
5	16QAM	1	0	22.73	22.81	22.89	23.5	1	
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58	22.5	2	
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.82	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67			
5	64QAM	12	13	20.62	20.75	20.57	21.5	3	
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.53	23.67	23.55			
20	QPSK	1	49	23.49	23.65	23.50			
20	QPSK	1	99	23.41	23.53	23.51	23.5	1	
20	QPSK	50	0	22.52	22.60	22.51			
20	QPSK	50	24	22.49	22.58	22.39			
20	QPSK	50	50	22.51	22.52	22.47			
20	QPSK	100	0	22.48	22.52	22.43	23.5	1	
20	16QAM	1	0	22.65	22.90	22.70			
20	16QAM	1	49	22.69	22.66	22.70			
20	16QAM	1	99	22.76	22.69	22.80			
20	16QAM	50	0	21.51	21.47	21.46	22.5	2	
20	16QAM	50	24	21.50	21.51	21.42			
20	16QAM	50	50	21.50	21.44	21.46			
20	16QAM	100	0	21.51	21.47	21.44			
20	64QAM	1	0	21.75	21.76	21.68	22.5	2	
20	64QAM	1	49	21.79	21.61	21.71			
20	64QAM	1	99	21.70	21.52	21.65			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45	21.5	3	
20	64QAM	50	50	20.58	20.50	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.51	23.66	23.43			
15	QPSK	1	37	23.37	23.63	23.45			
15	QPSK	1	74	23.33	23.44	23.49			
15	QPSK	36	0	22.50	22.46	22.50	23.5	1	
15	QPSK	36	20	22.43	22.48	22.32			
15	QPSK	36	39	22.44	22.42	22.36			
15	QPSK	75	0	22.39	22.44	22.36			
15	16QAM	1	0	22.62	22.78	22.66	23.5	1	
15	16QAM	1	37	22.63	22.62	22.59			
15	16QAM	1	74	22.65	22.64	22.65			
15	16QAM	36	0	21.36	21.40	21.35			
15	16QAM	36	20	21.44	21.50	21.32	22.5	2	
15	16QAM	36	39	21.56	21.41	21.33			
15	16QAM	75	0	21.65	21.53	21.36			
15	64QAM	1	0	21.68	21.67	21.64			
15	64QAM	1	37	21.68	21.47	21.64	22.5	2	
15	64QAM	1	74	21.61	21.42	21.50			
15	64QAM	36	0	20.48	20.48	20.41			
15	64QAM	36	20	20.36	20.46	20.42			
15	64QAM	36	39	20.51	20.36	20.39	21.5	3	
15	64QAM	75	0	20.47	20.50	20.34			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.38	23.55	23.48			
10	QPSK	1	25	23.45	23.63	23.38			
10	QPSK	1	49	23.24	23.50	23.50			
10	QPSK	25	0	22.46	22.58	22.48	23.5	1	
10	QPSK	25	12	22.41	22.43	22.31			
10	QPSK	25	25	22.42	22.42	22.36			
10	QPSK	50	0	22.36	22.50	22.41			
10	16QAM	1	0	22.50	22.77	22.65	23.5	1	
10	16QAM	1	25	22.64	22.51	22.65			
10	16QAM	1	49	22.75	22.60	22.65			
10	16QAM	25	0	21.44	21.39	21.41			
10	16QAM	25	12	21.44	21.39	21.37	22.5	2	
10	16QAM	25	25	21.50	21.36	21.38			
10	16QAM	50	0	21.36	21.45	21.37			
10	64QAM	1	0	21.69	21.65	21.63			
10	64QAM	1	25	21.68	21.52	21.65	22.5	2	
10	64QAM	1	49	21.68	21.49	21.62			
10	64QAM	25	0	20.48	20.41	20.33			
10	64QAM	25	12	20.39	20.42	20.34			
10	64QAM	25	25	20.46	20.40	20.36	21.5	3	
10	64QAM	50	0	20.45	20.46	20.32			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2536	2567.5	24.5	0	
5	QPSK	1	0	23.40	23.66	23.41			
5	QPSK	1	12	23.41	23.62	23.38			
5	QPSK	1	24	23.28	23.38	23.40			
5	QPSK	12	0	22.41	22.48	22.36	23.5	1	
5	QPSK	12	7	22.47	22.48	22.36			
5	QPSK	12	13	22.48	22.43	22.32			
5	QPSK	25	0	22.44	22.44	22.34			
5	16QAM	1	0	22.62	22.78	22.65	23.5	1	
5	16QAM	1	12	21.44	21.39	21.41			
5	16QAM	1	24	22.69	22.62	22.72			
5	16QAM	12	0	21.50	21.45	21.40			
5	16QAM	12	7	21.38	21.50	21.40	22.5	2	
5	16QAM	12	13	21.49	21.35	21.31			
5	16QAM	25	0	21.38	21.41	21.41			
5	64QAM	1	0	21.62	21.67	21.65			
5	64QAM	1	12	21.75	21.46	21.56	22.5	2	
5	64QAM	1	24	21.68	21.39	21.55			
5	64QAM	12	0	20.46	20.43	20.34			
5	64QAM	12	7	20.40	20.41	20.42			
5	64QAM	12	13	20.49	20.40	20.36	21.5	3	
5	64QAM	25	0	20.40	20.41	20.27			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.60				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5 <th colspan="2" rowspan="3">0</th>	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37	23.5	1		
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81	22.5	2		
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5 <th colspan="2" rowspan="3">0</th>	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1		
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1		
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2		
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	2		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23750	23790	23800						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.35	23.40	23.38	24.5	0				
10	QPSK	1	25	23.33	23.38	23.20						
10	QPSK	1	49	23.30	23.23	23.34						
10	QPSK	25	0	22.31	22.33	22.28						
10	QPSK	25	12	22.25	22.31	22.25	23.5	1				
10	QPSK	25	25	22.29	22.21	22.25						
10	QPSK	50	0	22.25	22.25	22.21						
10	16QAM	1	0	22.45	22.25	22.50						
10	16QAM	1	25	22.58	22.41	22.60	23.5	1				
10	16QAM	1	49	22.43	22.42	22.61						
10	16QAM	25	0	21.19	21.21	21.19						
10	16QAM	25	12	21.18	21.32	21.23						
10	16QAM	25	25	21.22	21.27	21.18	22.5	2				
10	16QAM	50	0	21.20	21.29	21.19						
10	64QAM	1	0	21.46	21.32	21.38						
10	64QAM	1	25	21.40	21.52	21.54						
10	64QAM	1	49	21.52	21.34	21.56	22.5	2				
10	64QAM	25	0	20.30	20.18	20.25						
10	64QAM	25	12	20.23	20.22	20.29						
10	64QAM	25	25	20.32	20.22	20.26						
10	64QAM	50	0	20.23	20.20	20.24	21.5	3				
Channel				23755	23790	23825						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.33	23.35	23.23				23.5	0	
5	QPSK	1	12	23.33	23.35	23.09						
5	QPSK	1	24	23.26	23.10	23.24						
5	QPSK	12	0	22.26	22.18	22.22						
5	QPSK	12	7	22.16	22.27	22.18	23.5	1				
5	QPSK	12	13	22.16	22.18	22.22						
5	QPSK	25	0	22.17	22.23	22.12						
5	16QAM	1	0	22.39	22.17	22.48						
5	16QAM	1	12	22.57	22.40	22.52	23.5	1				
5	16QAM	1	24	22.41	22.19	22.46						
5	16QAM	12	0	21.12	21.14	21.07						
5	16QAM	12	7	21.12	21.19	21.11						
5	16QAM	12	13	21.11	21.15	21.09	22.5	2				
5	16QAM	25	0	21.14	21.24	21.12						
5	64QAM	1	0	21.45	21.20	21.35						
5	64QAM	1	12	21.29	21.40	21.44						
5	64QAM	1	24	21.44	21.27	21.56	22.5	2				
5	64QAM	12	0	20.17	20.17	20.09						
5	64QAM	12	7	20.21	20.10	20.23						
5	64QAM	12	13	20.23	20.19	20.24						
5	64QAM	25	0	20.17	20.06	20.13	21.5	3				

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	24.5	0	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.83	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	64QAM	1	37	22.08	21.94	22.05			
15	64QAM	1	74	22.13	22.15	22.06	21.5	3	
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87			
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77			
10	QPSK	1	25	23.64	23.84	23.68	24.5	0	
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75			
10	QPSK	25	12	22.68	22.78	22.65	23.5	1	
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68			
10	16QAM	1	0	22.95	23.03	23.10	23.5	1	
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.96	23.01	23.05			
10	16QAM	25	0	21.52	21.67	21.75	22.5	2	
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71			
10	16QAM	50	0	21.74	21.73	21.88	22.5	2	
10	64QAM	1	0	21.89	22.04	22.02			
10	64QAM	1	25	21.98	21.92	21.97			
10	64QAM	1	49	22.00	22.05	22.05	21.5	3	
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84			
10	64QAM	25	25	20.71	20.79	20.85	21.5	3	
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.70	23.90	23.77			
5	QPSK	1	12	23.70	23.86	23.81	24.5	0	
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72			
5	QPSK	12	7	22.61	22.68	22.66	23.5	1	
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78			
5	16QAM	1	0	22.96	22.95	23.05	23.5	1	
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06			
5	16QAM	12	0	21.60	21.64	21.80	22.5	2	
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.79			
5	16QAM	25	0	21.66	21.76	21.89	22.5	2	
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94			
5	64QAM	1	24	22.05	22.09	22.04	21.5	3	
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78			
5	64QAM	12	13	20.74	20.78	20.80	21.5	3	
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.73			
3	QPSK	1	8	23.61	23.82	23.72	24.5	0	
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71			
3	QPSK	8	4	22.63	22.76	22.75	23.5	1	
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76			
3	16QAM	1	0	22.85	23.03	23.09	23.5	1	
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.97			
3	16QAM	8	0	21.50	21.63	21.79	22.5	2	
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76			
3	16QAM	15	0	21.63	21.73	21.78	22.5	2	
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95			
3	64QAM	1	14	22.00	22.08	22.00	21.5	3	
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78			
3	64QAM	8	7	20.71	20.74	20.80	21.5	3	
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77			
1.4	QPSK	1	3	23.59	23.79	23.73	24.5	0	
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.77			
1.4	QPSK	3	1	23.63	23.78	23.72	23.5	1	
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76			
1.4	16QAM	1	0	22.87	23.02	23.03	23.5	1	
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97			
1.4	16QAM	3	0	22.95	22.94	23.10	22.5	2	
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97			
1.4	16QAM	6	0	21.71	21.76	21.81	22.5	2	
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00			
1.4	64QAM	1	5	22.01	22.08	22.01	22.5	2	
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93			
1.4	64QAM	3	3	22.10	22.09	21.97	21.5	3	
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	24.5	0	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	15	0	22.80	22.62	22.58	23.5	1	
15	16QAM	1	0	22.77	23.00	23.02			
15	16QAM	1	37	23.00	22.97	22.93			
15	16QAM	1	74	22.85	22.96	22.82	22.5	2	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	2	
15	16QAM	75	0	21.63	21.48	21.59			
15	16QAM	1	0	21.63	21.37	21.52			
15	64QAM	1	37	21.62	21.60	21.57	21.5	3	
15	64QAM	1	74	21.59	21.56	21.60			
15	64QAM	36	0	20.60	20.52	20.54			
15	64QAM	36	20	20.60	20.49	20.57	21.5	3	
15	64QAM	36	39	20.51	20.55	20.58			
15	64QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.69	23.67	23.63	24.5	0	
10	QPSK	1	25	23.40	23.54	23.55			
10	QPSK	1	49	23.33	23.44	23.65			
10	QPSK	25	0	22.56	22.54	22.46	23.5	1	
10	QPSK	25	12	22.57	22.44	22.51			
10	QPSK	25	25	22.42	22.37	22.36			
10	QPSK	50	0	22.56	22.55	22.44	23.5	1	
10	16QAM	1	0	22.71	22.88	22.82			
10	16QAM	1	25	22.92	22.82	22.78			
10	16QAM	1	49	22.77	22.92	22.81	22.5	2	
10	16QAM	25	0	21.49	21.52	21.38			
10	16QAM	25	12	21.56	21.38	21.44			
10	16QAM	25	25	21.52	21.45	21.44	21.5	3	
10	16QAM	50	0	21.42	21.47	21.49			
10	64QAM	1	0	21.51	21.33	21.41			
10	64QAM	1	25	21.52	21.46	21.42	22.5	2	
10	64QAM	1	49	21.56	21.51	21.45			
10	64QAM	25	0	20.42	20.46	20.46			
10	64QAM	25	12	20.49	20.35	20.43	21.5	3	
10	64QAM	25	25	20.42	20.50	20.46			
10	64QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.71	23.63	24.5	0	
5	QPSK	1	12	23.36	23.52	23.57			
5	QPSK	1	24	23.32	23.46	23.64			
5	QPSK	12	0	22.58	22.64	22.62	23.5	1	
5	QPSK	12	7	22.45	22.41	22.50			
5	QPSK	12	13	22.43	22.51	22.40			
5	QPSK	25	0	22.51	22.49	22.55	23.5	1	
5	16QAM	1	0	22.62	22.97	22.90			
5	16QAM	1	12	22.96	22.82	22.87			
5	16QAM	1	24	22.79	22.95	22.76	22.5	2	
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	2	
5	16QAM	25	0	21.43	21.24	21.45			
5	64QAM	1	0	21.49	21.25	21.43			
5	64QAM	1	12	21.49	21.52	21.43	21.5	3	
5	64QAM	1	24	21.45	21.44	21.49			
5	64QAM	12	0	20.59	20.38	20.39			
5	64QAM	12	7	20.59	20.34	20.43	21.5	3	
5	64QAM	12	13	20.39	20.46	20.48			
5	64QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.61	23.63	23.55	24.5	0	
3	QPSK	1	8	23.32	23.48	23.46			
3	QPSK	1	14	23.34	23.53	23.58			
3	QPSK	8	0	22.56	22.51	22.54	23.5	1	
3	QPSK	8	4	22.48	22.41	22.39			
3	QPSK	15	0	22.49	22.56	22.49			
3	16QAM	1	0	22.68	22.92	22.91	23.5	1	
3	16QAM	1	8	22.59	22.87	22.84			
3	16QAM	1	14	22.84	22.92	22.74			
3	16QAM	8	0	21.53	21.40	21.42	22.5	2	
3	16QAM	8	4	21.55	21.45	21.38			
3	16QAM	8	7	21.41	21.41	21.42			
3	16QAM	15	0	21.44	21.37	21.45	22.5	2	
3	64QAM	1	0	21.48	21.31	21.51			
3	64QAM	1	8	21.56	21.56	21.44			
3	64QAM	1	14	21.46	21.53	21.49	21.5	3	
3	64QAM	8	0	20.48	20.49	20.47			
3	64QAM	8	4	20.46	20.47	20.49			
3	64QAM	8	7	20.42	20.33	20.55	21.5	3	
3	64QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.71	23.60	23.57	24.5	0	
1.4	QPSK	1	3	23.46	23.45	23.48			
1.4	QPSK	1	5	23.39	23.57	23.54			
1.4	QPSK	3	0	23.58	23.66	23.59	23.5	1	
1.4	QPSK	3	1	23.46	23.56	23.46			
1.4	QPSK	3	3	23.43	23.50	23.53			
1.4	QPSK	6	0	22.55	22.53	22.55	23.5	1	
1.4	16QAM	1	0	22.65	22.98	22.95			
1.4	16QAM	1	3	22.96	22.94	22.80			
1.4	16QAM	1	5	22.75	22.94	22.81	23.5	1	
1.4	16QAM	3	1	22.90	22.87	22.90			
1.4	16QAM	3	3	22.84	22.89	22.74			
1.4	16QAM	6	0	21.56	21.56	21.46	22.5	2	
1.4	64QAM	1	0	21.53	21.29	21.42			
1.4	64QAM	1	3	21.57	21.59	21.55			
1.4	64QAM	3	0	21.57	21.32	21.39	22.5	2	
1.4	64QAM	3	1	21.53	21.54	21.52			
1.4	64QAM	3	3	21.51	21.41	21.55			
1.4	64QAM	6	0	20.48	20.43	20.49	21.5	3	

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.36	23.42			
15	QPSK	1	37	23.24	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.29	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.26	23.29	23.31			
10	QPSK	1	25	23.21	23.26	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.30	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	22.5	2	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.25	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.33	23.43			
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.48			
5	16QAM	1	24	22.27	22.40	22.55	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.42	23.37	23.39			
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.24			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.41	23.38	23.39			
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM		3	22.52	22.15	22.56	23.5	1	
1.4	16QAM		5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.40	22.44			
1.4	16QAM	3	1	22.55	22.26	22.58	22.5	2	
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2	
1.4	64QAM	1	5	21.38	21.41	21.52			
1.4	64QAM	3	0	21.47	21.57	21.44			
1.4	64QAM	3	1	21.64	21.58	21.49	21.5	3	
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.36			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.73	21.76	21.72	23	0	
20	QPSK	1	49	21.66	21.58	21.66			
20	QPSK	1	99	21.63	21.75	21.64			
20	QPSK	50	0	21.69	21.75	21.65			
20	QPSK	50	24	21.58	21.67	21.53	23	0	
20	QPSK	50	50	21.56	21.72	21.81			
20	QPSK	100	0	21.61	21.68	21.63			
20	16QAM	1	0	21.58	21.75	21.66			
20	16QAM	1	49	21.59	21.45	21.63	23	0	
20	16QAM	1	99	21.56	21.66	21.49			
20	16QAM	50	0	21.18	21.18	21.22			
20	16QAM	50	24	21.11	21.21	21.32			
20	16QAM	100	0	21.15	21.24	21.37	22.5	0.5	
20	16QAM	100	0	21.10	21.18	21.29			
20	64QAM	1	0	20.74	20.84	20.90			
20	64QAM	1	49	20.95	21.05	21.06			
20	64QAM	1	99	21.01	20.99	21.12	22.5	0.5	
20	64QAM	50	0	20.16	20.17	20.21			
20	64QAM	50	24	20.15	20.22	20.31			
20	64QAM	50	50	20.23	20.26	20.40			
20	64QAM	100	0	20.18	20.21	20.29	21.5	1.5	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
15	QPSK	1	0	21.71	21.71	21.67	23	0	
15	QPSK	1	37	21.55	21.51	21.59			
15	QPSK	1	74	21.51	21.73	21.59			
15	QPSK	36	0	21.61	21.62	21.56			
15	QPSK	36	0	21.54	21.51	21.41	23	0	
15	QPSK	36	39	21.51	21.62	21.49			
15	QPSK	75	0	21.49	21.63	21.54			
15	16QAM	1	0	21.46	21.69	21.64			
15	16QAM	1	37	21.57	21.36	21.49	23	0	
15	16QAM	1	74	21.44	21.51	21.45			
15	16QAM	36	0	21.07	21.07	21.09			
15	16QAM	36	20	21.04	21.13	21.28			
15	16QAM	36	39	21.03	21.17	21.29	22.5	0.5	
15	16QAM	75	0	21.01	21.16	21.23			
15	64QAM	1	0	20.68	20.72	20.83			
15	64QAM	1	37	20.88	20.93	20.99			
15	64QAM	1	74	20.95	20.93	21.10	22.5	0.5	
15	64QAM	36	0	20.07	20.16	20.19			
15	64QAM	36	20	20.01	20.15	20.21			
15	64QAM	36	39	20.16	20.12	20.33			
15	64QAM	75	0	20.13	20.18	20.26	21.5	1.5	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.70	21.71	21.69	23	0	
10	QPSK	1	25	21.62	21.47	21.63			
10	QPSK	1	49	21.57	21.66	21.56			
10	QPSK	25	0	21.56	21.52	21.56			
10	QPSK	25	12	21.48	21.55	21.45	23	0	
10	QPSK	25	25	21.52	21.71	21.56			
10	QPSK	50	0	21.46	21.56	21.51			
10	16QAM	1	0	21.49	21.74	21.60			
10	16QAM	1	25	21.56	21.39	21.61	23	0	
10	16QAM	1	49	21.54	21.65	21.36			
10	16QAM	25	0	21.07	21.16	21.08			
10	16QAM	25	12	21.06	21.20	21.31			
10	16QAM	25	25	21.02	21.23	21.34	22.5	0.5	
10	16QAM	50	0	21.03	21.03	21.18			
10	64QAM	1	0	20.67	20.71	20.82			
10	64QAM	1	25	20.81	20.92	20.99			
10	64QAM	1	49	21.00	20.91	21.02	22.5	0.5	
10	64QAM	25	0	20.10	20.14	20.19			
10	64QAM	25	12	20.02	20.12	20.25			
10	64QAM	25	25	20.16	20.20	20.36			
10	64QAM	50	0	20.07	20.10	20.27	21.5	1.5	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.65	21.68	21.66	23	0	
5	QPSK	1	12	21.57	21.45	21.51			
5	QPSK	1	24	21.59	21.74	21.55			
5	QPSK	12	0	21.54	21.58	21.60			
5	QPSK	12	7	21.47	21.42	21.46	23	0	
5	QPSK	12	13	21.52	21.61	21.51			
5	QPSK	25	0	21.54	21.57	21.55			
5	16QAM	1	0	21.52	21.63	21.59			
5	16QAM	1	12	21.49	21.38	21.51	23	0	
5	16QAM	1	24	21.42	21.55	21.39			
5	16QAM	12	0	21.03	21.06	21.16			
5	16QAM	12	7	21.03	21.10	21.22			
5	16QAM	12	13	21.08	21.13	21.22	22.5	0.5	
5	16QAM	25	0	21.00	21.04	21.23			
5	64QAM	1	0	20.72	20.81	20.84			
5	64QAM	1	12	20.91	20.96	21.03			
5	64QAM	1	24	20.96	20.87	20.98	22.5	0.5	
5	64QAM	12	0	20.12	20.12	20.20			
5	64QAM	12	7	20.07	20.07	20.16			
5	64QAM	12	13	20.12	20.19	20.29			
5	64QAM	25	0	20.04	20.19	20.23	21.5	1.5	

Band 38_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	23.02	23.74	23.05	24.5	0				
20	QPSK	1	49	23.52	23.74	23.56						
20	QPSK	1	99	23.58	23.70	23.57						
20	QPSK	50	0	22.55	22.63	22.57	23.5	1				
20	QPSK	50	24	22.51	22.60	22.55						
20	QPSK	50	50	22.50	22.81	22.53						
20	QPSK	100	0	22.53	22.61	22.53	23.5	1				
20	16QAM	1	0	22.56	22.64	22.58						
20	16QAM	1	49	22.57	22.70	22.64						
20	16QAM	50	0	21.56	21.57	21.56	22.5	2				
20	16QAM	50	24	21.57	21.62	21.57						
20	16QAM	50	50	21.60	21.61	21.51						
20	16QAM	100	0	21.56	21.59	21.55	22.5	2				
20	64QAM	1	0	21.35	21.32	21.30						
20	64QAM	1	49	21.30	21.42	21.41						
20	64QAM	1	99	21.43	21.36	21.17	21.5	3				
20	64QAM	50	0	20.56	20.61	20.60						
20	64QAM	50	24	20.59	20.81	20.57						
20	64QAM	50	50	20.63	20.65	20.55	21.5	3				
20	64QAM	100	0	20.60	20.61	20.57						
Channel				37825	38000	38175						
Frequency (MHz)				2587.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	23.02	23.63	23.02	24.5	0				
15	QPSK	1	37	23.47	23.62	23.55						
15	QPSK	1	74	23.46	23.55	23.54						
15	QPSK	36	0	22.42	22.50	22.52	23.5	1				
15	QPSK	36	39	22.44	22.50	22.40						
15	QPSK	75	0	22.42	22.56	22.43						
15	16QAM	1	0	22.53	22.59	22.42	23.5	1				
15	16QAM	1	37	22.55	22.69	22.58						
15	16QAM	74	0	22.65	22.60	22.39						
15	16QAM	36	0	21.54	21.51	21.58	22.5	2				
15	16QAM	36	39	21.46	21.56	21.44						
15	16QAM	74	0	21.50	21.44	21.47						
15	64QAM	1	0	21.33	21.22	21.27	22.5	2				
15	64QAM	1	37	21.17	21.29	21.27						
15	64QAM	1	74	21.34	21.32	21.07						
15	64QAM	36	0	20.57	20.60	20.51	21.5	3				
15	64QAM	36	39	20.57	20.80	20.44						
15	64QAM	36	75	20.58	20.64	20.41						
15	64QAM	75	0	20.55	20.56	20.56	21.5	3				
Channel				37875	38000	38175						
Frequency (MHz)				2592.5	2595	2615				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.45	23.70	23.55	24.5	0				
10	QPSK	1	25	23.45	23.83	23.47						
10	QPSK	1	49	23.46	23.65	23.49						
10	QPSK	25	0	22.41	22.54	22.53	23.5	1				
10	QPSK	25	12	22.39	22.38	22.48						
10	QPSK	25	25	22.45	22.47	22.49						
10	QPSK	50	0	22.45	22.49	22.44	23.5	1				
10	16QAM	1	0	22.46	22.57	22.51						
10	16QAM	1	49	22.47	22.54	22.58						
10	16QAM	1	49	22.65	22.52	22.48	22.5	2				
10	16QAM	25	0	21.50	21.49	21.56						
10	16QAM	25	12	21.48	21.50	21.55						
10	16QAM	25	25	21.56	21.57	21.49	21.5	3				
10	16QAM	50	0	21.42	21.56	21.40						
10	64QAM	1	0	21.27	21.26	21.40						
10	64QAM	1	25	21.19	21.39	21.32	21.5	3				
10	64QAM	1	49	21.42	21.40	21.35						
10	64QAM	25	0	20.44	20.56	20.47						
10	64QAM	25	12	20.57	20.54	20.48	21.5	3				
10	64QAM	25	25	20.54	20.58	20.52						
10	64QAM	50	0	20.54	20.59	20.44						
Channel				37775	38000	38175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2585	2617.5						
5	QPSK	1	0	23.52	23.68	23.58	24.5	0				
5	QPSK	1	12	23.51	23.83	23.56						
5	QPSK	1	24	23.43	23.57	23.45						
5	QPSK	12	0	22.51	22.57	22.57	23.5	1				
5	QPSK	12	7	22.47	22.57	22.49						
5	QPSK	12	13	22.43	22.53	22.41						
5	QPSK	25	0	22.39	22.47	22.46	23.5	1				
5	16QAM	1	0	22.41	22.52	22.45						
5	16QAM	1	12	22.64	22.58	22.53						
5	16QAM	1	24	22.65	22.53	22.43	22.5	2				
5	16QAM	12	0	21.52	21.50	21.50						
5	16QAM	12	13	21.56	21.56	21.56						
5	16QAM	12	24	21.56	21.56	21.38	22.5	2				
5	16QAM	25	0	21.44	21.48	21.49						
5	64QAM	1	0	21.20	21.31	21.27						
5	64QAM	1	12	21.19	21.34	21.28	22.5	2				
5	64QAM	1	24	21.17	21.35	21.28						
5	64QAM	12	0	20.50	20.58	20.51						
5	64QAM	12	7	20.51	20.55	20.42	21.5	3				
5	64QAM	12	13	20.51	20.56	20.47						
5	64QAM	12	24	20.51	20.56	20.47						

Band 41_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	21.70	21.70	22.00	21.85	21.92					
20	QPSK	1	49	21.72	21.57	21.96	21.79	21.78	23	0			
20	QPSK	1	99	21.74	21.57	21.96	21.74	21.90					
20	QPSK	50	0	21.75	21.58	21.99	21.72	21.81					
20	QPSK	50	24	21.67	21.55	21.94	21.69	21.78	23	0			
20	QPSK	50	50	21.73	21.55	21.83	21.69	21.78					
20	QPSK	100	0	21.70	21.59	21.86	21.81	21.83					
20	16QAM	1	0	21.65	21.57	21.98	21.81	21.87					
20	16QAM	1	49	21.65	21.56	21.82	21.72	21.64					
20	16QAM	1	99	21.70	21.49	21.82	21.65	21.88					
20	16QAM	50	0	21.01	20.95	21.40	21.04	21.35					
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.36	22.5	0.5			
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42					
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26					
20	64QAM	1	0	20.82	20.56	21.10	20.78	21.01					
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12	22.5	0.5			
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19					
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32					
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32	21.5	1.5			
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35					
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35					
Channel				39725	40173	40620	41093	41515	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2501.5	2545.3	2593	2637.8	2682.5					
15	QPSK	1	0	21.68	21.59	21.95	21.73	21.87					
15	QPSK	1	37	21.59	21.47	21.93	21.78	21.73	23	0			
15	QPSK	1	74	21.73	21.54	21.81	21.66	21.78					
15	QPSK	36	0	21.65	21.56	21.92	21.61	21.72					
15	QPSK	36	0	21.58	21.40	21.98	21.57	21.68	23	0			
15	QPSK	36	39	21.59	21.52	21.74	21.65	21.65					
15	QPSK	75	0	21.63	21.44	21.77	21.75	21.74					
15	16QAM	1	0	21.51	21.51	21.87	21.79	21.72					
15	16QAM	1	37	21.50	21.46	21.86	21.68	21.78					
15	16QAM	1	74	21.63	21.39	21.77	21.50	21.85					
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26					
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.37	22.5	0.5			
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32					
15	16QAM	75	0	20.93	20.83	21.09	21.22	21.38					
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06					
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08	22.5	0.5			
15	64QAM	1	74	20.55	20.88	20.88	21.05	20.94	22.5	0.5			
15	64QAM	36	0	19.83	19.79	20.86	20.16	20.12					
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41	21.5	1.5			
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31					
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41					
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	21.75	21.58	21.88	21.81	21.61					
10	QPSK	1	25	21.57	21.42	21.86	21.75	21.77	23	0			
10	QPSK	1	49	21.61	21.54	21.91	21.67	21.88					
10	QPSK	25	0	21.60	21.53	21.88	21.61	21.75					
10	QPSK	25	12	21.59	21.43	21.83	21.58	21.72					
10	QPSK	25	25	21.68	21.47	21.70	21.64	21.75					
10	QPSK	50	0	21.59	21.47	21.77	21.77	21.68					
10	16QAM	1	0	21.54	21.44	21.93	21.79	21.86					
10	16QAM	1	25	21.50	21.44	21.71	21.59	21.51	23	0			
10	16QAM	1	49	21.61	21.37	21.70	21.59	21.76					
10	16QAM	25	0	20.76	20.69	20.96	21.30	21.29					
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28	22.5	0.5			
10	16QAM	25	25	20.86	20.91	21.17	21.33	21.34					
10	16QAM	50	0	20.88	20.86	20.98	21.18	21.39					
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02					
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03	22.5	0.5			
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20					
10	64QAM	25	0	19.92	19.86	20.08	20.29	20.32					
10	64QAM	25	12	19.93	19.83	20.07	20.21	20.36	21.5	1.5			
10	64QAM	25	25	19.92	19.81	20.12	20.26	20.40					
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38					
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	21.74	21.60	21.85	21.79	21.91					
5	QPSK	1	12	21.66	21.54	21.93	21.66	21.70	23	0			
5	QPSK	1	24	21.67	21.56	21.85	21.68	21.78					
5	QPSK	12	7	21.71	21.55	21.94	21.68	21.77					
5	QPSK	12	7	21.52	21.48	21.79	21.64	21.73					
5	QPSK	12	13	21.63	21.41	21.74	21.58	21.66					
5	QPSK	25	0	21.68	21.45	21.81	21.72	21.77					
5	16QAM	1	0	21.56	21.48	21.90	21.69	21.74					
5	16QAM	1	12	21.58	21.43	21.76	21.71	21.53	23	0			
5	16QAM	1	24	21.63	21.41	21.67	21.53	21.82					
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.29					
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29	22.5	0.5			
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28					
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47					
5	64QAM	1	0	20.70	21.90	20.76	20.90	20.97					
5	64QAM	1	12	20.82	20.68	20.84	21.11	21.11	22.5	0.5			
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98					
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29					
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34	21.5	1.5			
5	64QAM	12	13	19.94	19.82	20.06	20.22	20.31					
5	64QAM	25	0	19.93	19.86	20.10	20.22	20.38					

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	17.95	17.83	17.80	17.72	18.5	0	20	QPSK	1	49	22.49	22.39	22.50	22.32	23	0	20	QPSK	1	49	22.41	22.44	22.39	22.23	23	0
20	QPSK	1	99	17.76	17.66	17.75	17.68	18.5	0	20	QPSK	1	99	22.51	22.38	22.50	22.30	23	0	20	QPSK	1	99	22.21	22.38	22.32	22.37	23	0
20	QPSK	50	0	17.81	17.80	17.70	17.75	18.5	0	20	QPSK	50	0	21.57	21.42	21.55	21.40	22	1	20	QPSK	50	0	21.47	21.42	21.38	21.45	22	1
20	QPSK	50	24	17.83	17.71	17.62	17.73	18.5	0	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.32	21.39	22	1
20	QPSK	50	50	17.77	17.78	17.67	17.84	18.5	0	20	QPSK	50	50	21.48	21.37	21.42	21.27	22	1	20	QPSK	50	50	21.31	21.32	21.32	21.33	22	1
20	QPSK	100	0	17.86	17.84	17.62	17.78	18.5	0	20	QPSK	100	0	21.55	21.31	21.44	21.26	22	1	20	QPSK	100	0	21.46	21.44	21.31	21.41	22	1
20	16QAM	1	0	17.82	17.81	17.57	17.83	18.5	0	20	16QAM	1	0	21.53	21.32	21.47	21.29	22	1	20	16QAM	1	0	21.43	21.48	21.44	21.47	21	2
20	16QAM	1	49	17.75	17.78	17.73	17.77	18.5	0	20	16QAM	1	49	21.45	21.38	21.44	21.37	22	1	20	16QAM	1	49	21.32	21.37	21.31	21.46	21	2
20	16QAM	1	99	17.73	17.70	17.67	17.79	18.5	0	20	16QAM	1	99	21.50	21.28	21.44	21.26	22	1	20	16QAM	1	99	21.27	21.52	21.48	21.49	21	2
20	16QAM	50	0	17.71	17.69	17.67	17.76	18.5	0	20	16QAM	50	0	20.65	20.38	20.53	20.43	21	2	20	16QAM	50	0	20.29	20.37	20.33	20.48	21	2
20	16QAM	50	24	17.77	17.72	17.76	17.78	18.5	0	20	16QAM	50	24	20.44	20.33	20.44	20.34	21	2	20	16QAM	50	24	20.29	20.44	20.35	20.46	21	2
20	16QAM	50	50	17.80	17.74	17.64	17.81	18.5	0	20	16QAM	50	50	20.53	20.29	20.52	20.30	21	2	20	16QAM	50	50	20.25	20.42	20.31	20.51	21	2
20	16QAM	100	0	17.86	17.78	17.75	17.86	18.5	0	20	16QAM	100	0	20.47	20.30	20.42	20.41	21	2	20	16QAM	100	0	20.25	20.39	20.32	20.48	21	2
20	64QAM	1	0	17.70	17.67	17.64	17.87	18.5	0	20	64QAM	1	0	20.54	20.27	20.45	20.39	21	2	20	64QAM	1	0	19.92	19.98	19.95	20.07	21	2
20	64QAM	1	49	17.74	17.79	17.72	17.77	18.5	0	20	64QAM	1	49	20.46	20.29	20.50	20.31	21	2	20	64QAM	1	49	19.88	20.06	19.97	20.11	21	2
20	64QAM	1	99	17.75	17.87	17.83	17.84	18.5	0	20	64QAM	1	99	20.46	20.35	20.52	20.42	21	2	20	64QAM	1	99	19.86	20.02	19.89	20.05	21	2
20	64QAM	50	0	17.65	17.70	17.65	17.80	18.5	0	20	64QAM	50	0	19.60	19.44	19.58	19.45	20	3	20	64QAM	50	0	19.32	19.38	19.35	19.46	21	2
20	64QAM	50	24	17.76	17.75	17.71	17.85	18.5	0	20	64QAM	50	24	19.59	19.41	19.49	19.30	20	3	20	64QAM	50	24	19.28	19.44	19.35	19.51	21	2
20	64QAM	50	50	17.76	17.66	17.71	17.89	18.5	0	20	64QAM	50	50	19.53	19.32	19.51	19.38	20	3	20	64QAM	50	50	19.17	19.43	19.31	19.53	21	2
20	64QAM	100	0	17.87	17.71	17.66	17.79	18.5	0	20	64QAM	100	0	19.54	19.40	19.45	19.31	20	3	20	64QAM	100	0	19.22	19.39	19.37	19.49	21	2
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	17.93	17.71	17.74	17.74	18.5	0	15	QPSK	1	0	22.48	22.19	22.45	22.43	23	0	15	QPSK	1	0	22.38	22.21	22.21	22.18	23	0
15	QPSK	1	37	17.74	17.62	17.64	17.62	18.5	0	15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	15	QPSK	1	37	22.17	22.24	22.11	22.26	23	0
15	QPSK	1	74	17.68	17.61	17.68	17.60	18.5	0	15	QPSK	1	74	22.45	22.09	22.47	22.19	23	0	15	QPSK	1	74	22.03	22.31	22.17	22.29	23	0
15	QPSK	36	0	17.85	17.69	17.68	17.69	18.5	0	15	QPSK	36	0	21.46	21.22	21.40	21.39	22	1	15	QPSK	36	0	21.23	21.27	21.26	21.21	22	1
15	QPSK	36	20	17.75	17.57	17.47	17.67	18.5	0	15	QPSK	36	20	21.36	20.99	21.39	21.28	22	1	15	QPSK	36	20	21.22	21.20	21.09	21.24	22	1
15	QPSK	36	39	17.64	17.77	17.57	17.53	18.5	0	15	QPSK	36	39	21.45	21.13	21.27	21.24	22	1	15	QPSK	36	39	21.12	21.20	21.18	21.19	22	1
15	QPSK	75	0	17.87	17.80	17.47	17.72	18.5	0	15	QPSK	75	0	21.47	21.05	21.36	21.31	22	1	15	QPSK	75	0	21.32	21.39	21.17	21.31	22	1
15	16QAM	1	0	17.81	17.73	17.56	17.77	18.5	0	15	16QAM	1	0	21.45	21.11	21.38	21.14	22	1	15	16QAM	1	0	21.30	21.36	21.23	21.28	22	1
15	16QAM	1	37	17.68	17.76	17.72	17.72	18.5	0	15	16QAM	1	37	21.42	21.19	21.39	21.14	22	1	15	16QAM	1	37	21.21	21.31	21.14	21.29	22	1
15	16QAM	1	74	17.69	17.63	17.66	17.67	18.5	0	15	16QAM	1	74	21.43	21.10	21.29	21.29	22	1	15	16QAM	1	74	21.08	21.41	21.41	21.29	22	1
15	16QAM	36	0	17.60	17.62	17.57	17.61	18.5	0	15	16QAM	36	0	20.54	20.17	20.50	20.42	21	2	15	16QAM	36	0	20.14	20.20	20.21	20.26	21	2
15	16QAM	36	20	17.64	17.70	17.70	17.51	18.5	0	15	16QAM	36	20	20.30	20.10	20.37	20.30	21	2	15	16QAM	36	20	20.06	20.24	20.16	20.32	21	2
15	16QAM	36	39	17.62	17.61	17.72	17.64	18.5	0	15	16QAM	36	39	20.26	20.04	20.59	20.27	21	2	15	16QAM	36	39	20.15	20.25	20.17	20.27	21	2
15	16QAM	75	0	17.74	17.75	17.68	17.54	18.5	0	15	16QAM	75	0	20.32	20.14	20.39	20.37	21	2	15	16QAM	75	0	20.09	20.16	20.22	20.32	21	2
15	64QAM	1	0	17.68	17.64	17.53	17.84	18.5	0	15	64QAM	1	0	20.50	20.01	20.35	20.26	21	2	15	64QAM	1	0	19.79	19.74	19.81	20.00	21	2
15	64QAM	1	37	17.62	17.76	17.58	17.71	18.5	0	15	64QAM	1	37	20.35	20.07	20.44	20.30	21	2	15	64QAM	1	37	19.74	19.83	19.82	19.83	21	2
15	64QAM	1	74	17.61	17.72	17.73	17.63	18.5	0	15	64QAM	1	74	20.36	20.16	20.41	20.34	21	2	15	64QAM	1	74	19.84	19.84	19.84	19.86	21	2
15	64QAM	36	0	17.67	17.68	17.51	17.74	18.5	0	15	64QAM	36	0	19.55	19.19	19.48	19.31	20	3	15	64QAM	36	0	19.11	19.19	19.30	19.41	21	2
15	64QAM	36	20	17.67	17.67	17.65	17.73	18.5	0	15	64QAM	36	20	19.45	19.17	19.45	19.28	20	3	15	64QAM	36	20	19.17	19.33	19.15	19.34	21	2
15	64QAM	36	39	17.63	17.60	17.57	17.75	18.5	0	15	64QAM	36	39	19.48	19.05	19.36	19.28	20	3	15	64QAM	36	39	18.92	19.18	19.07	19.35	21	2
15	64QAM	75	0	17.65	17.65	17.57	17.68	18.5	0	15	64QAM	75	0	19.62	19.12	19.42	19.30	20	3	15	64QAM	75	0	19.25	19.27	19.17	19.30	21	2
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	17.89	17.74	17.68	17.63	18.5	0	10	QPSK	1	0	22.47	22.20	22.49	22.37	23	0	10	QPSK	1	0	22.21	22.21	22.17	22.32	23	0
10	QPSK	1	25	17.80	17.65	17.50	17.65	18.5	0	10	QPSK	1	25	22.45	22.22	22.44	22.37	23	0	10	QPSK	1	25	22.33	22.19	22.20	22.29	23	0
10	QPSK	49	0	17.68	17.64	17.63	17.60	18.5	0	10	QPSK	1	49	22.43	22.19	22.39	22.15	23	0	10	QPSK	1	49	21.99	22.17	22.23	22.17	23	0
10	QPSK	25	0	17.85	17.68	17.60	17.70	18.5	0	10	QPSK	25	0	21.47	21.25	21.50	21.36	22	1	10	QPSK	25	0	21.35	21.27	21.35	21.27	22	1
10	QPSK	25	12	17.78	17.67	17.47	17.71	18.5	0	10	QPSK	25	12	21.39	21.03	21.29	21.31	22	1	10	QPSK	25	12	21.17	21.17	21.24	21.20	22	1
10	QPSK	25	25	17.73	17.75	17.63	17.53	18.5	0	10	QPSK	25	25	21.43	21.12	21.27	21.24	22	1	10	QPSK	25	25	21.21	21.15	21.19	21.28		

Part 96_Band 48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	24.5	0	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	23.36	23.07	23.26	23.18	24.5	0	
20	QPSK	1	49	23.25	22.97	23.23	23.10			
20	QPSK	1	99	23.22	22.97	23.24	23.07			
20	QPSK	50	0	22.35	22.14	22.26	22.22			
20	QPSK	50	24	22.27	21.99	22.11	22.16	23.5	1	
20	QPSK	50	50	22.29	22.10	22.17	22.10			
20	QPSK	100	0	22.33	22.09	22.09	22.17			
20	16QAM	1	49	22.31	22.01	22.21	22.18			
20	16QAM	1	99	22.22	22.06	22.14	22.14	22.5	2	
20	16QAM	50	0	21.28	21.03	21.17	21.15			
20	16QAM	50	24	21.17	20.91	21.06	21.11			
20	16QAM	50	50	21.23	21.06	21.07	21.03			
20	16QAM	100	0	21.26	20.88	21.05	21.13	22.5	2	
20	64QAM	1	0	21.25	20.91	21.07	21.02			
20	64QAM	1	49	21.14	20.97	21.02	21.14			
20	64QAM	1	99	21.22	20.95	21.02	21.10			
20	64QAM	50	0	20.33	20.09	20.20	20.19	21.5	3	
20	64QAM	50	24	20.31	19.96	20.13	20.13			
20	64QAM	50	50	20.21	19.97	20.07	20.07			
20	64QAM	100	0	20.26	19.98	20.07	20.15			
Channel				55315	55850	56160	56655	24.5	0	
Frequency (MHz)				3527.5	3609	3610	3692.5			
15	QPSK	1	0	23.27	22.94	23.13	23.04	24.5	0	
15	QPSK	1	37	23.16	22.89	23.15	22.96			
15	QPSK	1	74	23.07	22.89	23.11	22.92			
15	QPSK	36	0	22.28	22.13	22.20	22.20			
15	QPSK	36	20	22.14	21.90	22.07	22.02	23.5	1	
15	QPSK	36	39	22.21	22.00	22.06	22.00			
15	QPSK	75	0	22.30	22.04	22.00	22.07			
15	16QAM	1	0	22.17	22.03	21.95	22.08			
15	16QAM	1	37	22.26	21.96	22.19	22.04	23.5	1	
15	16QAM	1	74	22.19	21.94	22.02	22.07			
15	16QAM	36	0	21.18	20.91	21.16	21.14			
15	16QAM	36	20	21.05	20.79	21.05	21.09			
15	16QAM	36	39	21.15	20.96	20.97	20.96	22.5	2	
15	16QAM	75	0	21.21	20.97	20.94	20.90			
15	64QAM	1	0	21.14	20.77	20.94	20.93			
15	64QAM	1	37	21.01	20.85	21.00	21.13			
15	64QAM	1	74	21.15	20.91	20.92	21.08	21.5	3	
15	64QAM	36	0	20.26	19.97	20.06	20.16			
15	64QAM	36	20	20.26	19.81	20.11	20.00			
15	64QAM	36	39	20.15	19.91	19.94	20.06			
15	64QAM	75	0	20.18	19.95	19.97	20.08	24.5	0	
Channel				55290	55815	56165	56650			
Frequency (MHz)				3525	3597.5	3642.5	3695	24.5	0	
10	QPSK	1	0	23.28	22.98	23.20	23.12			
10	QPSK	1	25	23.19	22.83	23.11	23.05	24.5	0	
10	QPSK	1	49	23.07	22.83	23.23	22.97			
10	QPSK	25	0	22.24	22.11	22.08	22.12			
10	QPSK	25	12	22.15	21.93	22.04	22.02			
10	QPSK	25	25	22.23	22.04	22.13	21.96	23.5	1	
10	QPSK	50	0	22.30	21.98	21.97	22.10			
10	16QAM	1	0	22.16	21.92	22.06	22.01			
10	16QAM	1	25	22.15	21.97	22.07	22.04			
10	16QAM	1	49	22.10	22.05	22.07	22.11	23.5	1	
10	16QAM	25	0	21.24	20.92	21.07	21.00			
10	16QAM	25	12	21.07	20.77	20.96	21.05			
10	16QAM	25	25	21.14	20.91	21.02	20.95			
10	16QAM	50	0	21.22	20.81	20.99	21.03	22.5	2	
10	64QAM	1	0	21.17	20.81	20.97	20.90			
10	64QAM	1	25	20.99	20.90	20.89	21.13			
10	64QAM	1	49	21.19	20.88	20.97	21.09			
10	64QAM	25	0	20.30	19.94	20.08	20.07	21.5	3	
10	64QAM	25	12	20.22	19.92	20.01	19.96			
10	64QAM	25	25	20.12	19.92	19.96	19.92			
10	64QAM	50	0	20.18	19.84	19.97	20.02			
Channel				55265	55810	56170	56715	24.5	0	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	23.33	22.99	23.22	23.08	24.5	0	
5	QPSK	1	12	23.13	22.95	23.19	22.99			
5	QPSK	1	24	23.11	22.85	23.20	22.93			
5	QPSK	12	0	22.23	22.09	22.19	22.14			
5	QPSK	12	7	22.15	21.88	22.08	22.14	23.5	1	
5	QPSK	12	13	22.16	22.08	22.02	22.09			
5	QPSK	25	0	22.27	21.97	22.00	22.11			
5	16QAM	1	0	22.15	22.04	21.93	22.10			
5	16QAM	1	12	22.21	21.89	22.12	22.13	23.5	1	
5	16QAM	1	24	22.06	21.92	22.05	22.02			
5	16QAM	12	0	21.19	20.91	21.07	21.13			
5	16QAM	12	7	21.12	20.84	20.93	21.04			
5	16QAM	12	13	21.20	20.88	20.95	20.90	22.5	2	
5	16QAM	25	0	21.19	20.82	21.03	21.08			
5	64QAM	1	0	21.15	20.76	21.02	20.96			
5	64QAM	1	12	21.04	20.92	20.90	21.02			
5	64QAM	1	24	21.13	20.80	20.91	21.01	21.5	3	
5	64QAM	12	0	20.26	20.02	20.12	20.09			
5	64QAM	12	7	20.18	19.87	20.08	20.00			
5	64QAM	12	13	20.09	19.93	20.03	19.93			
5	64QAM	25	0	20.22	19.93	19.96	20.02	24.5	0	
Channel				55265	55810	56170	56715			

Reduced Power Mode for ECI15

GSM850_Ant 0	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05
EDGE 2 Tx slots		25.82	25.85	25.96	27.00	19.82	19.85	19.96
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57

GSM1900_Ant 1	Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up
TX Channel	512	661	810	Limit (dbm)	512	661	810	Limit (dbm)
Frequency (MHz)	1850.2	1860	1869.8	30.50	1850.2	1860	1869.8	30.50
GSM 1 Tx slot	29.24	29.55	29.51	30.50	20.26	20.58	20.51	21.50
GPRS 1 Tx slot	29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots	27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots	26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.24
GPRS 4 Tx slots	24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot	25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots	24.49	24.71	24.65	26.00	16.49	16.71	16.65	18.24
EDGE 3 Tx slots	22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots	20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
TX Channel	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1860	1869.8			1850.2	1860	1869.8		
GSM 1 Tx slot	28.91	28.99	28.99			19.79	19.87	19.95	20.50	
GPRS 1 Tx slot	28.75	28.87	28.95		29.50	19.75	19.87	19.95	20.50	
GPRS 2 Tx slots	26.99	27.11	27.19		27.50	20.99	21.11	21.19	21.50	
GPRS 3 Tx slots	25.79	25.91	25.99		26.50	21.53	21.65	21.73	22.24	
GPRS 4 Tx slots	24.46	24.58	24.66		25.50	21.46	21.58	21.66	22.50	
EDGE 1 Tx slot	24.75	24.87	24.95		26.00	15.75	15.87	15.95	17.00	
EDGE 2 Tx slots	23.44	23.56	23.64		25.00	17.44	17.56	17.64	18.24	
EDGE 3 Tx slots	21.16	21.28	21.36		22.50	16.90	17.02	17.10	18.24	
EDGE 4 Tx slots	19.77	19.89	19.97		21.00	16.77	16.89	16.97	18.00	

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.95	22.00	21.98	23.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	22.05	22.15	22.12	23.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	21.09	21.21	21.23	22.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	21.06	21.12	21.26	22.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	20.63	20.62	20.82	21.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	20.58	20.61	20.74	21.50	22.53	22.62	22.57	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.97	21.12	21.18	22.00	22.96	23.07	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.01	21.06	21.22	22.00	22.87	23.04	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.62	20.57	20.72	21.50	22.55	22.55	22.62	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.53	20.55	20.59	21.50	22.51	22.48	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	19.13	19.23	19.18	20.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	19.13	19.23	19.22	20.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	20.15	20.20	20.21	21.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	18.66	18.75	18.73	20.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	20.10	20.20	20.20	22.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.03	19.12	19.19	20.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.48	20.51	20.45	21.50	21.29	21.32	21.27	22.50
3GPP Rel 99	RMC 12.2Kbps	20.53	20.56	20.50	21.50	21.35	21.37	21.30	22.50
3GPP Rel 6	HSDPA Subtest-1	19.75	19.86	19.96	20.50	20.67	20.69	20.76	21.50
3GPP Rel 6	HSDPA Subtest-2	19.75	19.86	19.91	20.50	20.64	20.66	20.73	21.50
3GPP Rel 6	HSDPA Subtest-3	19.25	19.33	19.44	20.00	20.14	20.20	20.25	21.00
3GPP Rel 6	HSDPA Subtest-4	19.27	19.36	19.44	20.00	20.14	20.15	20.21	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	19.62	19.67	19.82	20.50	20.61	20.60	20.57	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	19.63	19.71	19.80	20.50	20.50	20.49	20.63	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	19.14	19.27	19.35	20.00	19.96	20.06	20.13	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.10	19.26	19.32	20.00	20.09	19.95	20.07	21.00
3GPP Rel 6	HSUPA Subtest-1	17.82	17.91	17.95	18.50	18.38	18.73	18.72	19.50
3GPP Rel 6	HSUPA Subtest-2	17.82	17.87	17.93	18.50	18.40	18.67	18.76	19.50
3GPP Rel 6	HSUPA Subtest-3	18.83	18.87	18.92	19.50	19.55	19.70	19.70	20.50
3GPP Rel 6	HSUPA Subtest-4	17.28	17.35	17.48	18.50	18.17	18.20	18.31	19.50
3GPP Rel 6	HSUPA Subtest-5	18.80	18.90	19.00	20.50	19.70	19.72	19.70	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.74	17.78	17.75	19.00	18.64	18.72	18.61	20.00

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tune-up Limit
Tx Channel	128	189	251			128	189	251		
Frequency (MHz)	824.2	836.4	848.8			824.2	836.4	848.8		
GSM 1 Tx slot	32.05	32.26	32.11		33.00	23.05	23.26	23.11	24.00	
GPRS 1 Tx slot	32.01	32.21	32.05		33.00	23.01	23.21	23.05	24.00	
GPRS 2 Tx slots	30.12	30.26	30.13		31.00	24.12	24.26	24.13	25.00	
GPRS 3 Tx slots	27.86	28.04	27.92		29.00	23.60	23.78	23.66	24.74	
GPRS 4 Tx slots	26.72	26.87	26.77		28.00	23.72	23.87	23.77	25.00	
EDGE 1 Tx slot	26.82	26.77	26.77		27.50	17.82	17.77	17.77	20.50	
EDGE 2 Tx slots	25.70	25.68	25.65		26.50	19.70	19.68	19.65	20.50	
EDGE 3 Tx slots	23.43	23.48	23.32		24.50	19.17	19.22	19.06	20.24	
EDGE 4 Tx slots	22.27	22.27	22.24		23.50	19.27	19.27	19.24	20.50	

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up	
	TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		28.68	28.79	28.74	30.50	20.68	20.79	20.74	21.50
GPRS 1 Tx slot		28.66	28.77	28.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	16.78	16.88	16.84	17.00
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.25	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.74	22.76	22.66	23.50	22.56	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.16	22.50	20.98	21.00	20.86	22.50

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	21.83	21.86	21.80	23	0		
20	QPSK	1	49	21.73	21.78	21.68				
20	QPSK	1	99	21.77	21.84	21.65				
20	QPSK	50	0	21.76	21.84	21.78	23	0		
20	QPSK	50	24	21.69	21.83	21.73				
20	QPSK	50	50	21.73	21.78	21.71				
20	QPSK	100	0	21.77	21.80	21.66	23	0		
20	16QAM	1	0	21.78	21.75	21.72				
20	16QAM	1	99	21.72	21.79	21.67				
20	16QAM	1	99	21.78	21.79	21.77	22.5	0.5		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	0.5		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	22.5	0.5		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	21.5	1.5		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18800	19025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18800	1902.5				
15	QPSK	1	0	21.70	21.78	21.75	23	0		
15	QPSK	1	37	21.60	21.74	21.61				
15	QPSK	1	74	21.65	21.72	21.59				
15	QPSK	36	0	21.78	21.71	21.72	23	0		
15	QPSK	36	20	21.57	21.78	21.71				
15	QPSK	36	39	21.68	21.64	21.60				
15	QPSK	75	0	21.71	21.78	21.58	23	0		
15	16QAM	1	0	21.65	21.72	21.70				
15	16QAM	1	37	21.68	21.74	21.65				
15	16QAM	1	74	21.66	21.64	21.74	22.5	0.5		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	0.5		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	0.5		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	1.5		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18950	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18855	18800	19050				
10	QPSK	1	0	21.75	21.74	21.78	23	0		
10	QPSK	1	25	21.69	21.75	21.60				
10	QPSK	1	49	21.62	21.81	21.52				
10	QPSK	25	0	21.64	21.78	21.76	23	0		
10	QPSK	25	12	21.62	21.71	21.60				
10	QPSK	25	25	21.71	21.68	21.56				
10	QPSK	50	0	21.64	21.68	21.59	23	0		
10	16QAM	1	0	21.69	21.65	21.61				
10	16QAM	1	25	21.71	21.68	21.53				
10	16QAM	1	49	21.65	21.65	21.70	22.5	0.5		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	0.5		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.58	21.37				
10	64QAM	1	25	21.49	21.45	21.47	22.5	0.5		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21	21.5	1.5		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	18800	1907.5				
5	QPSK	1	0	21.70	21.74	21.73	23	0		
5	QPSK	1	12	21.61	21.77	21.65				
5	QPSK	1	24	21.69	21.82	21.62				
5	QPSK	12	0	21.67	21.70	21.64	23	0		
5	QPSK	12	7	21.63	21.75	21.65				
5	QPSK	12	13	21.58	21.75	21.67				
5	QPSK	25	0	21.62	21.72	21.62	23	0		
5	16QAM	1	0	21.68	21.71	21.59				
5	16QAM	1	12	21.70	21.75	21.60				
5	16QAM	1	24	21.65	21.70	21.63	22.5	0.5		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	0.5		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	0.5		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	1.5		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18915	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18815.5	18800	1908.5				
3	QPSK	1	0	21.78	21.83	21.67	23	0		
3	QPSK	1	8	21.60	21.76	21.53				
3	QPSK	1	14	21.64	21.69	21.50				
3	QPSK	8	0	21.68	21.82	21.64	23	0		
3	QPSK	8	4	21.68	21.82	21.68				
3	QPSK	8	7	21.68	21.76	21.67				
3	QPSK	15	0	21.73	21.67	21.62	23	0		
3	16QAM	1	0	21.69	21.64	21.58				
3	16QAM	1	8	21.67	21.74	21.60				
3	16QAM	1	14	21.64	21.66	21.62	22.5	0.5		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	0.5		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	22.5	0.5		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	21.5	1.5		
3	64QAM	8	7	20.36	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	1909.3				
1.4	QPSK	1	0	21.72	21.83	21.79	23	0		
1.4	QPSK	1	3	21.63	21.66	21.57				
1.4	QPSK	1	5	21.74	21.74	21.52				
1.4	QPSK	3	0	21.76	21.74	21.75	23	0		
1.4	QPSK	3	1	21.84	21.74	21.74				
1.4	QPSK	3	3	21.63	21.78	21.50				
1.4	QPSK	6	0	21.69	21.80	21.68	23	0		
1.4	16QAM	1	0	21.57	21.80	21.69				
1.4	16QAM	1	3	21.63	21.63	21.67				
1.4	16QAM	1	5	21.69	21.71	21.61	23	0		
1.4	16QAM	3	0	21.66	21.72	21.63				
1.4	16QAM	3	1	21.71	21.65	21.66				
1.4	16QAM	3	3	21.64	21.72	21.64	22.5	0.5		
1.4	16QAM	6	0	21.23	21.30	21.19				
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44	22.5	0.5		
1.4	64QAM	1	5	21.47	21.32	21.44				
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	1	21.56	21.48	21.44	21.5	1.5		
1.4	64QAM	3	3	21.61	21.64	21.58				
1.4	64QAM	6	0	20.35	20.31	20.30				

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.20	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.19	22.26			
20	QPSK	100	0	22.24	22.29	22.26	23.5	1	
20	16QAM	1	0	22.52	22.53	22.49			
20	16QAM	1	49	22.53	22.51	22.48			
20	16QAM	1	99	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.18	21.24			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	22.5	2	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.12	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.10			
10	QPSK	25	25	22.14	22.14	22.18			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.19			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.18	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.07			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.16	22.21	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.14			
5	QPSK	12	13	22.18	22.15	22.21			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.06	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.13	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.18	22.12			
3	QPSK	15	0	22.09	22.12	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.40			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.33	21.43	21.40			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.08	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.16			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1	
1.4	16QAM	1	0	22.40	22.38	22.36			
1.4	16QAM	1	3	22.48	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45	23.5	1	
1.4	16QAM	3	0	22.36	22.39	22.45			
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46	22.5	2	
1.4	16QAM	6	0	21.21	21.14	21.14			
1.4	64QAM	1	0	21.33	21.38	21.36			
1.4	64QAM	1	3	21.29	21.37	21.41	22.5	2	
1.4	64QAM	1	5	21.16	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26			
1.4	64QAM	3	1	21.40	21.28	21.39	21.5	3	
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22			

Band 4_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.38	23.40	23.35	24.5	0	
20	QPSK	1	49	23.37	23.29	23.21			
20	QPSK	1	99	23.31	23.26	23.23			
20	QPSK	50	0	22.36	22.39	22.34	23.5	1	
20	QPSK	50	24	22.30	22.37	22.32			
20	QPSK	50	50	22.35	22.29	22.27			
20	QPSK	100	0	22.30	22.35	22.31	23.5	1	
20	16QAM	1	0	22.66	22.44	22.46			
20	16QAM	1	49	22.51	22.46	22.60			
20	16QAM	1	99	22.47	22.60	22.55	22.5	2	
20	16QAM	50	0	21.35	21.38	21.32			
20	16QAM	50	24	21.40	21.28	21.37			
20	16QAM	50	50	21.28	21.30	21.26	22.5	2	
20	16QAM	100	0	21.38	21.32	21.27			
20	64QAM	1	0	21.78	21.71	21.36			
20	64QAM	1	49	21.73	21.43	21.48	22.5	2	
20	64QAM	1	99	21.61	21.47	21.55			
20	64QAM	50	0	20.41	20.46	20.34			
20	64QAM	50	24	20.39	20.34	20.39	21.5	3	
20	64QAM	50	50	20.36	20.33	20.27			
20	64QAM	100	0	20.40	20.33	20.32			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.24	23.34	23.25	24.5	0	
15	QPSK	1	37	23.25	23.21	23.19			
15	QPSK	1	74	23.23	23.16	23.12			
15	QPSK	36	0	22.25	22.31	22.33	23.5	1	
15	QPSK	36	20	22.21	22.30	22.18			
15	QPSK	36	39	22.31	22.27	22.16			
15	QPSK	75	0	22.20	22.33	22.29	23.5	1	
15	16QAM	1	0	22.51	22.34	22.33			
15	16QAM	1	37	22.37	22.39	22.42			
15	16QAM	1	74	22.44	22.49	22.52	22.5	2	
15	16QAM	36	0	22.24	21.36	21.27			
15	16QAM	36	20	21.39	21.31	21.32			
15	16QAM	36	39	21.21	21.26	21.18	22.5	2	
15	16QAM	75	0	21.38	21.31	21.20			
15	64QAM	1	0	21.73	21.63	21.31			
15	64QAM	1	37	21.71	21.33	21.44	22.5	2	
15	64QAM	1	74	21.52	21.34	21.44			
15	64QAM	36	0	20.34	20.37	20.33			
15	64QAM	36	20	20.35	20.26	20.30	21.5	3	
15	64QAM	36	39	20.29	20.27	20.21			
15	64QAM	75	0	20.32	20.21	20.21			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.24	23.26	23.28	24.5	0	
10	QPSK	1	25	23.27	23.26	23.13			
10	QPSK	1	49	23.28	23.18	23.22			
10	QPSK	25	0	22.23	22.26	22.24	23.5	1	
10	QPSK	25	12	22.18	22.23	22.17			
10	QPSK	25	25	22.27	22.15	22.18			
10	QPSK	50	0	22.21	22.20	22.29	23.5	1	
10	16QAM	1	0	22.52	22.33	22.36			
10	16QAM	1	25	22.41	22.37	22.53			
10	16QAM	1	49	22.46	22.53	22.43	22.5	2	
10	16QAM	25	0	21.30	21.23	21.29			
10	16QAM	25	12	21.27	21.16	21.26			
10	16QAM	25	25	21.14	21.23	21.22	22.5	2	
10	16QAM	50	0	21.25	21.19	21.12			
10	64QAM	1	0	21.64	21.57	21.31			
10	64QAM	1	25	21.62	21.40	21.35	22.5	2	
10	64QAM	1	49	21.52	21.35	21.41			
10	64QAM	25	0	20.32	20.44	20.33			
10	64QAM	25	12	20.35	20.29	20.33	21.5	3	
10	64QAM	25	25	20.31	20.29	20.15			
10	64QAM	50	0	20.36	20.26	20.21			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.24	23.36	23.28	24.5	0	
5	QPSK	1	12	23.35	23.22	23.16			
5	QPSK	1	24	23.19	23.12	23.25			
5	QPSK	12	0	22.23	22.29	22.25	23.5	1	
5	QPSK	12	7	22.19	22.19	22.25			
5	QPSK	12	13	22.22	22.25	22.16			
5	QPSK	25	0	22.19	22.34	22.28	23.5	1	
5	16QAM	1	0	22.64	22.30	22.32			
5	16QAM	1	12	22.46	22.34	22.47			
5	16QAM	1	24	22.35	22.57	22.48	22.5	2	
5	16QAM	12	0	21.30	21.31	21.25			
5	16QAM	12	7	21.38	21.25	21.24			
5	16QAM	12	13	21.13	21.23	21.15	22.5	2	
5	16QAM	25	0	21.35	21.31	21.25			
5	16QAM	1	0	21.69	21.67	21.35			
5	64QAM	1	12	21.65	21.41	21.46	22.5	2	
5	64QAM	1	24	21.46	21.34	21.51			
5	64QAM	12	0	20.31	20.31	20.15			
5	64QAM	12	12	20.29	20.26	20.38	21.5	3	
5	64QAM	12	13	20.24	20.21	20.20			
5	64QAM	25	0	20.32	20.29	20.29			
Channel				19985	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.32	23.27	23.33	24.5	0	
3	QPSK	1	8	23.24	23.16	23.06			
3	QPSK	1	14	23.19	23.12	23.22			
3	QPSK	8	0	22.30	22.37	22.32	23.5	1	
3	QPSK	8	4	22.27	22.28	22.21			
3	QPSK	8	7	22.25	22.20	22.20			
3	QPSK	15	0	22.61	22.24	22.24	23.5	1	
3	16QAM	1	0	22.64	22.40	22.40			
3	16QAM	1	8	22.41	22.42	22.50			
3	16QAM	1	14	22.38	22.45	22.44	22.5	2	
3	16QAM	8	0	21.34	21.25	21.25			
3	16QAM	8	4	21.26	21.26	21.27			
3	16QAM	8	7	21.26	21.29	21.24	22.5	2	
3	16QAM	15	0	21.34	21.30	21.25			
3	64QAM	1	0	21.74	21.65	21.34			
3	64QAM	1	8	21.71	21.38	21.31	21.5	3	
3	64QAM	1	14	21.56	21.34	21.51			
3	64QAM	8	0	20.31	20.31	20.32			
3	64QAM	8	4	20.34	20.27	20.31	21.5	3	
3	64QAM	8	7	20.33	20.23	20.22			
3	64QAM	15	0	20.39	20.21	20.31			
Channel				19907	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.36	23.28	23.22	24.5	0	
1.4	QPSK	1	3	23.25	23.16	23.11			
1.4	QPSK	1	6	23.21	23.13	23.22			
1.4	QPSK	3	0	23.31	23.38	23.27	23.5	1	
1.4	QPSK	3	1	23.26	23.24	23.17			
1.4	QPSK	3	3	23.24	23.23	23.13			
1.4	QPSK	6	0	22.20	22.23	22.16	23.5	1	
1.4	16QAM	1	0	22.56	22.40	22.32			
1.4	16QAM	1	3	22.40	22.35	22.47			
1.4	16QAM	1	5	22.36	22.58	22.40	23.5	1	
1.4	16QAM	3	0	21.65	21.36	20.39			
1.4	16QAM	3	1	22.44	22.36	22.59			
1.4	16QAM	3	3	22.41	22.58	22.42	22.5	2	
1.4	64QAM	1	0	21.65	21.69	21.34			
1.4	64QAM	1	3	21.58	21.40	21.40			
1.4	64QAM	1	5	21.60	21.35	21.53	22.5	2	
1.4	64QAM	3	0	21.66	21.70	21.35			
1.4	64QAM	3	1	21.65	21.36	21.44			
1.4	64QAM	3	3	21.57	21.45	21.49	21.5	3	
1.4	64QAM	6	0	20.27	20.23	20.24			

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.78	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74	24	1		
10	QPSK	25	12	22.63	22.67	22.72				
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73	24	1		
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02				
10	16QAM	1	49	22.71	23.00	22.97	23	2		
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95	23	2		
10	64QAM	1	49	21.84	21.98	21.81				
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69	22	3		
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61	24	1		
5	QPSK	12	7	22.51	22.56	22.71				
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66	24	1		
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93				
5	16QAM	1	24	22.67	22.90	22.86	23	2		
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94	23	2		
5	64QAM	1	24	21.72	21.93	21.76				
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58	22	3		
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71	24	1		
3	QPSK	8	4	22.62	22.59	22.69				
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64	24	1		
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97				
3	16QAM	1	14	22.68	22.88	22.91	23	2		
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88	23	2		
3	64QAM	1	14	21.70	21.85	21.70				
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57	22	3		
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85	24	1		
1.4	QPSK	3	1	23.63	23.68	23.45				
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65	24	1		
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00				
1.4	16QAM	1	5	22.66	22.86	22.84	24	1		
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92	23	2		
1.4	64QAM	1	5	21.80	21.92	21.80				
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70	22	3		
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77				

Band 5_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.63	23.66	23.64	25	0		
10	QPSK	1	25	23.49	23.44	23.50				
10	QPSK	1	49	23.47	23.61	23.57				
10	QPSK	25	0	22.58	22.63	22.55	24	1		
10	QPSK	25	12	22.54	22.49	22.50				
10	QPSK	25	25	22.55	22.56	22.47				
10	QPSK	50	0	22.56	22.60	22.52	24	1		
10	16QAM	1	0	22.85	23.05	22.80				
10	16QAM	1	25	22.71	22.81	23.01				
10	16QAM	1	49	22.88	22.87	22.93	23	2		
10	16QAM	25	0	21.57	21.47	21.60				
10	16QAM	25	12	21.62	21.42	21.64				
10	16QAM	25	25	21.61	21.48	21.62	23	2		
10	16QAM	50	0	21.61	21.46	21.61				
10	64QAM	1	0	21.75	21.87	21.80				
10	64QAM	1	25	21.76	21.60	21.66	23	2		
10	64QAM	1	49	21.62	21.68	21.64				
10	64QAM	25	0	20.50	20.50	20.51				
10	64QAM	25	12	20.49	20.48	20.48	22	3		
10	64QAM	25	25	20.52	20.58	20.52				
10	64QAM	50	0	20.51	20.51	20.51				
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.51	23.64	23.58	25	0		
5	QPSK	1	12	23.41	23.42	23.42				
5	QPSK	1	24	23.32	23.59	23.52				
5	QPSK	12	0	22.48	22.58	22.40	24	1		
5	QPSK	12	7	22.52	22.46	22.45				
5	QPSK	12	13	22.40	22.33	22.33				
5	QPSK	25	0	22.54	22.57	22.48	24	1		
5	16QAM	1	0	22.84	23.03	22.66				
5	16QAM	1	12	22.58	22.71	22.90				
5	16QAM	1	24	22.80	22.84	22.92	23	2		
5	16QAM	12	0	21.49	21.46	21.53				
5	16QAM	12	7	21.58	21.30	21.53				
5	16QAM	12	13	21.53	21.41	21.61	23	2		
5	16QAM	25	0	21.58	21.49	21.58				
5	64QAM	1	0	21.63	21.85	21.75				
5	64QAM	1	12	21.61	21.56	21.64	23	2		
5	64QAM	1	24	21.48	21.59	21.85				
5	64QAM	12	0	20.40	20.40	20.48				
5	64QAM	12	7	20.34	20.36	20.36	22	3		
5	64QAM	12	13	20.40	20.56	20.41				
5	64QAM	25	0	20.42	20.50	20.55				
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.54	23.64	23.61	25	0		
3	QPSK	1	8	23.35	23.41	23.40				
3	QPSK	1	14	23.41	23.43	23.48				
3	QPSK	8	0	22.53	22.61	22.42	24	1		
3	QPSK	8	4	22.43	22.44	22.40				
3	QPSK	8	7	22.41	22.52	22.40				
3	QPSK	15	0	22.54	22.56	22.44	24	1		
3	16QAM	1	0	22.80	22.93	22.73				
3	16QAM	1	8	22.70	22.78	22.89				
3	16QAM	1	14	22.77	22.83	22.83	23	2		
3	16QAM	8	0	21.53	21.37	21.46				
3	16QAM	8	4	21.57	21.39	21.53				
3	16QAM	8	7	21.53	21.37	21.56	23	2		
3	16QAM	15	0	21.59	21.31	21.47				
3	64QAM	1	0	21.63	21.78	21.79				
3	64QAM	1	8	21.65	21.53	21.55	23	2		
3	64QAM	1	14	21.55	21.61	21.88				
3	64QAM	8	0	20.49	20.41	20.60				
3	64QAM	8	4	20.36	20.44	20.36	22	3		
3	64QAM	8	7	20.47	20.39	20.40				
3	64QAM	15	0	20.43	20.42	20.48				
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.57	23.56	23.57	25	0		
1.4	QPSK	1	3	23.46	23.42	23.40				
1.4	QPSK	1	5	23.37	23.51	23.43				
1.4	QPSK	3	0	23.54	23.60	23.54	24	1		
1.4	QPSK	3	1	23.45	23.29	23.49				
1.4	QPSK	3	3	23.46	23.54	23.45				
1.4	QPSK	6	0	22.43	22.47	22.39	24	1		
1.4	16QAM	1	0	22.78	22.99	22.67				
1.4	16QAM	1	3	22.60	22.89	22.80				
1.4	16QAM	1	5	22.87	22.79	22.87	24	1		
1.4	16QAM	3	0	22.80	23.02	22.79				
1.4	16QAM	3	1	22.66	22.79	22.90				
1.4	16QAM	3	3	22.74	22.72	22.86	23	2		
1.4	16QAM	6	0	21.50	21.37	21.58				
1.4	64QAM	1	0	21.71	21.77	21.67				
1.4	64QAM	1	3	21.62	21.53	21.63	23	2		
1.4	64QAM	1	5	21.61	21.67	21.63				
1.4	64QAM	3	0	21.61	21.85	21.68				
1.4	64QAM	3	1	21.63	21.59	21.57	22	3		
1.4	64QAM	3	3	21.60	21.54	21.51				
1.4	64QAM	6	0	20.45	20.42	20.50				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77	24.5	0	
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71			
20	QPSK	50	0	22.73	22.79	22.76	23.5	1	
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.95			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13	22.5	2	
20	16QAM	50	0	21.59	21.79	21.72			
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71	22.5	2	
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05			
20	64QAM	1	49	21.77	21.91	21.85	22.5	2	
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.78	20.72			
Channel				20825	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.67	23.79	23.76	24.5	0	
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60	23.5	1	
15	16QAM	1	0	22.67	22.86	22.88			
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.70	23.03	23.11	23.5	1	
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60			
15	16QAM	36	39	21.62	21.68	21.58	22.5	2	
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.89	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56	21.5	3	
15	64QAM	36	39	20.56	20.77	20.69			
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.65	23.79	23.72	24.5	0	
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64	23.5	1	
10	16QAM	1	0	22.75	22.80	22.88			
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05	23.5	1	
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57			
10	16QAM	25	25	21.62	21.67	21.68	22.5	2	
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69	21.5	3	
10	64QAM	25	25	20.60	20.72	20.62			
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.60	23.85	23.65	24.5	0	
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65	23.5	1	
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.99	23.5	1	
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58			
5	16QAM	12	13	21.61	21.67	21.65	22.5	2	
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.82	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.57	20.68	20.67	21.5	3	
5	64QAM	12	13	20.62	20.75	20.57			
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.55	21.60	21.52	22.5	0	
20	QPSK	1	49	21.53	21.48	21.41			
20	QPSK	1	99	21.50	21.55	21.42			
20	QPSK	50	0	21.48	21.55	21.45	22.5	0	
20	QPSK	50	24	21.47	21.48	21.40			
20	QPSK	50	50	21.45	21.53	21.43			
20	QPSK	100	0	21.40	21.48	21.42	22.5	0	
20	16QAM	1	0	21.41	21.49	21.47			
20	16QAM	1	49	21.42	21.57	21.47			
20	16QAM	1	99	21.52	21.54	21.43	22.5	0	
20	16QAM	50	0	21.47	21.50	21.46			
20	16QAM	50	24	21.54	21.54	21.41			
20	16QAM	50	50	21.52	21.47	21.51	22.5	0	
20	16QAM	100	0	21.52	21.56	21.37			
20	64QAM	1	0	21.52	21.54	21.48			
20	64QAM	1	49	21.46	21.49	21.46	22.5	0	
20	64QAM	1	99	21.53	21.54	21.40			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45	21.5	1	
20	64QAM	50	50	20.58	20.51	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.45	21.48	21.51	22.5	0	
15	QPSK	1	37	21.52	21.42	21.39			
15	QPSK	1	74	21.42	21.42	21.34			
15	QPSK	36	0	21.41	21.48	21.31	22.5	0	
15	QPSK	36	20	21.37	21.44	21.35			
15	QPSK	36	39	21.41	21.39	21.32			
15	QPSK	75	0	21.37	21.38	21.29	22.5	0	
15	16QAM	1	0	21.32	21.38	21.32			
15	16QAM	1	37	21.32	21.32	21.45			
15	16QAM	1	74	21.41	21.42	21.33	22.5	0	
15	16QAM	36	0	21.35	21.48	21.36			
15	16QAM	36	20	21.42	21.39	21.30			
15	16QAM	36	39	21.40	21.42	21.40	22.5	0	
15	16QAM	75	0	21.45	21.46	21.24			
15	64QAM	1	0	21.45	21.46	21.47			
15	64QAM	1	37	21.35	21.35	21.48	22.5	0	
15	64QAM	1	74	21.43	21.48	21.28			
15	64QAM	36	0	20.48	20.48	20.41			
15	64QAM	36	20	20.36	20.46	20.42	21.5	1	
15	64QAM	36	39	20.51	20.36	20.39			
15	64QAM	75	0	20.47	20.50	20.34			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.51	21.59	21.42	22.5	0	
10	QPSK	1	25	21.43	21.41	21.38			
10	QPSK	1	49	21.40	21.49	21.36			
10	QPSK	25	0	21.41	21.49	21.32	22.5	0	
10	QPSK	25	12	21.33	21.47	21.33			
10	QPSK	25	25	21.35	21.49	21.36			
10	QPSK	50	0	21.33	21.43	21.27	22.5	0	
10	16QAM	1	0	21.32	21.34	21.43			
10	16QAM	1	25	21.36	21.49	21.41			
10	16QAM	1	49	21.44	21.49	21.29	22.5	0	
10	16QAM	25	0	21.45	21.42	21.45			
10	16QAM	25	12	21.43	21.47	21.36			
10	16QAM	25	25	21.40	21.45	21.45	22.5	0	
10	16QAM	50	0	21.42	21.49	21.35			
10	64QAM	1	0	21.37	21.45	21.40			
10	64QAM	1	25	21.35	21.41	21.35	22.5	0	
10	64QAM	1	49	21.49	21.52	21.25			
10	64QAM	25	0	20.48	20.41	20.33			
10	64QAM	25	12	20.39	20.42	20.34	21.5	1	
10	64QAM	25	25	20.45	20.46	20.38			
10	64QAM	50	0	20.45	20.46	20.32			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.43	21.54	21.48	22.5	0	
5	QPSK	1	12	21.38	21.39	21.33			
5	QPSK	1	24	21.42	21.47	21.32			
5	QPSK	12	0	21.46	21.40	21.31	22.5	0	
5	QPSK	12	7	21.41	21.43	21.26			
5	QPSK	12	13	21.41	21.46	21.29			
5	QPSK	25	0	21.37	21.42	21.37	22.5	0	
5	16QAM	1	0	21.38	21.46	21.38			
5	16QAM	1	12	21.34	21.47	21.34			
5	16QAM	1	24	21.39	21.51	21.28	22.5	0	
5	16QAM	12	0	21.43	21.44	21.31			
5	16QAM	12	7	21.50	21.39	21.32			
5	16QAM	12	13	21.46	21.41	21.47	22.5	0	
5	16QAM	25	0	21.38	21.44	21.30			
5	64QAM	1	0	21.42	21.48	21.41			
5	64QAM	1	12	21.41	21.45	21.35	22.5	0	
5	64QAM	1	24	21.58	21.45	21.36			
5	64QAM	12	0	20.46	20.42	20.34			
5	64QAM	12	7	20.40	20.41	20.42	21.5	1	
5	64QAM	12	13	20.49	20.40	20.36			
5	64QAM	25	0	20.40	20.41	20.27			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38	23.5	1		
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51				
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47	23.5	1		
10	16QAM	1	0	22.95	22.63	22.99				
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.87	22.5	2		
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84				
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48	21.5	3		
10	64QAM	25	25	20.51	20.49	20.49				
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50	23.5	1		
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90	23.5	1		
5	16QAM	1	12	22.87	22.61	22.67				
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.88	21.74	22.5	2		
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48	21.5	3		
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48	23.5	1		
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96	23.5	1		
3	16QAM	1	8	22.91	22.65	22.68				
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.81	21.83	21.74	22.5	2		
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43	21.5	3		
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67	23.5	1		
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88	23.5	1		
1.4	16QAM	1	3	22.80	22.55	22.61				
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67	22.5	2		
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73	21.5	3		
1.4	64QAM	6	0	20.52	20.45	20.44				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24.5	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.35	23.40	23.38	23.5	1		
10	QPSK	1	25	23.33	23.36	23.20				
10	QPSK	1	49	23.30	23.23	23.34				
10	QPSK	25	0	22.31	22.33	22.25				
10	QPSK	25	12	22.25	22.31	22.25	23.5	1		
10	QPSK	25	25	22.29	22.21	22.25				
10	QPSK	50	0	22.23	22.25	22.21				
10	16QAM	1	0	22.45	22.25	22.50				
10	16QAM	1	25	22.58	22.41	22.60	22.5	2		
10	16QAM	1	49	22.43	22.42	22.61				
10	16QAM	25	0	21.19	21.21	21.19				
10	16QAM	25	12	21.18	21.32	21.23				
10	16QAM	25	25	21.22	21.27	21.18	22.5	2		
10	16QAM	50	0	21.20	21.29	21.19				
10	64QAM	1	0	21.46	21.32	21.38				
10	64QAM	1	25	21.40	21.52	21.54				
10	64QAM	1	49	21.52	21.34	21.56	21.5	3		
10	64QAM	25	0	20.30	20.16	20.25				
10	64QAM	25	12	20.23	20.22	20.29				
10	64QAM	25	25	20.32	20.22	20.26				
10	64QAM	50	0	20.23	20.20	20.24	Channel			
Frequency (MHz)				23785	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5	24.5	0		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.33	23.35	23.23	23.5	1		
5	QPSK	1	12	23.33	23.36	23.09				
5	QPSK	1	24	23.36	23.30	23.24				
5	QPSK	12	0	22.26	22.18	22.22				
5	QPSK	12	7	22.16	22.27	22.18	23.5	1		
5	QPSK	12	13	22.16	22.18	22.22				
5	QPSK	25	0	22.17	22.23	22.12				
5	16QAM	1	0	22.39	22.17	22.48				
5	16QAM	1	12	22.57	22.40	22.52	22.5	2		
5	16QAM	1	24	22.41	22.30	22.46				
5	16QAM	12	0	21.12	21.14	21.07				
5	16QAM	12	7	21.12	21.19	21.11				
5	16QAM	12	13	21.11	21.15	21.09	22.5	2		
5	16QAM	25	0	21.14	21.24	21.12				
5	64QAM	1	0	21.45	21.20	21.35				
5	64QAM	1	12	21.29	21.40	21.44				
5	64QAM	1	24	21.44	21.27	21.56	22.5	2		
5	64QAM	12	0	20.17	20.17	20.09				
5	64QAM	12	7	20.21	20.10	20.23				
5	64QAM	12	13	20.23	20.19	20.24				
5	64QAM	25	0	20.17	20.06	20.13	21.5	3		

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	23.5	1	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.83	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	64QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	22.5	2	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24.5	0	
10	QPSK	1	0	23.75	23.83	23.77			
10	QPSK	1	25	23.64	23.84	23.68	23.5	1	
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75			
10	QPSK	25	12	22.68	22.78	22.65	23.5	1	
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68			
10	16QAM	1	0	22.95	23.03	23.10	23.5	1	
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.99	23.01	23.05			
10	16QAM	25	0	21.52	21.67	21.75	22.5	2	
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71			
10	16QAM	50	0	21.74	21.73	21.88	22.5	2	
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97			
10	64QAM	1	49	22.00	22.05	22.03	21.5	3	
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84			
10	64QAM	25	25	20.71	20.79	20.85	21.5	3	
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24.5	0	
5	QPSK	1	0	23.79	23.90	23.77			
5	QPSK	1	12	23.70	23.86	23.81	23.5	1	
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72			
5	QPSK	12	7	22.61	22.68	22.66	23.5	1	
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78			
5	16QAM	1	0	22.96	22.95	23.05	23.5	1	
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06			
5	16QAM	12	0	21.60	21.64	21.80	22.5	2	
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.79			
5	16QAM	25	0	21.66	21.76	21.89	22.5	2	
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94			
5	64QAM	1	24	22.05	22.09	22.04	21.5	3	
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78			
5	64QAM	12	13	20.74	20.78	20.80	21.5	3	
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5	24.5	0	
3	QPSK	1	0	23.72	23.84	23.79			
3	QPSK	1	8	23.61	23.82	23.72	23.5	1	
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71			
3	QPSK	8	4	22.63	22.76	22.75	23.5	1	
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76			
3	16QAM	1	0	22.85	23.03	23.09	23.5	1	
3	16QAM	1	8	22.67	22.98	22.85			
3	16QAM	1	14	22.88	22.88	22.97			
3	16QAM	8	0	21.50	21.63	21.79	22.5	2	
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76			
3	16QAM	15	0	21.63	21.73	21.78	22.5	2	
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.85			
3	64QAM	1	14	22.00	22.08	22.00	21.5	3	
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78			
3	64QAM	8	7	20.71	20.74	20.80	21.5	3	
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3	24.5	0	
1.4	QPSK	1	0	23.73	23.80	23.77			
1.4	QPSK	1	3	23.59	23.79	23.73	23.5	1	
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.77			
1.4	QPSK	3	1	23.63	23.78	23.72	23.5	1	
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76			
1.4	16QAM	1	0	22.87	23.02	23.03	23.5	1	
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97			
1.4	16QAM	3	0	22.95	22.94	23.10	22.5	2	
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97			
1.4	16QAM	6	0	21.71	21.76	21.81	22.5	2	
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00			
1.4	64QAM	1	5	22.01	22.08	22.01	22.5	2	
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93			
1.4	64QAM	3	3	22.10	22.09	21.97	21.5	3	
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	23.5	1	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	75	0	22.60	22.62	22.58	23.5	1	
15	16QAM	1	0	21.62	21.60	21.57			
15	16QAM	1	37	23.00	22.97	22.93			
15	16QAM	1	74	22.85	22.96	22.82	22.5	2	
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	21.5	3	
15	16QAM	75	0	21.57	21.48	21.59			
15	16QAM	1	0	21.63	21.37	21.52			
15	16QAM	1	37	21.62	21.60	21.57	22.5	2	
15	16QAM	1	74	21.59	21.56	21.60			
15	16QAM	36	0	20.60	20.52	20.54			
15	16QAM	36	20	20.60	20.49	20.57	21.5	3	
15	16QAM	36	39	20.51	20.55	20.58			
15	16QAM	75	0	20.55	20.48	20.57			
Channel				26740	26865	26990	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				819	831.5	844	24.5	0	
10	QPSK	1	0	23.69	23.67	23.63			
10	QPSK	1	25	23.40	23.54	23.55	23.5	1	
10	QPSK	1	49	23.33	23.44	23.65			
10	QPSK	25	0	22.56	22.54	22.48			
10	QPSK	25	12	22.57	22.44	22.51	23.5	1	
10	QPSK	25	25	22.42	22.37	22.36			
10	QPSK	50	0	22.56	22.55	22.44			
10	16QAM	1	0	22.71	22.88	22.88	23.5	1	
10	16QAM	1	25	22.92	22.82	22.78			
10	16QAM	1	49	22.77	22.82	22.81			
10	16QAM	25	0	21.49	21.52	21.58	22.5	2	
10	16QAM	25	12	21.56	21.36	21.44			
10	16QAM	25	25	21.52	21.45	21.44			
10	16QAM	50	0	21.42	21.47	21.49	22.5	2	
10	16QAM	1	0	21.51	21.33	21.41			
10	16QAM	1	25	21.52	21.46	21.42			
10	16QAM	1	49	21.56	21.51	21.45	21.5	3	
10	16QAM	25	0	20.45	20.47	20.46			
10	16QAM	25	12	20.49	20.35	20.43			
10	16QAM	25	25	20.46	20.36	20.48	21.5	3	
10	16QAM	50	0	20.42	20.44	20.43			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5	24.5	0	
5	QPSK	1	0	23.71	23.71	23.63			
5	QPSK	1	12	23.36	23.52	23.57	23.5	1	
5	QPSK	1	24	23.32	23.46	23.64			
5	QPSK	12	0	22.58	22.64	22.52			
5	QPSK	12	7	22.45	22.41	22.50	23.5	1	
5	QPSK	12	13	22.50	22.31	22.40			
5	QPSK	25	0	22.51	22.59	22.56			
5	16QAM	1	0	22.62	22.97	22.86	23.5	1	
5	16QAM	1	12	22.96	22.82	22.87			
5	16QAM	1	24	22.79	22.95	22.76			
5	16QAM	12	0	21.55	21.39	21.43	22.5	2	
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51			
5	16QAM	25	0	21.43	21.45	21.43	22.5	2	
5	16QAM	1	0	21.51	21.51	21.45			
5	16QAM	1	12	21.40	21.52	21.43			
5	16QAM	1	24	21.45	21.44	21.49	21.5	3	
5	16QAM	12	0	20.59	20.38	20.39			
5	16QAM	12	7	20.59	20.34	20.43			
5	16QAM	12	13	20.39	20.46	20.48	21.5	3	
5	16QAM	25	0	20.50	20.46	20.55			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	24.5	0	
3	QPSK	1	0	23.61	23.63	23.65			
3	QPSK	1	8	23.32	23.48	23.46	23.5	1	
3	QPSK	1	14	23.34	23.35	23.58			
3	QPSK	8	0	22.56	22.57	22.54			
3	QPSK	8	4	22.48	22.41	22.39	23.5	1	
3	QPSK	8	7	22.42	22.32	22.41			
3	QPSK	15	0	22.49	22.56	22.49			
3	16QAM	1	0	22.68	22.92	22.91	23.5	1	
3	16QAM	1	8	22.99	22.87	22.84			
3	16QAM	1	14	22.84	22.92	22.74			
3	16QAM	8	0	21.53	21.40	21.42	22.5	2	
3	16QAM	8	4	21.55	21.45	21.36			
3	16QAM	8	7	21.41	21.41	21.42			
3	16QAM	15	0	21.44	21.37	21.45	22.5	2	
3	16QAM	1	0	21.48	21.31	21.51			
3	16QAM	1	8	21.56	21.56	21.44			
3	16QAM	1	14	21.46	21.53	21.49	21.5	3	
3	16QAM	8	0	20.48	20.49	20.47			
3	16QAM	8	4	20.46	20.47	20.49			
3	16QAM	8	7	20.42	20.53	20.55	21.5	3	
3	16QAM	15	0	20.44	20.37	20.52			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3	24.5	0	
1.4	QPSK	1	0	23.71	23.60	23.57			
1.4	QPSK	1	3	23.46	23.55	23.58	23.5	1	
1.4	QPSK	1	5	23.39	23.47	23.54			
1.4	QPSK	3	0	23.58	23.66	23.59			
1.4	QPSK	3	1	23.46	23.56	23.46	23.5	1	
1.4	QPSK	3	3	23.43	23.50	23.53			
1.4	QPSK	6	0	22.65	22.53	22.55			
1.4	16QAM	1	0	22.65	22.98	22.95	23.5	1	
1.4	16QAM	1	3	22.99	22.94	22.80			
1.4	16QAM	3	0	22.66	22.88	22.91			
1.4	16QAM	3	1	22.90	22.87	22.90	22.5	2	
1.4	16QAM	3	3	22.84	22.89	22.74			
1.4	16QAM	6	0	21.55	21.36	21.46			
1.4	16QAM	1	0	21.53	21.32	21.52	22.5	2	
1.4	16QAM	1	3	21.57	21.59	21.55			
1.4	16QAM	1	5	21.58	21.55	21.48			
1.4	16QAM	3	0	21.57	21.32	21.39	21.5	3	
1.4	16QAM	3	1	21.53	21.54	21.52			
1.4	16QAM	3	3	21.51	21.41	21.55			
1.4	16QAM	6	0	20.48	20.43	20.49			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.36	23.42			
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.33	22.33	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.19	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.36	23.39	23.31			
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.38	22.28			
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	22.5	2	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.21	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.20			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.33	23.43			
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.46			
5	16QAM	1	24	22.27	22.29	22.25	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.42	23.37	23.39			
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.24			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.41	23.38	23.39			
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56	23.5	1	
1.4	16QAM	1	5	22.31	22.35	22.25			
1.4	16QAM	3	0	22.45	22.40	22.65			
1.4	16QAM	3	1	22.35	22.26	22.58	22.5	2	
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	16QAM	6	0	21.24	21.29	21.23			
1.4	64QAM	1	0	21.43	21.45	21.41	22.5	2	
1.4	64QAM	1	3	21.68	21.69	21.54			
1.4	64QAM	1	5	21.38	21.41	21.44			
1.4	64QAM	3	0	21.47	21.57	21.52	22.5	2	
1.4	64QAM	3	1	21.64	21.58	21.49			
1.4	64QAM	3	3	21.38	21.47	21.47			
1.4	64QAM	6	0	20.29	20.27	20.34	21.5	3	

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.66	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.56	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.49			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.24	23.35	23.30	24.5	0		
20	QPSK	1	49	23.15	23.22	23.26				
20	QPSK	1	99	23.20	23.34	23.24				
20	QPSK	36	0	22.24	22.30	22.28				
20	QPSK	50	24	22.17	22.19	22.20	23.5	1		
20	QPSK	50	50	22.19	22.25	22.22				
20	QPSK	100	0	22.14	22.27	22.22				
20	16QAM	1	0	22.02	22.09	22.14				
20	16QAM	1	49	22.21	22.25	22.23	23.5	1		
20	16QAM	100	0	22.23	22.37	22.41				
20	16QAM	50	0	21.18	21.18	21.22				
20	16QAM	50	24	21.11	21.21	21.32				
20	16QAM	50	50	21.15	21.24	21.37	22.5	2		
20	16QAM	100	0	21.10	21.18	21.29				
20	64QAM	1	0	20.74	20.84	20.90				
20	64QAM	1	49	20.95	21.05	21.06				
20	64QAM	1	99	21.01	20.99	21.12	22.5	2		
20	64QAM	50	0	20.17	20.26	20.21				
20	64QAM	50	24	20.15	20.22	20.31				
20	64QAM	50	50	20.23	20.26	20.40				
20	64QAM	100	0	20.18	20.21	20.29	23.5	1		
Channel				38000	38000	38000				
Frequency (MHz)				2577.5 <th>2595<th>2612.5</th></th>	2595 <th>2612.5</th>	2612.5				
15	QPSK	1	0	23.21	23.31	23.22	24.5	0		
15	QPSK	1	37	23.05	23.10	23.23				
15	QPSK	1	74	23.11	23.27	23.23				
15	QPSK	36	0	22.19	22.15	22.20				
15	QPSK	36	20	22.11	22.12	22.08	23.5	1		
15	QPSK	36	39	22.17	22.18	22.15				
15	QPSK	75	0	22.12	22.21	22.15				
15	16QAM	1	0	21.91	21.97	22.07				
15	16QAM	1	37	22.11	22.21	22.08	23.5	1		
15	16QAM	1	74	22.11	22.36	22.36				
15	16QAM	36	0	21.07	21.07	21.09				
15	16QAM	36	20	21.04	21.13	21.28				
15	16QAM	36	39	21.03	21.17	21.29	22.5	2		
15	16QAM	75	0	21.01	21.16	21.23				
15	64QAM	1	0	20.68	20.72	20.83				
15	64QAM	1	37	20.88	20.93	20.99				
15	64QAM	1	74	20.95	20.93	21.10	22.5	2		
15	64QAM	36	0	20.07	20.16	20.13				
15	64QAM	36	20	20.01	20.15	20.21				
15	64QAM	36	39	20.16	20.12	20.33				
15	64QAM	75	0	20.13	20.18	20.26	21.5	3		
Channel				37850 <th>38000<th>38150</th></th>	38000 <th>38150</th>	38150				
Frequency (MHz)				2575 <th>2595<th>2615</th></th>	2595 <th>2615</th>	2615				
10	QPSK	1	0	23.17	23.29	23.28	24.5	0		
10	QPSK	1	25	23.08	23.10	23.16				
10	QPSK	1	49	23.07	23.25	23.11				
10	QPSK	25	0	22.09	22.20	22.21				
10	QPSK	25	12	22.14	22.08	22.19	23.5	1		
10	QPSK	25	25	22.11	22.11	22.10				
10	QPSK	50	0	22.01	22.21	22.08				
10	16QAM	1	0	21.89	22.00	22.01				
10	16QAM	1	25	22.09	22.10	22.18	23.5	1		
10	16QAM	1	49	22.16	22.26	22.28				
10	16QAM	25	0	21.07	21.16	21.08				
10	16QAM	25	12	21.06	21.20	21.31				
10	16QAM	25	25	21.02	21.23	21.34	22.5	2		
10	16QAM	50	0	21.03	21.03	21.18				
10	64QAM	1	0	20.67	20.71	20.82				
10	64QAM	1	25	20.81	20.92	20.99				
10	64QAM	1	49	21.00	20.91	21.02	21.5	3		
10	64QAM	25	0	20.10	20.14	20.19				
10	64QAM	25	12	20.02	20.12	20.25				
10	64QAM	25	25	20.16	20.20	20.36				
10	64QAM	50	0	20.07	20.10	20.27	22.5	2		
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225				
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th></th>	2595 <th>2617.5</th>	2617.5				
5	QPSK	1	0	23.09	23.24	23.24	24.5	0		
5	QPSK	1	12	23.06	23.14	23.17				
5	QPSK	1	24	23.12	23.24	23.16				
5	QPSK	12	0	22.10	22.22	22.13				
5	QPSK	12	7	22.15	22.11	22.14	23.5	1		
5	QPSK	12	13	22.09	22.11	22.20				
5	QPSK	25	0	22.03	22.23	22.07				
5	16QAM	1	0	21.99	21.95	22.06				
5	16QAM	1	12	22.12	22.22	22.20	23.5	1		
5	16QAM	1	24	22.09	22.27	22.40				
5	16QAM	12	0	21.03	21.06	21.16				
5	16QAM	12	7	21.03	21.10	21.22				
5	16QAM	12	13	21.08	21.13	21.22	22.5	2		
5	16QAM	25	0	21.00	21.04	21.23				
5	64QAM	1	0	20.72	20.81	20.84				
5	64QAM	1	12	20.91	20.96	21.03				
5	64QAM	1	24	20.96	20.87	20.98	21.5	3		
5	64QAM	12	0	20.12	20.12	20.20				
5	64QAM	12	7	20.07	20.07	20.16				
5	64QAM	12	13	20.12	20.19	20.29				
5	64QAM	25	0	20.04	20.19	20.23				

Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.09	23.75	23.67	24.5	0		
20	QPSK	1	49	23.52	23.74	23.56				
20	QPSK	1	99	23.58	23.70	23.57				
20	QPSK	36	0	22.44	22.63	22.40				
20	QPSK	50	24	22.51	22.60	22.52	23.5	1		
20	QPSK	50	50	22.50	22.61	22.53				
20	QPSK	100	0	22.53	22.61	22.53				
20	16QAM	1	0	22.58	22.64	22.56	23.5	1		
20	16QAM	1	49	22.87	22.70	22.64				
20	16QAM	1	99	22.80	22.64	22.53				
20	16QAM	50	0	21.57	21.58	21.57				
20	16QAM	50	24	21.57	21.62	21.57	22.5	2		
20	16QAM	50	50	21.60	21.61	21.51				
20	16QAM	100	0	21.56	21.59	21.55				
20	64QAM	1	0	21.35	21.32	21.30				
20	64QAM	1	49	21.30	21.42	21.41	22.5	2		
20	64QAM	1	99	21.43	21.38	21.17				
20	64QAM	50	0	20.56	20.61	20.60				
20	64QAM	50	24	20.59	20.61	20.57				
20	64QAM	50	50	20.63	20.65	20.55	21.5	3		
20	64QAM	100	0	20.60	20.61	20.57				
20	64QAM	100	0	20.60	20.61	20.57				
Channel				37850	38000	38150				
Frequency (MHz)				2577.5 <th>2595<th>2612.5</th><th>Tune-up limit (dBm)</th><th></th><th>MPR (dB)</th></th>	2595 <th>2612.5</th> <th>Tune-up limit (dBm)</th> <th></th> <th>MPR (dB)</th>	2612.5	Tune-up limit (dBm)		MPR (dB)	
15	QPSK	1	0	23.52	23.83	23.62	24.5	0		
15	QPSK	1	37	23.47	23.62	23.55				
15	QPSK	1	74	23.46	23.55	23.54				
15	QPSK	36	0	22.42	22.50	22.52				
15	QPSK	36	0	22.44	22.54	22.55	23.5	1		
15	QPSK	36	36	22.46	22.52	22.50				
15	QPSK	75	0	22.42	22.56	22.43				
15	16QAM	1	0	22.53	22.59	22.42	23.5	1		
15	16QAM	1	37	22.53	22.59	22.42				
15	16QAM	1	74	22.65	22.60	22.38				
15	16QAM	36	0	21.54	21.51	21.56				
15	16QAM	36	20	21.54	21.54	21.52	22.5	2		
15	16QAM	36	36	21.46	21.54	21.44				
15	16QAM	75	0	21.51	21.50	21.47				
15	64QAM	1	0	21.33	21.22	21.27				
15	64QAM	1	37	21.17	21.29	21.27	22.5	2		
15	64QAM	1	74	21.34	21.21	21.22				
15	64QAM	36	0	20.45	20.51	20.56				
15	64QAM	36	20	20.57	20.60	20.44				
15	64QAM	36	39	20.58	20.64	20.41	21.5	3		
15	64QAM	75	0	20.55	20.56	20.56				
15	64QAM	75	0	20.55	20.56	20.56				
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)		MPR (dB)	
10	QPSK	1	0	23.45	23.70	23.55	24.5	0		
10	QPSK	1	25	23.45	23.63	23.47				
10	QPSK	1	49	23.46	23.65	23.49				
10	QPSK	12	0	22.41	22.54	22.53				
10	QPSK	25	12	22.39	22.48	22.45	23.5	1		
10	QPSK	25	25	22.45	22.47	22.49				
10	QPSK	50	0	22.45	22.49	22.44				
10	16QAM	1	0	22.46	22.57	22.51	23.5	1		
10	16QAM	1	25	22.62	22.66	22.52				
10	16QAM	1	49	22.65	22.52	22.46				
10	16QAM	25	0	21.50	21.49	21.56				
10	16QAM	25	12	21.48	21.50	21.55	22.5	2		
10	16QAM	25	25	21.46	21.48	21.49				
10	16QAM	50	0	21.42	21.56	21.40				
10	64QAM	1	0	21.27	21.26	21.28				
10	64QAM	1	25	21.17	21.39	21.32	22.5	2		
10	64QAM	1	49	21.42	21.34	21.02				
10	64QAM	25	0	20.44	20.56	20.47				
10	64QAM	25	12	20.57	20.54	20.48				
10	64QAM	25	25	20.54	20.58	20.42	21.5	3		
10	64QAM	50	0	20.54	20.58	20.44				
10	64QAM	50	0	20.54	20.58	20.44				
Channel				3777.5	38000	38225	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.52	23.68	23.59	24.5	0		
5	QPSK	1	12	23.51	23.63	23.46				
5	QPSK	1	24	23.43	23.67	23.45				
5	QPSK	12	0	22.31	22.57	22.45				
5	QPSK	12	7	22.47	22.57	22.46	23.5	1		
5	QPSK	12	13	22.43	22.53	22.41				
5	QPSK	25	0	22.39	22.47	22.48				
5	16QAM	1	0	22.46	22.57	22.51	23.5	1		
5	16QAM	1	12	22.64	22.58	22.53				
5	16QAM	1	24	22.65	22.53	22.43				
5	16QAM	12	0	21.52	21.50	21.50				
5	16QAM	12	13	21.52	21.56	21.55	22.5	2		
5	16QAM	12	25	21.56	21.58	21.38				
5	16QAM	25	0	21.44	21.48	21.49				
5	64QAM	1	0	21.20	21.31	21.27				
5	64QAM	1	12	21.19	21.34	21.38	22.5	2		
5	64QAM	1	24	21.37	21.35	21.08				
5	64QAM	12	0	20.50	20.58	20.50				
5	64QAM	12	7	20.61	20.55	20.52				
5	64QAM	12	13	20.51	20.56	20.47	21.5	3		
5	64QAM	12	25	20.45	20.45	20.41				
5	64QAM	25	0	20.45	20.45	20.41				

Band 41_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2638.5	2680				
20	QPSK	1	0	23.18	22.93	23.55	23.26	23.48	24.5	0		
20	QPSK	1	49	23.04	22.96	23.53	23.20	23.43				
20	QPSK	1	99	22.93	22.92	23.51	23.06	23.47				
20	QPSK	50	0	22.12	22.10	22.48	22.22	22.43				
20	QPSK	50	24	21.97	21.88	22.42	22.13	22.35	23.5	1		
20	QPSK	50	50	21.94	21.87	22.45	22.15	22.41				
20	QPSK	100	0	22.08	22.00	22.41	22.12	22.20				
20	16QAM	1	0	22.11	22.00	22.43	22.09	22.28				
20	16QAM	1	49	22.08	22.05	22.38	22.18	22.32	23.5	1		
20	16QAM	1	99	21.91	21.88	22.38	22.21	22.35				
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35				
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.38				
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	22.5	2		
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26				
20	64QAM	1	0	20.82	20.58	21.10	20.78	21.01				
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12				
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19	22.5	2		
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32				
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32				
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35				
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35	21.5	3		
Channel				39725	40173	40620	41055	41490				
Frequency (MHz)				2621.5	2664.3	2693	2737.8	2802.5			Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.12	22.87	23.11	23.40	23.53	24.5	0		
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.50				
15	QPSK	1	74	22.86	22.86	23.01	23.45	23.38				
15	QPSK	36	0	22.06	21.97	22.11	22.28	22.40				
15	QPSK	36	0	21.90	21.85	22.06	22.30	22.40	23.5	1		
15	QPSK	36	39	21.90	21.80	22.11	22.31	22.31				
15	QPSK	75	0	21.99	21.86	22.05	22.21	22.38				
15	16QAM	1	0	22.01	21.97	22.06	22.16	22.38				
15	16QAM	1	37	22.00	22.04	22.09	22.26	22.35	23.5	1		
15	16QAM	1	74	21.96	21.96	22.14	22.30	22.28				
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26				
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.31				
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	22.5	2		
15	16QAM	36	0	19.83	19.79	20.96	20.16	20.35				
15	16QAM	36	20	19.92	19.81	20.14	20.25	20.41				
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06				
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08	22.5	2		
15	64QAM	1	74	20.55	20.68	20.88	21.05	20.94				
15	64QAM	36	0	19.83	19.79	20.96	20.16	20.35				
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41				
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.31	21.5	3		
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.31				
Channel				39700	40160	40620	41080	41540			Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2638	2685 <th><th></th></th>	<th></th>			
10	QPSK	1	0	23.07	22.80	23.22	23.38	23.42	24.5	0		
10	QPSK	1	25	22.97	22.82	23.16	23.38	23.41				
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.43				
10	QPSK	25	0	22.10	22.01	22.17	22.41	22.42				
10	QPSK	25	12	21.94	21.87	22.01	22.29	22.39	23.5	1		
10	QPSK	25	25	21.84	21.81	22.10	22.32	22.31				
10	QPSK	50	0	22.05	21.93	22.11	22.15	22.39				
10	16QAM	1	0	22.06	21.89	22.08	22.13	22.32				
10	16QAM	1	25	21.91	21.94	22.11	22.23	22.39	23.5	1		
10	16QAM	1	49	21.89	21.94	22.09	22.24	22.34				
10	16QAM	25	0	20.98	20.89	20.96	21.30	21.39				
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28				
10	16QAM	25	25	20.88	20.91	21.17	21.33	21.34	22.5	2		
10	16QAM	50	0	20.88	20.88	20.98	21.18	21.39				
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02				
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03				
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20	22.5	2		
10	64QAM	25	0	19.92	19.86	20.08	20.29	20.32				
10	64QAM	25	12	19.93	19.93	20.07	20.21	20.36				
10	64QAM	25	25	19.98	19.93	20.12	20.26	20.40				
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38	21.5	3		
Channel				39675	40148	40620	41093	41555 <th>Time-up limit (dBm)</th> <th>MPR (dB)</th>			Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5 <th><th></th></th>			<th></th>	
5	QPSK	1	0	23.11	22.85	23.11	23.47	23.43	24.5	0		
5	QPSK	1	12	23.03	22.94	23.10	23.26	23.43				
5	QPSK	1	24	22.93	22.77	23.03	23.43	23.42				
5	QPSK	12	0	22.01	21.86	22.21	22.35	22.38				
5	QPSK	12	7	21.86	21.86	22.12	22.28	22.30	23.5	1		
5	QPSK	12	13	21.89	21.86	22.13	22.31	22.30				
5	QPSK	25	0	22.01	21.89	21.97	22.23	22.30				
5	16QAM	1	0	21.99	21.92	21.98	22.27	22.42				
5	16QAM	1	12	21.91	21.90	22.09	22.25	22.35	23.5	1		
5	16QAM	1	24	21.90	21.97	22.12	22.27	22.28				
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.39				
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29				
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	22.5	2		
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47				
5	64QAM	1	0	20.70	20.60	20.76	20.90	20.97				
5	64QAM	1	12	20.82	20.58	20.84	21.11	21.11				
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98	21.5	3		
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29				
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34				
5	64QAM	12	13	19.92	19.92	20.06	20.27	20.36	21.5	3		
5	64QAM	25	0	19.95	19.86	20.12	20.22	20.38				
5	64QAM	25	12	19.93	19.89	20.10	20.22	20.38				

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
20	QPSK	1	0	19.43	19.40	19.34	19.42			20	QPSK	1	0	22.53	22.40	22.32	22.55			20	QPSK	1	0	22.43	22.44	22.37	22.51			
20	QPSK	1	49	19.41	19.31	19.27	19.27	20	0	20	QPSK	1	49	22.49	22.39	22.50	22.32	23	0	20	QPSK	1	49	22.41	22.43	22.29	22.33	23	0	
20	QPSK	1	99	19.39	19.31	19.28	19.27			20	QPSK	1	99	22.51	22.38	22.50	22.30			20	QPSK	1	99	22.21	22.38	22.32	22.37			
20	QPSK	50	0	19.42	19.35	19.31	19.34			20	QPSK	50	0	21.27	21.42	21.55	21.43			20	QPSK	50	0	21.47	21.43	21.39	21.45			
20	QPSK	50	24	19.37	19.31	19.21	19.29	20	0	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.32	21.39	22	1	
20	QPSK	50	50	19.40	19.33	19.28	19.28			20	QPSK	50	50	21.46	21.37	21.42	21.27			20	QPSK	50	50	21.31	21.32	21.32	21.33			
20	QPSK	100	0	19.40	19.36	19.23	19.38			20	QPSK	100	0	21.55	21.31	21.44	21.38			20	QPSK	100	0	21.46	21.44	21.31	21.41			
20	16QAM	1	0	19.42	19.35	19.16	19.34			20	16QAM	1	0	21.53	21.32	21.47	21.29			20	16QAM	1	0	21.43	21.48	21.44	21.47			
20	16QAM	1	49	19.31	19.35	19.30	19.29			20	16QAM	1	49	21.46	21.39	21.44	21.31			20	16QAM	1	49	21.34	21.67	21.46	21.52	22	1	
20	16QAM	1	99	19.33	19.31	19.24	19.30			20	16QAM	1	99	21.50	21.28	21.44	21.38			20	16QAM	1	99	21.27	21.52	21.48	21.49			
20	16QAM	50	0	19.33	19.31	19.30	19.40			20	16QAM	50	0	20.65	20.38	20.53	20.43			20	16QAM	50	0	20.29	20.37	20.33	20.48			
20	16QAM	50	24	19.42	19.35	19.30	19.32	20	0	20	16QAM	50	24	20.44	20.33	20.44	20.34			20	16QAM	50	24	20.29	20.44	20.35	20.46	21	2	
20	16QAM	50	50	19.34	19.29	19.26	19.41			20	16QAM	50	50	20.44	20.29	20.52	20.30			20	16QAM	50	50	20.25	20.42	20.31	20.51			
20	16QAM	100	0	19.41	19.38	19.26	19.27			20	16QAM	100	0	20.41	20.30	20.42	20.41			20	16QAM	100	0	20.25	20.39	20.32	20.48			
20	64QAM	1	0	19.34	19.31	19.26	19.39			20	64QAM	1	0	20.54	20.27	20.45	20.39			20	64QAM	1	0	19.92	19.98	19.95	20.07			
20	64QAM	1	49	19.33	19.39	19.31	19.29	20	0	20	64QAM	1	49	20.48	20.29	20.50	20.31	21	2	20	64QAM	1	49	19.88	20.06	19.97	20.11	21	2	
20	64QAM	1	99	19.34	19.38	19.27	19.38			20	64QAM	1	99	20.46	20.35	20.52	20.42			20	64QAM	1	99	19.86	20.02	19.89	20.05			
20	64QAM	50	0	19.31	19.30	19.30	19.38			20	64QAM	50	0	19.60	19.41	19.58	19.45			20	64QAM	50	0	19.32	19.38	19.35	19.46			
20	64QAM	50	24	19.35	19.36	19.25	19.40	20	0	20	64QAM	50	24	19.59	19.41	19.49	19.30			20	64QAM	50	24	19.28	19.44	19.35	19.51	20	3	
20	64QAM	50	50	19.40	19.27	19.30	19.40			20	64QAM	50	50	19.63	19.32	19.51	19.38			20	64QAM	50	50	19.17	19.43	19.31	19.53			
20	64QAM	100	0	19.44	19.35	19.31	19.30	Turn-up limit (dBm)	MPR (dB)	20	64QAM	100	0	19.54	19.40	19.45	19.31	Turn-up limit (dBm)	MPR (dB)	20	64QAM	100	0	19.22	19.39	19.37	19.49	Turn-up limit (dBm)	MPR (dB)	
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
15	QPSK	1	0	19.41	19.39	19.20	19.30			15	QPSK	1	0	22.48	22.19	22.45	22.43			15	QPSK	1	0	22.38	22.21	22.21	22.18			
15	QPSK	1	37	19.27	19.21	19.23	19.19	20	0	15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	15	QPSK	1	37	22.17	22.24	22.11	22.26			
15	QPSK	1	74	19.30	19.29	19.22	19.23			15	QPSK	1	74	22.45	22.09	22.47	22.19			15	QPSK	1	74	22.03	22.31	22.17	22.29			
15	QPSK	36	0	19.30	19.31	19.20	19.33	20	0	15	QPSK	36	0	21.48	21.22	21.40	21.29	22	1	15	QPSK	36	0	21.23	21.27	21.26	21.21			
15	QPSK	36	39	19.27	19.29	19.19	19.25			15	QPSK	36	39	21.47	21.27	21.39	21.40			15	QPSK	36	39	21.24	21.29	21.28	21.24		22	1
15	QPSK	75	0	19.27	19.24	19.22	19.37			15	QPSK	75	0	21.47	21.05	21.36	21.31			15	QPSK	75	0	21.32	21.39	21.17	21.31			
15	16QAM	1	0	19.35	19.28	19.10	19.29			15	16QAM	1	0	21.50	21.11	21.38	21.14	22	1	15	16QAM	1	0	21.30	21.36	21.23	21.28		22	1
15	16QAM	1	37	19.20	19.26	19.24	19.25	20	0	15	16QAM	1	37	21.42	21.19	21.39	21.16			15	16QAM	1	37	21.31	21.49	21.40	21.36			
15	16QAM	1	74	19.24	19.30	19.13	19.16			15	16QAM	1	74	21.43	21.10	21.29	21.29			15	16QAM	1	74	21.08	21.41	21.41	21.29			
15	16QAM	36	0	19.23	19.20	19.26	19.33			15	16QAM	36	0	20.54	20.17	20.50	20.42			15	16QAM	36	0	20.14	20.20	20.21	20.40			
15	16QAM	36	20	19.27	19.25	19.28	19.23	20	0	15	16QAM	36	20	20.30	20.10	20.37	20.30			15	16QAM	36	20	20.08	20.24	20.16	20.32	21	2	
15	16QAM	36	39	19.31	19.34	19.15	19.28			15	16QAM	36	39	20.29	20.04	20.50	20.27			15	16QAM	36	39	20.15	20.25	20.17	20.45			
15	16QAM	75	0	19.26	19.23	19.20	19.23			15	16QAM	75	0	20.32	20.14	20.36	20.37			15	16QAM	75	0	20.09	20.15	20.22	20.32			
15	64QAM	1	0	19.21	19.22	19.21	19.29	20	0	15	64QAM	1	0	20.50	20.01	20.35	20.26			15	64QAM	1	0	19.79	19.74	19.81	20.00			
15	64QAM	1	37	19.19	19.33	19.30	19.19			15	64QAM	1	37	20.35	20.07	20.44	20.30	21	2	15	64QAM	1	37	19.74	19.83	19.82	19.83	21	2	
15	64QAM	1	74	19.28	19.36	19.26	19.37			15	64QAM	1	74	20.35	20.16	20.41	20.29			15	64QAM	1	74	19.80	19.94	19.86	19.98			
15	64QAM	36	0	19.24	19.21	19.19	19.25			15	64QAM	36	0	19.55	19.19	19.48	19.31			15	64QAM	36	0	19.11	19.19	19.30	19.41			
15	64QAM	36	20	19.25	19.23	19.14	19.34			15	64QAM	36	20	19.45	19.17	19.45	19.20			15	64QAM	36	20	19.17	19.33	19.19	19.34	20	3	
15	64QAM	36	39	19.25	19.22	19.27	19.36			15	64QAM	36	39	19.48	19.05	19.36	19.28			15	64QAM	36	39	18.92	19.18	19.07	19.35			
15	64QAM	75	0	19.26	19.26	19.27	19.23	Turn-up limit (dBm)	MPR (dB)	15	64QAM	75	0	19.63	19.12	19.35	19.30	Turn-up limit (dBm)	MPR (dB)	15	64QAM	75	0	19.07	19.25	19.31	19.30	Turn-up limit (dBm)	MPR (dB)	
Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
10	QPSK	1	0	19.42	19.31	19.33	19.36			10	QPSK	1	0	22.47	22.20	22.49	22.37			10	QPSK	1	0	22.21	22.21	22.17	22.32			
10	QPSK	1	25	19.40	19.19	19.17	19.25	20	0	10	QPSK	1	25	22.45	22.22	22.44	22.19	23	0	10	QPSK	1	25	22.33	22.19	22.20	22.29	23	0	
10	QPSK	1	49	19.38	19.16	19.17	19.12			10	QPSK	1	49	22.43	22.19	22.39	22.15			10	QPSK	1	49	21.99	22.17	22.23	22.17			
10	QPSK	25	0	19.37	19.29	19.22	19.21			10	QPSK	25	0	21.42	21.25	21.50	21.33	22	1	10	QPSK	25	0	21.36	21.38	21.27	21.37			
10	QPSK	25	12	19.33	19.20	19.20	19.23			10	QPSK	25	12	21.39	21.03	21.29	21.21			10	QPSK	25	12	21.17	21.17	21.24	21.20			
10	QPSK	25	25	19.29	19.25	19.13	19.13			10	QPSK	25	25	21.43	21.12	21.27	21.24			10	QPSK	25	25	21.21	21.15	21.19	21.28		22	1
10	QPSK	50	0	19.38	19.32	19.15	19.25			10	QPSK	50	0	21.45	21.03	21.43	21.29			10	QPSK	50	0	21.32	21.24	21.11	21.32			
10	16QAM	1	0	19.31	19.08	19.13	19.31			10	16QAM	1	0	21.45	21.13	21.40	21.21	22	1	10	16QAM	1	0	21.30	21.39	21.31	21.27			
10	16QAM	1	25	19.23	19.27	19.24	19.15																							

Part 96_Band 48_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55330	55150	55640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	23.36	23.07	23.26	23.18	24.5	0		
20	QPSK	1	49	23.25	22.97	23.23	23.10				
20	QPSK	1	99	23.22	22.97	23.24	23.07				
20	QPSK	50	0	22.35	22.14	22.26	22.22				
20	QPSK	50	24	22.27	21.99	22.11	22.16	23.5	1		
20	QPSK	50	50	22.29	22.10	22.17	22.10				
20	QPSK	100	0	22.33	22.09	22.09	22.17				
20	16QAM	1	49	22.31	22.01	22.21	22.18				
20	16QAM	1	99	22.22	22.06	22.14	22.14	22.5	2		
20	16QAM	50	0	21.28	21.03	21.17	21.15				
20	16QAM	50	24	21.17	20.91	21.06	21.11				
20	16QAM	50	50	21.23	21.06	21.07	21.03				
20	16QAM	100	0	21.26	20.88	21.05	21.13	22.5	2		
20	64QAM	1	0	21.25	20.91	21.07	21.02				
20	64QAM	1	49	21.14	20.97	21.02	21.14				
20	64QAM	1	99	21.22	20.95	21.02	21.10				
20	64QAM	50	0	20.33	20.09	20.20	20.19	21.5	3		
20	64QAM	50	24	20.31	19.96	20.13	20.13				
20	64QAM	50	50	20.21	19.97	20.07	20.07				
20	64QAM	100	0	20.26	19.98	20.07	20.15				
Channel				55315	55350	55100	55650	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3527.5	3609	36100	3692.5				
15	QPSK	1	0	23.27	22.94	23.13	23.04	24.5	0		
15	QPSK	1	37	23.16	22.89	23.15	22.96				
15	QPSK	1	74	23.07	22.89	23.11	22.92				
15	QPSK	36	0	22.28	22.13	22.20	22.20				
15	QPSK	36	20	22.14	21.90	22.07	22.02	23.5	1		
15	QPSK	36	39	22.21	22.00	22.06	22.00				
15	QPSK	75	0	22.30	22.04	22.00	22.07				
15	16QAM	1	0	22.17	22.03	21.95	22.08				
15	16QAM	1	37	22.26	21.96	22.19	22.04	23.5	1		
15	16QAM	1	74	22.19	21.94	22.02	22.07				
15	16QAM	36	0	21.18	20.91	21.16	21.14				
15	16QAM	36	20	21.05	20.79	21.05	21.09				
15	16QAM	36	39	21.15	20.96	20.97	20.96	22.5	2		
15	16QAM	75	0	21.21	20.97	20.94	20.90				
15	64QAM	1	0	21.14	20.77	20.94	20.93				
15	64QAM	1	37	21.01	20.85	21.00	21.13				
15	64QAM	1	74	21.15	20.91	20.92	21.08	21.5	3		
15	64QAM	36	0	20.26	19.97	20.06	20.16				
15	64QAM	36	20	20.26	19.81	20.11	20.00				
15	64QAM	36	39	20.15	19.91	19.94	20.06				
15	64QAM	75	0	20.18	19.95	19.97	20.08	Tune-up limit (dBm)	MPR (dB)		
Channel				55290	55815	55165	55650				
Frequency (MHz)				3525	3597.5	3642.5	3695				
10	QPSK	1	0	23.28	22.98	23.20	23.12	24.5	0		
10	QPSK	1	25	23.19	22.83	23.11	23.05				
10	QPSK	1	49	23.07	22.83	23.23	22.97				
10	QPSK	25	0	22.24	22.11	22.08	22.12				
10	QPSK	25	12	22.15	21.93	22.04	22.02	23.5	1		
10	QPSK	25	25	22.23	22.04	22.13	21.96				
10	QPSK	50	0	22.30	21.98	21.97	22.10				
10	16QAM	1	0	22.16	21.92	22.06	22.01				
10	16QAM	1	25	22.15	21.97	22.07	22.04	23.5	1		
10	16QAM	1	49	22.10	22.05	22.07	22.11				
10	16QAM	25	0	21.24	20.92	21.07	21.00				
10	16QAM	25	12	21.07	20.77	20.96	21.05				
10	16QAM	25	25	21.14	20.91	21.02	20.95	22.5	2		
10	16QAM	50	0	21.22	20.81	20.99	21.03				
10	64QAM	1	0	21.17	20.81	20.97	20.90				
10	64QAM	1	25	20.99	20.90	20.89	21.13				
10	64QAM	1	49	21.19	20.88	20.97	21.09	21.5	3		
10	64QAM	25	0	20.30	19.94	20.08	20.07				
10	64QAM	25	12	20.22	19.92	20.01	19.96				
10	64QAM	25	25	20.12	19.92	19.96	19.92				
10	64QAM	50	0	20.18	19.84	19.97	20.02	Tune-up limit (dBm)	MPR (dB)		
Channel				55265	55810	55170	55715				
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	23.33	22.99	23.22	23.08	24.5	0		
5	QPSK	1	12	23.13	22.95	23.16	22.99				
5	QPSK	1	24	23.11	22.85	23.20	22.93				
5	QPSK	12	0	22.23	22.09	22.19	22.14				
5	QPSK	12	7	22.15	21.88	22.08	22.14	23.5	1		
5	QPSK	12	13	22.16	22.08	22.02	22.09				
5	QPSK	25	0	22.27	21.97	22.00	22.11				
5	16QAM	1	0	22.15	22.04	21.93	22.10				
5	16QAM	1	12	22.21	21.89	22.12	22.13	23.5	1		
5	16QAM	1	24	22.06	21.92	22.05	22.02				
5	16QAM	12	0	21.19	20.91	21.07	21.13				
5	16QAM	12	7	21.12	20.84	20.93	21.04				
5	16QAM	12	13	21.20	20.88	20.95	20.90	22.5	2		
5	16QAM	25	0	21.19	20.82	21.03	21.08				
5	64QAM	1	0	21.15	20.76	21.02	20.96				
5	64QAM	1	12	21.04	20.92	20.90	21.02				
5	64QAM	1	24	21.13	20.80	20.91	21.01	21.5	3		
5	64QAM	12	0	20.26	20.02	20.12	20.09				
5	64QAM	12	7	20.18	19.87	20.08	20.00				
5	64QAM	12	13	20.09	19.93	20.03	19.93				
5	64QAM	25	0	20.22	19.93	19.96	20.02	Tune-up limit (dBm)	MPR (dB)		
Channel				55265	55810	55170	55715				
Frequency (MHz)				3552.5	3607	3643	3697.5				

Reduced Power Mode for EC116

GSM850_Ant 0	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05
EDGE 2 Tx slots		25.82	25.85	25.96	27.00	19.82	19.85	19.96
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57

GSM1900_Ant 1	Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up
TX Channel	512	661	810	Limit (dbm)	512	661	810	Limit (dbm)
Frequency (MHz)	1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot	29.26	29.56	29.51	30.50	20.26	20.56	20.51	21.50
GPRS 1 Tx slot	29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots	27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots	26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.24
GPRS 4 Tx slots	24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot	25.82	25.82	25.81	27.00	16.82	16.82	16.81	17.50
EDGE 2 Tx slots	24.49	24.71	24.65	26.00	16.49	16.71	16.65	20.00
EDGE 3 Tx slots	22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots	20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4	Burst Average Power (dBm)				Frame-Average Power (dBm)			
TX Channel	512			Tune-up Limit	512			Tune-up Limit
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GPRS 1 Tx slot	27.19	27.30	27.31	28.00	18.19	18.30	18.31	19.00
GPRS 2 Tx slots	25.47	25.52	25.62	26.00	19.47	19.52	19.62	20.00
GPRS 3 Tx slots	24.22	24.31	24.43	25.00	19.96	20.05	20.17	20.74
GPRS 4 Tx slots	22.96	23.03	23.08	24.00	19.96	20.03	20.08	21.00
EDGE 1 Tx slot	23.20	23.31	23.34	24.50	14.20	14.31	14.34	15.50
EDGE 2 Tx slots	21.81	22.04	22.12	23.50	15.81	16.04	16.12	17.50
EDGE 3 Tx slots	19.58	19.66	19.72	21.00	15.32	15.40	15.46	16.74
EDGE 4 Tx slots	18.21	18.38	18.34	19.50	15.21	15.38	15.34	16.50

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.89	19.85	19.96	21.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	19.97	20.05	20.02	21.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	18.98	19.11	19.19	20.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	18.92	19.01	19.15	20.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	18.50	18.48	18.70	19.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	18.52	18.51	18.73	19.50	22.53	22.62	22.57	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.87	19.04	19.14	20.00	22.96	23.07	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.96	18.96	19.12	20.00	22.87	23.04	23.06	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	18.47	18.56	18.59	19.50	22.55	22.55	22.62	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	18.44	18.52	18.57	19.50	22.51	22.46	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	17.12	17.11	17.06	18.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	17.06	17.08	17.14	18.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	18.11	18.05	18.20	19.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	16.65	16.66	16.67	18.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	18.12	18.15	18.09	20.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.90	17.08	17.06	18.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.91	18.91	18.89	20.00	19.75	19.77	19.73	21.00
3GPP Rel 99	RMC 12.2Kbps	18.93	18.96	18.97	20.00	19.84	19.90	19.93	21.00
3GPP Rel 6	HSDPA Subtest-1	18.12	18.35	18.36	19.00	19.16	19.18	19.23	20.00
3GPP Rel 6	HSDPA Subtest-2	18.24	18.35	18.26	19.00	19.00	19.12	19.14	20.00
3GPP Rel 6	HSDPA Subtest-3	17.62	17.73	17.83	18.50	18.55	18.60	18.61	19.50
3GPP Rel 6	HSDPA Subtest-4	17.66	17.71	17.90	18.50	18.56	18.60	18.65	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	17.98	18.11	18.22	19.00	19.06	18.96	19.05	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.11	18.18	18.16	19.00	18.91	18.93	19.11	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.61	17.65	17.79	18.50	18.35	18.53	18.48	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.51	17.70	17.67	18.50	18.53	18.35	18.56	19.50
3GPP Rel 6	HSUPA Subtest-1	16.28	16.30	16.30	17.00	16.79	17.17	17.12	18.00
3GPP Rel 6	HSUPA Subtest-2	16.27	16.29	16.42	17.00	16.82	17.10	17.13	18.00
3GPP Rel 6	HSUPA Subtest-3	17.30	17.29	17.29	18.00	18.04	18.06	18.10	19.00
3GPP Rel 6	HSUPA Subtest-4	15.83	15.80	15.87	17.00	15.59	16.67	16.80	18.00
3GPP Rel 6	HSUPA Subtest-5	17.21	17.32	17.48	19.00	18.19	18.20	18.13	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.10	16.18	16.10	17.50	17.01	17.12	17.04	18.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tuneup Limit (dbm)
Tx Channel	128	189	251			128	189	251		
Frequency (MHz)	824.2	836.4	848.8		(dBm)	824.2	836.4	848.8		
GSM 1 Tx slot	32.05	32.26	32.11			23.05	23.26	23.11	24.00	
GPRS 1 Tx slot	32.01	32.21	32.05			33.00	23.01	23.05	24.00	
GPRS 2 Tx slots	30.12	30.26	30.13			31.00	24.12	24.26	24.13	
GPRS 3 Tx slots	27.86	28.04	27.92			29.00	23.60	23.78	23.66	
GPRS 4 Tx slots	26.72	26.87	26.77			28.00	23.72	23.87	23.77	
EDGE 1 Tx slot	26.82	26.77	26.77			27.50	17.82	17.77	17.77	
EDGE 2 Tx slots	25.70	25.68	25.65			26.50	19.70	19.68	19.65	
EDGE 3 Tx slots	23.43	23.48	23.32			24.50	19.17	19.22	19.06	
EDGE 4 Tx slots	22.27	22.27	22.24			23.50	19.27	19.27	19.24	

GSM1900_Ant 2	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)	
Tx Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	1850.2	1860	1869.8	1850.2	1860	1869.8
GSM 1 Tx slot	28.68	28.79	28.74	30.50	20.68	20.79	20.74	21.50	21.50
GPRS 1 Tx slot	28.66	28.77	28.73	30.50	20.66	20.77	20.73	21.50	21.50
GPRS 2 Tx slots	27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50	22.50
GPRS 3 Tx slots	26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24	23.24
GPRS 4 Tx slots	25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50	23.50
EDGE 1 Tx slot	25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00	18.00
EDGE 2 Tx slots	24.78	24.88	24.84	26.00	16.78	16.88	16.84	17.25	17.25
EDGE 3 Tx slots	22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.24	19.24
EDGE 4 Tx slots	21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.07	23.92	25.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMC 12.2Kbps	24.05	24.10	24.03	25.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	23.20	23.32	23.26	24.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.30	23.25	24.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.78	22.78	22.80	23.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.79	22.77	23.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.11	23.24	23.25	24.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.15	23.13	24.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.74	22.76	22.66	23.50	22.56	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.62	22.68	22.70	23.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	21.25	21.32	21.28	22.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.35	21.31	22.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.20	22.24	23.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.78	20.75	20.80	22.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.30	24.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.11	21.25	21.16	22.50	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	20.25	20.32	20.29	21.5	0		
20	QPSK	1	49	20.10	20.20	20.15				
20	QPSK	1	99	20.15	20.23	20.14				
20	QPSK	50	0	20.22	20.30	20.27	21.5	0		
20	QPSK	50	24	20.04	20.28	20.13				
20	QPSK	50	50	20.13	20.19	20.12				
20	QPSK	100	0	20.21	20.26	20.13	21.5	0		
20	16QAM	1	0	20.17	20.12	20.21				
20	16QAM	1	49	20.12	20.21	20.14				
20	16QAM	1	99	20.23	20.28	20.15	21.5	0		
20	16QAM	50	0	20.22	20.28	20.17				
20	16QAM	50	24	20.22	20.23	20.20				
20	16QAM	50	50	19.97	20.09	20.10	21.5	0		
20	16QAM	100	0	20.00	20.10	20.02				
20	64QAM	1	0	20.20	20.18	20.24				
20	64QAM	1	49	20.03	20.25	20.11	21.5	0		
20	64QAM	1	99	20.10	20.18	20.08				
20	64QAM	50	0	20.20	20.25	20.05				
20	64QAM	50	24	20.12	20.01	20.16	21.5	0		
20	64QAM	50	50	19.99	20.06	20.06				
20	64QAM	100	0	20.11	20.13	20.13				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18800	1902.5				
15	QPSK	1	0	20.22	20.22	20.18	21.5	0		
15	QPSK	1	37	19.99	20.17	20.04				
15	QPSK	1	74	20.13	20.14	20.06				
15	QPSK	36	0	20.15	20.22	20.24	21.5	0		
15	QPSK	36	20	20.03	20.13	20.05				
15	QPSK	36	39	20.11	20.04	20.03				
15	QPSK	75	0	20.13	20.18	20.12	21.5	0		
15	16QAM	1	0	20.14	20.09	20.13				
15	16QAM	1	37	20.00	20.13	20.01				
15	16QAM	1	74	20.08	20.14	20.10	21.5	0		
15	16QAM	36	0	20.07	20.14	20.13				
15	16QAM	36	20	20.10	20.21	20.12				
15	16QAM	36	39	19.85	19.98	20.06	21.5	0		
15	16QAM	75	0	19.95	20.06	20.00				
15	64QAM	1	0	20.05	20.11	20.17				
15	64QAM	1	37	20.01	20.17	20.00	21.5	0		
15	64QAM	1	74	20.03	20.07	19.95				
15	64QAM	36	0	20.10	20.16	20.04				
15	64QAM	36	20	20.11	19.94	20.02	21.5	0		
15	64QAM	36	39	19.87	20.00	20.02				
15	64QAM	75	0	20.08	20.08	20.11				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	20.24	20.24	20.21	21.5	0		
10	QPSK	1	25	20.01	20.07	20.05				
10	QPSK	1	49	20.06	20.18	20.10				
10	QPSK	25	0	20.17	20.16	20.14	21.5	0		
10	QPSK	25	12	19.93	20.15	19.98				
10	QPSK	25	25	20.10	20.07	20.07				
10	QPSK	50	0	20.08	20.21	20.01	21.5	0		
10	16QAM	1	0	20.09	20.09	20.18				
10	16QAM	1	25	20.09	20.20	20.05				
10	16QAM	1	49	20.08	20.17	20.02	21.5	0		
10	16QAM	25	0	20.21	20.19	20.06				
10	16QAM	25	12	20.18	20.19	20.11				
10	16QAM	25	25	19.85	20.04	20.06	21.5	0		
10	16QAM	50	0	19.93	20.01	19.87				
10	64QAM	1	0	20.17	20.03	20.23				
10	64QAM	1	25	19.96	20.11	20.10	21.5	0		
10	64QAM	1	49	19.86	20.16	19.95				
10	64QAM	25	0	20.18	20.16	19.97				
10	64QAM	25	12	20.09	19.93	20.04	21.5	0		
10	64QAM	25	25	19.97	20.00	20.03				
10	64QAM	50	0	20.02	19.98	20.05				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	20.24	20.18	20.16	21.5	0		
5	QPSK	1	12	20.02	20.12	20.13				
5	QPSK	1	24	20.09	20.21	20.02				
5	QPSK	12	0	20.21	20.21	20.18	21.5	0		
5	QPSK	12	7	20.00	20.26	20.03				
5	QPSK	12	13	20.00	20.07	20.04				
5	QPSK	25	0	20.18	20.24	20.10	21.5	0		
5	16QAM	1	0	20.13	20.08	20.06				
5	16QAM	1	12	19.97	20.06	20.09				
5	16QAM	1	24	20.08	20.19	20.06	21.5	0		
5	16QAM	12	0	20.07	20.23	20.16				
5	16QAM	12	7	20.08	20.15	20.07				
5	16QAM	12	13	19.94	20.08	20.08	21.5	0		
5	16QAM	25	0	19.92	20.04	19.98				
5	64QAM	1	0	20.12	20.05	20.20				
5	64QAM	1	12	20.02	20.11	20.02	21.5	0		
5	64QAM	1	24	20.08	20.10	20.09				
5	64QAM	12	0	20.13	20.15	20.01				
5	64QAM	12	7	20.05	19.88	20.14	21.5	0		
5	64QAM	12	13	19.84	19.91	20.03				
5	64QAM	25	0	19.97	20.07	20.08				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	20.21	20.25	20.21	21.5	0		
3	QPSK	1	8	20.09	20.17	20.12				
3	QPSK	1	14	20.05	20.15	20.11				
3	QPSK	8	0	20.07	20.22	20.24	21.5	0		
3	QPSK	8	4	19.84	20.23	19.99				
3	QPSK	8	7	20.09	20.18	20.09				
3	QPSK	15	0	20.16	20.15	19.99	21.5	0		
3	16QAM	1	0	20.13	20.11	20.07				
3	16QAM	1	8	20.08	20.07	20.05				
3	16QAM	1	14	20.22	20.25	20.10	21.5	0		
3	16QAM	8	0	20.21	20.13	20.06				
3	16QAM	8	4	20.10	20.16	20.09				
3	16QAM	8	7	19.93	19.94	20.00	21.5	0		
3	16QAM	15	0	19.93	20.00	19.93				
3	64QAM	1	0	20.16	20.14	20.10				
3	64QAM	1	8	19.95	20.17	19.96	21.5	0		
3	64QAM	1	14	19.95	20.04	20.06				
3	64QAM	8	0	20.16	20.10	19.96				
3	64QAM	8	4	20.06	19.98	20.08	21.5	0		
3	64QAM	8	7	19.89	19.91	19.96				
3	64QAM	15	0	20.08	20.00	20.11				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	20.14	20.26	20.28	21.5	0		
1.4	QPSK	1	3	20.07	20.16	20.05				
1.4	QPSK	1	5	20.01	20.18	20.01				
1.4	QPSK	3	0	20.20	20.14	20.21	21.5	0		
1.4	QPSK	3	1	20.01	20.25	20.11				
1.4	QPSK	3	3	19.99	20.18	20.02				
1.4	QPSK	6	0	20.19	20.24	19.98	21.5	0		
1.4	16QAM	1	0	20.16	19.97	20.09				
1.4	16QAM	1	3	20.04	20.06	20.05				
1.4	16QAM	1	5	20.19	20.23	20.03	21.5	0		
1.4	16QAM	3	0	20.12	20.16	20.12				
1.4	16QAM	3	0	20.16	20.19	20.01				
1.4	16QAM	3	3	19.90	20.08	19.04	21.5	0		
1.4	16QAM	6	0	19.95	20.03	20.07				
1.4	64QAM	1	0	20.15	20.10	20.11				
1.4	64QAM	1	3	19.92	20.23	20.00	21.5	0		
1.4	64QAM	1	5	19.98	20.12	19.94				
1.4	64QAM	3	0	20.13	20.16	19.97				
1.4	64QAM	3	1	20.02	19.92	20.13	21.5	0		
1.4	64QAM	3	1	19.94	19.99	19.94				
1.4	64QAM	6	0	19.99	20.01	20.10				

Band 4_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.29	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.19	22.26			
20	QPSK	100	0	22.24	22.29	22.26	23.5	1	
20	16QAM	1	49	22.52	22.53	22.49			
20	16QAM	1	99	22.53	22.51	22.48			
20	16QAM	1	49	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.18	21.24			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	22.5	2	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.22	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.10			
10	QPSK	25	25	22.14	22.14	22.18			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.19			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.18	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.24			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.14	22.24	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.21			
5	QPSK	12	13	22.18	22.15	22.24			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.07	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.14	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.18	22.12			
3	QPSK	15	0	22.09	22.27	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.40			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.30	21.43	21.29			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.08	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.16			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1	
1.4	16QAM	1	0	22.40	22.38	22.36	23.5	1	
1.4	16QAM	1	3	22.48	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45			
1.4	16QAM	3	0	22.38	22.42	22.39	22.5	2	
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46			
1.4	64QAM	1	0	21.23	21.38	21.36	22.5	2	
1.4	64QAM	1	3	21.29	21.37	21.41			
1.4	64QAM	1	5	21.16	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26	22.5	2	
1.4	64QAM	3	1	21.40	21.28	21.30			
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3	

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.76	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74				
10	QPSK	25	12	22.63	22.67	22.72	24	1		
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73				
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02	24	1		
10	16QAM	1	49	22.71	23.00	22.97				
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95				
10	64QAM	1	49	21.84	21.98	21.81	23	2		
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69				
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74	22	3		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61				
5	QPSK	12	7	22.51	22.56	22.71	24	1		
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.62				
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93	24	1		
5	16QAM	1	24	22.67	22.90	22.86				
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94				
5	64QAM	1	24	21.72	21.93	21.76	23	2		
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58				
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74	22	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71				
3	QPSK	8	4	22.62	22.59	22.69	24	1		
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64				
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97	24	1		
3	16QAM	1	14	22.68	22.88	22.91				
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88				
3	64QAM	1	14	21.70	21.85	21.70	23	2		
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57				
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65	22	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85				
1.4	QPSK	3	1	23.63	23.68	23.45	24	1		
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65				
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00	24	1		
1.4	16QAM	1	5	22.66	22.86	22.84				
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92				
1.4	64QAM	1	5	21.80	21.86	21.80	23	2		
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70				
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77	22	3		

Band 5_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.63	23.66	23.64	25	0				
10	QPSK	1	25	23.49	23.44	23.50						
10	QPSK	1	49	23.47	23.61	23.57						
10	QPSK	25	0	22.59	22.63	22.55						
10	QPSK	25	12	22.54	22.49	22.50	24	1				
10	QPSK	25	25	22.55	22.56	22.47						
10	QPSK	50	0	22.56	22.60	22.52						
10	16QAM	1	0	22.85	23.05	22.80						
10	16QAM	1	25	22.71	22.81	23.01	24	1				
10	16QAM	1	49	22.88	22.87	22.93						
10	16QAM	25	0	21.57	21.47	21.60						
10	16QAM	25	12	21.62	21.42	21.64						
10	16QAM	25	25	21.61	21.48	21.62	23	2				
10	16QAM	50	0	21.61	21.46	21.61						
10	64QAM	1	0	21.75	21.87	21.80						
10	64QAM	1	25	21.76	21.60	21.66						
10	64QAM	1	49	21.62	21.68	21.94	23	2				
10	64QAM	25	0	20.50	20.53	20.61						
10	64QAM	25	12	20.49	20.48	20.48	22	3				
10	64QAM	25	25	20.52	20.58	20.52						
10	64QAM	50	0	20.51	20.50	20.61						
Channel				20425	20505	20625				Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.51	23.64	23.58	25	0				
5	QPSK	1	12	23.41	23.42	23.42						
5	QPSK	1	24	23.32	23.59	23.52						
5	QPSK	12	0	22.48	22.58	22.40						
5	QPSK	12	7	22.52	22.46	22.45	24	1				
5	QPSK	12	13	22.40	22.39	22.33						
5	QPSK	25	0	22.54	22.57	22.48						
5	16QAM	1	0	22.84	23.03	22.96						
5	16QAM	1	12	22.58	22.71	22.60	24	1				
5	16QAM	1	24	22.80	22.84	22.92						
5	16QAM	12	0	21.49	21.46	21.53						
5	16QAM	12	7	21.58	21.30	21.51						
5	16QAM	12	13	21.53	21.41	21.63	23	2				
5	16QAM	25	0	21.58	21.39	21.63						
5	64QAM	1	0	21.63	21.81	21.75						
5	64QAM	1	12	21.61	21.56	21.64						
5	64QAM	1	24	21.48	21.59	21.85	23	2				
5	64QAM	12	0	20.40	20.40	20.48						
5	64QAM	12	7	20.34	20.36	20.36						
5	64QAM	12	13	20.40	20.56	20.41						
5	64QAM	25	0	20.42	20.50	20.55	22	3				
Channel				20415	20525	20635				Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	23.54	23.64	23.61				25	0	
3	QPSK	1	8	23.35	23.41	23.40						
3	QPSK	1	14	23.44	23.53	23.48						
3	QPSK	8	0	22.53	22.61	22.42						
3	QPSK	8	4	22.43	22.44	22.40	24	1				
3	QPSK	8	7	22.41	22.52	22.40						
3	QPSK	15	0	22.54	22.56	22.44						
3	16QAM	1	0	22.80	22.93	22.73						
3	16QAM	1	8	22.70	22.78	22.89	24	1				
3	16QAM	1	14	22.77	22.83	22.83						
3	16QAM	8	0	21.53	21.37	21.46						
3	16QAM	8	7	21.57	21.31	21.53						
3	16QAM	8	13	21.53	21.37	21.56	23	2				
3	16QAM	15	0	21.59	21.31	21.47						
3	64QAM	1	0	21.63	21.78	21.79						
3	64QAM	1	8	21.65	21.53	21.55						
3	64QAM	1	14	21.55	21.61	21.88	23	2				
3	64QAM	8	0	20.49	20.41	20.60						
3	64QAM	8	4	20.36	20.44	20.36						
3	64QAM	8	7	20.49	20.47	20.40						
3	64QAM	15	0	20.43	20.42	20.48	22	3				
Channel				20407	20525	20643				Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.57	23.56	23.57				25	0	
1.4	QPSK	1	3	23.46	23.42	23.40						
1.4	QPSK	1	5	23.37	23.51	23.43						
1.4	QPSK	3	0	23.54	23.60	23.54						
1.4	QPSK	3	1	23.45	23.29	23.49	24	1				
1.4	QPSK	3	3	23.46	23.54	23.45						
1.4	QPSK	6	0	22.43	22.47	22.39						
1.4	16QAM	1	0	22.78	22.99	22.67						
1.4	16QAM	1	3	22.40	21.87	22.89	24	1				
1.4	16QAM	1	5	22.87	22.79	22.87						
1.4	16QAM	3	0	22.80	23.02	22.79						
1.4	16QAM	3	1	22.66	22.79	22.90						
1.4	16QAM	3	3	22.74	22.72	22.86	23	2				
1.4	16QAM	6	0	21.50	21.37	21.58						
1.4	64QAM	1	0	21.71	21.77	21.67						
1.4	64QAM	1	3	21.62	21.53	21.63						
1.4	64QAM	1	5	21.57	21.67	21.53	23	2				
1.4	64QAM	3	0	21.61	21.85	21.68						
1.4	64QAM	3	1	21.63	21.59	21.57						
1.4	64QAM	3	3	21.60	21.54	21.91						
1.4	64QAM	6	0	20.45	20.42	20.50	22	3	3			

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77	24.5	0	
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71			
20	QPSK	50	0	22.73	22.79	22.76	23.5	1	
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.73	22.69			
20	16QAM	1	0	22.82	22.90	22.95	23.5	1	
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72			
20	16QAM	50	24	21.66	21.75	21.69	22.5	2	
20	16QAM	50	50	21.74	21.75	21.71			
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.76	20.72			
Channel				20925	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.67	23.79	23.76	24.5	0	
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60	23.5	1	
15	16QAM	1	0	22.67	22.86	22.88			
15	16QAM	1	37	22.83	22.80	22.76	22.5	2	
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60	22.5	2	
15	16QAM	36	39	21.62	21.68	21.58			
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01	22.5	2	
15	64QAM	1	37	21.73	21.89	21.73			
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62	21.5	3	
15	64QAM	36	20	20.58	20.81	20.56			
15	64QAM	36	39	20.56	20.77	20.69			
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.65	23.79	23.72	24.5	0	
10	QPSK	1	25	23.64	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64			
10	16QAM	1	0	22.75	22.80	22.88	23.5	1	
10	16QAM	1	25	22.80	22.88	22.77			
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57	22.5	2	
10	16QAM	25	25	21.62	21.67	21.68			
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90	22.5	2	
10	64QAM	1	25	21.67	21.81	21.84			
10	64QAM	1	49	21.67	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74	21.5	3	
10	64QAM	25	12	20.65	20.73	20.69			
10	64QAM	25	25	20.60	20.72	20.62			
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.60	23.85	23.65	24.5	0	
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.68	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65	23.5	1	
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72	22.5	2	
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.55	21.65	21.67			
5	16QAM	12	7	21.57	21.64	21.58	22.5	2	
5	16QAM	12	13	21.61	21.67	21.65			
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98	22.5	2	
5	64QAM	1	12	21.64	21.82	21.77			
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62	21.5	3	
5	64QAM	12	7	20.57	20.68	20.67			
5	64QAM	12	13	20.62	20.75	20.57			
5	64QAM	25	0	20.62	20.73	20.68			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.05	20.06	19.96	21	0	
20	QPSK	1	49	20.02	19.95	19.87			
20	QPSK	1	99	19.98	19.94	19.85			
20	QPSK	50	0	20.00	20.06	19.90	21	0	
20	QPSK	50	24	19.96	19.85	19.79			
20	QPSK	50	50	19.89	20.02	19.79			
20	QPSK	100	0	19.87	19.96	19.84	21	0	
20	16QAM	1	0	19.83	19.96	19.89			
20	16QAM	1	49	19.91	20.02	19.90			
20	16QAM	1	99	19.88	19.95	19.85	21	0	
20	16QAM	50	0	19.85	19.86	19.87			
20	16QAM	50	24	19.89	20.03	19.81			
20	16QAM	50	50	20.01	19.85	19.92	21	0	
20	16QAM	100	0	19.98	20.00	19.73			
20	64QAM	1	0	19.96	19.96	19.93			
20	64QAM	1	49	19.86	19.95	19.95	21	0	
20	64QAM	1	99	20.00	20.03	19.85			
20	64QAM	50	0	19.92	20.03	19.78			
20	64QAM	50	24	19.96	20.00	19.96	21	0	
20	64QAM	50	50	19.91	19.84	19.88			
20	64QAM	100	0	20.01	20.02	19.89			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.96	19.96	19.93	21	0	
15	QPSK	1	37	19.90	19.81	19.73			
15	QPSK	1	74	19.94	19.89	19.79			
15	QPSK	36	0	19.88	19.93	19.65	21	0	
15	QPSK	36	20	19.93	19.78	19.76			
15	QPSK	36	39	19.74	19.92	19.65			
15	QPSK	75	0	19.77	19.83	19.79	21	0	
15	16QAM	1	0	19.73	19.87	19.81			
15	16QAM	1	37	19.80	19.88	19.83			
15	16QAM	1	74	19.73	19.89	19.78	21	0	
15	16QAM	36	0	19.74	19.74	19.74			
15	16QAM	36	20	19.86	19.97	19.70			
15	16QAM	36	39	19.98	19.71	19.81	21	0	
15	16QAM	75	0	19.82	19.86	19.80			
15	64QAM	1	0	19.82	19.81	19.80			
15	64QAM	1	37	19.84	19.87	19.83	21	0	
15	64QAM	1	74	19.92	20.01	19.84			
15	64QAM	36	0	19.81	19.95	19.72			
15	64QAM	36	20	19.85	19.93	19.81	21	0	
15	64QAM	36	39	19.79	19.69	19.75			
15	64QAM	75	0	19.90	19.97	19.78			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.90	20.00	19.92	21	0	
10	QPSK	1	25	19.94	19.91	19.86			
10	QPSK	1	49	19.93	19.82	19.73			
10	QPSK	25	0	19.88	20.00	19.73	21	0	
10	QPSK	25	12	19.81	19.75	19.66			
10	QPSK	25	25	19.77	19.90	19.76			
10	QPSK	50	0	19.81	19.95	19.79	21	0	
10	16QAM	1	0	19.74	19.87	19.88			
10	16QAM	1	25	19.84	19.95	19.81			
10	16QAM	1	49	19.81	19.81	19.73	21	0	
10	16QAM	25	0	19.70	19.94	19.73			
10	16QAM	25	12	19.81	19.91	19.87			
10	16QAM	25	25	19.97	19.73	19.78	21	0	
10	16QAM	50	0	19.93	19.92	19.68			
10	64QAM	1	0	19.83	19.81	19.78			
10	64QAM	1	25	19.83	19.91	19.81	21	0	
10	64QAM	1	49	19.90	19.91	19.75			
10	64QAM	25	0	19.81	19.91	19.77			
10	64QAM	25	12	19.86	19.93	19.81	21	0	
10	64QAM	25	25	19.87	19.86	19.86			
10	64QAM	50	0	19.93	19.88	19.69			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.97	19.97	19.97	21	0	
5	QPSK	1	12	20.00	19.92	19.81			
5	QPSK	1	24	19.95	19.91	19.84			
5	QPSK	12	0	19.96	19.94	19.75	21	0	
5	QPSK	12	7	19.92	19.74	19.77			
5	QPSK	12	13	19.78	19.92	19.72			
5	QPSK	25	0	19.79	19.90	19.73	21	0	
5	16QAM	1	0	19.86	19.97	19.87			
5	16QAM	1	12	19.88	19.91	19.80			
5	16QAM	1	24	19.87	19.89	19.81	21	0	
5	16QAM	12	0	19.79	19.80	19.80			
5	16QAM	12	7	19.81	20.02	19.76			
5	16QAM	12	13	19.90	19.77	19.77	21	0	
5	16QAM	25	0	19.84	19.91	19.63			
5	64QAM	1	0	19.90	19.83	19.92			
5	64QAM	1	12	19.74	19.94	19.84	21	0	
5	64QAM	1	24	19.82	19.92	19.73			
5	64QAM	12	0	19.83	19.86	19.75			
5	64QAM	12	7	19.87	19.94	19.86	21	0	
5	64QAM	12	13	19.82	19.83	19.80			
5	64QAM	25	0	20.00	19.96	19.71			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.60				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37	23.5	1		
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81	22.5	2		
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1		
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1		
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2		
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.62				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	2		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23750	23790	23800						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.35	23.40	23.38	24.5	0				
10	QPSK	1	25	23.33	23.38	23.30						
10	QPSK	1	49	23.30	23.23	23.24						
10	QPSK	25	0	22.31	22.33	22.28						
10	QPSK	25	12	22.25	22.31	22.25	23.5	1				
10	QPSK	25	25	22.29	22.21	22.25						
10	QPSK	50	0	22.25	22.25	22.21						
10	16QAM	1	0	22.45	22.25	22.50						
10	16QAM	1	25	22.58	22.41	22.60	23.5	1				
10	16QAM	1	49	22.43	22.42	22.61						
10	16QAM	25	0	21.19	21.21	21.19						
10	16QAM	25	12	21.18	21.32	21.23						
10	16QAM	25	25	21.22	21.27	21.18	22.5	2				
10	16QAM	50	0	21.20	21.29	21.19						
10	64QAM	1	0	21.46	21.32	21.38						
10	64QAM	1	25	21.40	21.52	21.54						
10	64QAM	1	49	21.52	21.34	21.56	22.5	2				
10	64QAM	25	0	20.30	20.18	20.25						
10	64QAM	25	12	20.23	20.22	20.29						
10	64QAM	25	25	20.32	20.22	20.26						
10	64QAM	50	0	20.23	20.20	20.24	21.5	3				
Channel				23755	23790	23825						
Frequency (MHz)				706.5 <th>710<th>713.5<th></th><th></th><th></th></th></th>	710 <th>713.5<th></th><th></th><th></th></th>	713.5 <th></th> <th></th> <th></th>						
										Tune-up limit (dBm)		MPR (dB)
5	QPSK	1	0	23.33	23.35	23.23	23.5	0				
5	QPSK	1	12	23.33	23.35	23.09						
5	QPSK	1	24	23.26	23.10	23.24						
5	QPSK	12	0	22.26	22.18	22.22						
5	QPSK	12	7	22.16	22.27	22.18	23.5	1				
5	QPSK	12	13	22.16	22.18	22.22						
5	QPSK	25	0	22.17	22.23	22.12						
5	16QAM	1	0	22.39	22.17	22.48						
5	16QAM	1	12	22.57	22.40	22.52	23.5	1				
5	16QAM	1	24	22.41	22.19	22.46						
5	16QAM	12	0	21.12	21.14	21.07						
5	16QAM	12	7	21.12	21.19	21.11						
5	16QAM	12	13	21.11	21.15	21.09	22.5	2				
5	16QAM	25	0	21.14	21.24	21.12						
5	64QAM	1	0	21.45	21.20	21.35						
5	64QAM	1	12	21.29	21.40	21.44						
5	64QAM	1	24	21.44	21.27	21.56	22.5	2				
5	64QAM	12	0	20.17	20.17	20.09						
5	64QAM	12	7	20.21	20.10	20.23						
5	64QAM	12	13	20.23	20.19	20.24						
5	64QAM	25	0	20.17	20.06	20.13	21.5	3				

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	23.5	1	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	23.5	1	
15	QPSK	36	20	22.71	22.86	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	16QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	22.5	2	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	24.5	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77	24.5	0	
10	QPSK	1	25	23.64	23.84	23.68			
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75	23.5	1	
10	QPSK	25	12	22.68	22.78	22.65			
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68	23.5	1	
10	16QAM	1	0	22.95	23.03	23.10			
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.90	23.01	23.05	22.5	2	
10	16QAM	25	0	21.52	21.67	21.75			
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71	22.5	2	
10	16QAM	50	0	21.74	21.73	21.88			
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97	21.5	3	
10	64QAM	1	49	22.00	22.05	22.02			
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84	21.5	3	
10	64QAM	25	25	20.71	20.79	20.85			
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	24.5	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.90	23.77	23.5	1	
5	QPSK	1	12	23.70	23.86	23.81			
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72	23.5	1	
5	QPSK	12	7	22.61	22.68	22.66			
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78	23.5	1	
5	16QAM	1	0	22.96	22.95	23.05			
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06	22.5	2	
5	16QAM	12	0	21.60	21.64	21.80			
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76	22.5	2	
5	16QAM	25	0	21.66	21.76	21.89			
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94	21.5	3	
5	64QAM	1	24	22.05	22.09	22.04			
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78	21.5	3	
5	64QAM	12	13	20.74	20.78	20.80			
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	24.5	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.79	23.5	1	
3	QPSK	1	8	23.61	23.82	23.72			
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71	23.5	1	
3	QPSK	8	4	22.63	22.76	22.75			
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76	23.5	1	
3	16QAM	1	0	22.85	23.03	23.09			
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.71	22.5	2	
3	16QAM	8	0	21.50	21.63	21.79			
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76	22.5	2	
3	16QAM	15	0	21.63	21.73	21.78			
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95	21.5	3	
3	64QAM	1	14	22.00	22.08	22.00			
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78	21.5	3	
3	64QAM	8	7	20.71	20.74	20.80			
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	24.5	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77	24.5	0	
1.4	QPSK	1	3	23.59	23.79	23.73			
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.75	23.5	1	
1.4	QPSK	3	1	23.63	23.78	23.72			
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76	23.5	1	
1.4	16QAM	1	0	22.87	23.02	23.03			
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97	22.5	2	
1.4	16QAM	3	0	22.95	22.94	23.10			
1.4	16QAM	3	1	22.68	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97	22.5	2	
1.4	16QAM	6	0	21.71	21.76	21.81			
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00	22.5	2	
1.4	64QAM	1	5	22.01	22.08	22.01			
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93	21.5	3	
1.4	64QAM	3	3	22.10	22.09	21.97			
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	24.5	0	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.36	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.43	22.35			
20	QPSK	100	0	22.35	22.42	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.67			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132567	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.38	23.36	23.42			
15	QPSK	1	37	23.34	23.33	23.30	24.5	0	
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32			
15	QPSK	36	20	22.34	22.36	22.32	23.5	1	
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.19			
15	16QAM	1	0	22.47	22.33	22.56	23.5	1	
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53			
15	16QAM	36	0	21.29	21.35	21.26	22.5	2	
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29			
15	16QAM	75	0	21.33	21.20	21.29	22.5	2	
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46			
15	64QAM	1	74	21.41	21.44	21.52	21.5	3	
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22			
15	64QAM	36	39	20.23	20.31	20.27	21.5	3	
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.36	23.39	23.31			
10	QPSK	1	25	23.31	23.36	23.32	24.5	0	
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27			
10	QPSK	25	12	22.30	22.36	22.28	23.5	1	
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.18			
10	16QAM	1	0	22.48	22.43	22.55	23.5	1	
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45			
10	16QAM	25	0	21.34	21.40	21.30	22.5	2	
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29			
10	16QAM	50	0	21.27	21.21	21.20	22.5	2	
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54			
10	64QAM	1	49	21.39	21.40	21.48	21.5	3	
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36			
10	64QAM	25	25	20.25	20.28	20.23	21.5	3	
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.33	23.33	23.43			
5	QPSK	1	12	23.24	23.29	23.36	24.5	0	
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24			
5	QPSK	12	7	22.41	22.24	22.25	23.5	1	
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19			
5	16QAM	1	0	22.51	22.39	22.56	23.5	1	
5	16QAM	1	12	22.59	22.26	22.48			
5	16QAM	1	24	22.27	22.40	22.55			
5	16QAM	12	0	21.29	21.27	21.31	22.5	2	
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27			
5	16QAM	25	0	21.25	21.23	21.25	22.5	2	
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53			
5	64QAM	1	24	21.38	21.37	21.40	21.5	3	
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24			
5	64QAM	12	13	20.21	20.22	20.25	21.5	3	
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.42	23.37	23.39			
3	QPSK	1	8	23.24	23.34	23.33	24.5	0	
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28			
3	QPSK	8	4	22.31	22.25	22.24	23.5	1	
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23			
3	16QAM	1	0	22.49	22.35	22.52	23.5	1	
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42			
3	16QAM	8	0	21.26	21.38	21.31	22.5	2	
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17			
3	16QAM	15	0	21.34	21.29	21.23	22.5	2	
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53			
3	64QAM	1	14	21.36	21.35	21.51	22.5	2	
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30			
3	64QAM	8	7	20.34	20.30	20.23	21.5	3	
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131979	132322	132685			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.41	23.38	23.39			
1.4	QPSK	1	3	23.30	23.33	23.36	24.5	0	
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36			
1.4	QPSK	3	1	23.32	23.24	23.35	23.5	1	
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20			
1.4	16QAM	1	0	22.53	22.42	22.55	23.5	1	
1.4	16QAM	1	3	22.52	22.15	22.56			
1.4	16QAM	1	5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.46	22.44	23.5	1	
1.4	16QAM	3	1	22.55	22.26	22.58			
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	16QAM	6	0	21.24	21.29	21.23	22.5	2	
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54			
1.4	64QAM	1	5	21.38	21.47	21.42	22.5	2	
1.4	64QAM	3	0	21.47	21.51	21.54			
1.4	64QAM	3	1	21.64	21.58	21.49			
1.4	64QAM	3	3	21.64	21.47	21.49	21.5	3	
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.65	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.63	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.59			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	25	21.73	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	21.73	21.76	21.72	23	0				
20	QPSK	1	49	21.66	21.58	21.66						
20	QPSK	1	99	21.63	21.75	21.64						
20	QPSK	36	0	21.68	21.76	21.65						
20	QPSK	50	24	21.58	21.57	21.53	23	0				
20	QPSK	50	50	21.56	21.72	21.61						
20	QPSK	100	0	21.61	21.68	21.63						
20	16QAM	1	0	21.58	21.75	21.66						
20	16QAM	1	49	21.59	21.45	21.63	23	0				
20	16QAM	1	99	21.56	21.66	21.49						
20	16QAM	50	0	21.18	21.18	21.22						
20	16QAM	50	24	21.11	21.21	21.32						
20	16QAM	100	0	21.10	21.18	21.29	22.5	0.5				
20	64QAM	1	0	20.74	20.84	20.90						
20	64QAM	1	49	20.95	21.05	21.06						
20	64QAM	1	99	21.01	20.99	21.12						
20	64QAM	50	0	20.16	20.15	20.21	21.5	1.5				
20	64QAM	50	24	20.15	20.22	20.31						
20	64QAM	50	50	20.23	20.26	20.40						
20	64QAM	100	0	20.18	20.21	20.29						
Channel												
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	21.71	21.71	21.67	23	0				
15	QPSK	1	37	21.55	21.51	21.59						
15	QPSK	1	74	21.51	21.73	21.59						
15	QPSK	36	0	21.61	21.62	21.56						
15	QPSK	36	39	21.54	21.51	21.41	23	0				
15	QPSK	36	39	21.51	21.62	21.49						
15	QPSK	75	0	21.49	21.63	21.54						
15	16QAM	1	0	21.46	21.69	21.64						
15	16QAM	1	37	21.57	21.36	21.49	23	0				
15	16QAM	1	74	21.44	21.51	21.45						
15	16QAM	36	0	21.07	21.07	21.09						
15	16QAM	36	20	21.04	21.13	21.28						
15	16QAM	36	39	21.03	21.17	21.29	22.5	0.5				
15	16QAM	75	0	21.01	21.16	21.23						
15	64QAM	1	0	20.68	20.72	20.83						
15	64QAM	1	37	20.88	20.93	20.99						
15	64QAM	1	74	20.95	20.93	21.10	21.5	1.5				
15	64QAM	36	0	20.07	20.16	20.19						
15	64QAM	36	20	20.01	20.15	20.21						
15	64QAM	36	39	20.16	20.12	20.33						
15	64QAM	75	0	20.13	20.18	20.26						
Channel												
Frequency (MHz)				2575	2595	2612.5	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	21.70	21.71	21.69	23	0				
10	QPSK	1	25	21.62	21.47	21.63						
10	QPSK	1	49	21.57	21.66	21.56						
10	QPSK	25	0	21.56	21.52	21.56						
10	QPSK	25	12	21.48	21.55	21.45	23	0				
10	QPSK	25	25	21.52	21.71	21.56						
10	QPSK	50	0	21.46	21.56	21.51						
10	16QAM	1	0	21.49	21.74	21.60						
10	16QAM	1	25	21.56	21.39	21.61	23	0				
10	16QAM	1	49	21.54	21.65	21.36						
10	16QAM	25	0	21.07	21.16	21.08						
10	16QAM	25	12	21.06	21.20	21.31						
10	16QAM	25	25	21.02	21.23	21.34	22.5	0.5				
10	16QAM	50	0	21.03	21.03	21.18						
10	64QAM	1	0	20.67	20.71	20.82						
10	64QAM	1	25	20.81	20.92	20.99						
10	64QAM	1	49	21.00	20.91	21.02	21.5	1.5				
10	64QAM	25	0	20.10	20.14	20.19						
10	64QAM	25	12	20.02	20.12	20.25						
10	64QAM	25	25	20.16	20.20	20.36						
10	64QAM	50	0	20.07	20.10	20.27						
Channel												
Frequency (MHz)				2577.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	21.65	21.68	21.66	23	0				
5	QPSK	1	12	21.57	21.45	21.51						
5	QPSK	1	24	21.59	21.74	21.55						
5	QPSK	12	0	21.54	21.58	21.60						
5	QPSK	12	7	21.47	21.42	21.46	23	0				
5	QPSK	12	13	21.52	21.61	21.51						
5	QPSK	25	0	21.54	21.57	21.55						
5	16QAM	1	0	21.52	21.63	21.59						
5	16QAM	1	12	21.49	21.38	21.51	23	0				
5	16QAM	1	24	21.42	21.55	21.39						
5	16QAM	12	0	21.03	21.06	21.16						
5	16QAM	12	7	21.03	21.10	21.22						
5	16QAM	12	13	21.08	21.13	21.22	22.5	0.5				
5	16QAM	25	0	21.00	21.04	21.23						
5	64QAM	1	0	20.72	20.81	20.84						
5	64QAM	1	12	20.91	20.96	21.03						
5	64QAM	1	24	20.96	20.87	20.98	21.5	1.5				
5	64QAM	12	0	20.12	20.12	20.20						
5	64QAM	12	7	20.07	20.07	20.16						
5	64QAM	12	13	20.12	20.19	20.29						
5	64QAM	25	0	20.04	20.19	20.23						

Band 38_Ant 2										
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)				23.09	23.75	23.77				
20	QPSK	1	49	23.52	23.74	23.56	24.5	0		
20	QPSK	1	99	23.58	23.70	23.57				
20	QPSK	50	0	22.55	22.63	22.57				
20	QPSK	50	24	22.51	22.62	22.52	23.5	1		
20	QPSK	50	50	22.50	22.81	22.53				
20	QPSK	100	0	22.53	22.61	22.53				
20	16QAM	1	0	22.58	22.64	22.56	23.5	1		
20	16QAM	1	49	22.87	22.70	22.84				
20	16QAM	1	99	22.80	22.84	22.53				
20	16QAM	50	0	21.57	21.58	21.57	22.5	2		
20	16QAM	50	24	21.57	21.62	21.57				
20	16QAM	100	0	21.60	21.61	21.51				
20	64QAM	1	0	21.35	21.32	21.30	22.5	2		
20	64QAM	1	49	21.30	21.42	21.41				
20	64QAM	1	99	21.43	21.36	21.17				
20	64QAM	50	0	20.56	20.61	20.57	21.5	3		
20	64QAM	50	24	20.59	20.61	20.60				
20	64QAM	100	0	20.63	20.65	20.55				
20	64QAM	100	0	20.65	20.61	20.57				
Channel				38775	39000	39125				
Frequency (MHz)				23.775	23.955	24.125				
15	QPSK	1	0	23.52	23.83	23.62	24.5	0		
15	QPSK	1	37	23.47	23.62	23.65				
15	QPSK	1	74	23.46	23.55	23.54				
15	QPSK	36	0	22.44	22.50	22.52	23.5	1		
15	QPSK	36	0	22.44	22.55	22.49				
15	QPSK	36	36	22.46	22.52	22.50				
15	QPSK	75	0	22.42	22.56	22.43	22.5	2		
15	16QAM	1	0	22.53	22.59	22.42				
15	16QAM	1	0	22.53	22.59	22.42				
15	16QAM	1	74	22.65	22.60	22.38	21.5	3		
15	16QAM	36	0	21.54	21.51	21.56				
15	16QAM	36	20	21.45	21.54	21.52				
15	16QAM	36	20	21.46	21.54	21.44	22.5	2		
15	16QAM	75	0	21.51	21.50	21.47				
15	64QAM	1	0	21.33	21.22	21.27				
15	64QAM	1	37	21.17	21.29	21.27	22.5	2		
15	64QAM	1	74	21.36	21.34	21.07				
15	64QAM	36	0	20.45	20.51	20.59				
15	64QAM	36	20	20.57	20.60	20.44	21.5	3		
15	64QAM	36	39	20.58	20.84	20.41				
15	64QAM	75	0	20.55	20.56	20.56				
Channel				39275	39500	39625				
Frequency (MHz)				23.975	23.995	24.125				
10	QPSK	1	0	23.45	23.70	23.55	24.5	0		
10	QPSK	1	25	23.45	23.63	23.47				
10	QPSK	1	49	23.46	23.65	23.49				
10	QPSK	1	49	22.41	22.54	22.53	23.5	1		
10	QPSK	25	12	22.39	22.48	22.45				
10	QPSK	25	25	22.45	22.47	22.49				
10	QPSK	50	0	22.45	22.49	22.44	23.5	1		
10	16QAM	1	0	22.46	22.57	22.52				
10	16QAM	1	25	22.62	22.66	22.56				
10	16QAM	1	49	22.65	22.52	22.48	22.5	2		
10	16QAM	25	0	21.50	21.49	21.56				
10	16QAM	25	12	21.48	21.50	21.55				
10	16QAM	25	25	21.42	21.42	21.49	21.5	3		
10	16QAM	50	0	21.42	21.56	21.40				
10	64QAM	1	0	21.27	21.26	21.28				
10	64QAM	1	25	21.17	21.39	21.32	22.5	2		
10	64QAM	1	49	21.42	21.34	21.32				
10	64QAM	25	0	20.44	20.56	20.47				
10	64QAM	25	12	20.57	20.54	20.48	21.5	3		
10	64QAM	25	25	20.54	20.58	20.52				
10	64QAM	50	0	20.54	20.59	20.44				
Channel				39775	39900	39925				
Frequency (MHz)				23.975 <th>24.005</th> <th>24.175<th></th><th colspan="3"></th></th>	24.005	24.175 <th></th> <th colspan="3"></th>				
5	QPSK	1	0	23.52	23.68	23.56	24.5	0		
5	QPSK	1	12	23.51	23.63	23.46				
5	QPSK	1	24	23.48	23.57	23.45				
5	QPSK	12	0	22.51	22.57	22.57	23.5	1		
5	QPSK	12	7	22.47	22.57	22.49				
5	QPSK	12	13	22.43	22.53	22.41				
5	QPSK	25	0	22.39	22.47	22.44	22.5	2		
5	16QAM	1	0	22.46	22.57	22.51				
5	16QAM	1	12	22.64	22.58	22.53				
5	16QAM	1	24	22.65	22.53	22.43	22.5	2		
5	16QAM	12	0	21.52	21.50	21.50				
5	16QAM	12	13	21.52	21.50	21.50				
5	64QAM	12	13	21.56	21.58	21.38	22.5	2		
5	64QAM	25	0	21.44	21.48	21.49				
5	64QAM	1	0	21.20	21.31	21.27				
5	64QAM	1	12	21.19	21.34	21.30	22.5	2		
5	64QAM	1	24	21.37	21.35	21.08				
5	64QAM	12	0	20.50	20.58	20.51				
5	64QAM	12	7	20.51	20.55	20.47	21.5	3		
5	64QAM	12	13	20.56	20.55	20.47				
5	64QAM	0	0	20.45	20.46	20.51				

Band 41_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41450					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	21.70	21.70	22.00	21.85	21.90	23	0			
20	QPSK	1	49	21.72	21.57	21.96	21.79	21.78					
20	QPSK	1	99	21.74	21.57	21.96	21.74	21.90					
20	QPSK	50	0	21.75	21.58	21.99	21.72	21.81					
20	QPSK	50	24	21.68	21.56	21.98	21.75	21.84	23	0			
20	QPSK	50	50	21.73	21.55	21.83	21.69	21.78					
20	QPSK	100	0	21.70	21.59	21.86	21.81	21.83					
20	16QAM	1	0	21.65	21.57	21.98	21.81	21.87					
20	16QAM	1	49	21.68	21.56	21.98	21.72	21.80	22.5	0.5			
20	16QAM	1	99	21.70	21.49	21.82	21.65	21.88					
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35					
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.36					
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	21.5	1.5			
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26					
20	64QAM	1	0	20.82	20.56	21.10	20.78	21.01					
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12					
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19	22.5	0			
20	64QAM	50	0	19.98	19.81	20.43	20.14	20.32					
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32					
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35					
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35	21.5	1.5			
Channel				39725	40173	40620	41093	41515					
Frequency (MHz)				2501.5	2546.3	2593	2637.8	2682.5					
15	QPSK	1	0	21.68	21.59	21.85	21.73	21.87	23	0			
15	QPSK	1	37	21.59	21.47	21.93	21.68	21.73					
15	QPSK	1	74	21.73	21.54	21.81	21.66	21.78					
15	QPSK	36	0	21.65	21.56	21.92	21.61	21.72					
15	QPSK	36	0	21.58	21.40	21.98	21.57	21.68	23	0			
15	QPSK	36	39	21.59	21.52	21.74	21.65	21.65					
15	QPSK	75	0	21.63	21.44	21.77	21.75	21.74					
15	16QAM	1	0	21.51	21.51	21.87	21.79	21.72					
15	16QAM	1	37	21.50	21.46	21.86	21.66	21.70	22.5	0.5			
15	16QAM	1	74	21.63	21.39	21.77	21.50	21.85					
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26					
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.37					
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	21.5	1.5			
15	16QAM	75	0	20.93	20.83	21.09	21.22	21.38					
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06					
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08					
15	64QAM	1	74	20.55	20.88	20.88	21.05	20.94	22.5	0.5			
15	64QAM	36	39	19.83	19.79	20.06	20.18	20.42					
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41					
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31					
15	64QAM	75	0	19.83	19.86	20.15	20.22	20.41	21.5	1.5			
Channel				39700	40160	40620	41080	41540					
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	21.75	21.58	21.88	21.81	21.61	23	0			
10	QPSK	1	25	21.57	21.42	21.86	21.75	21.77					
10	QPSK	1	49	21.61	21.54	21.91	21.67	21.88					
10	QPSK	25	0	21.60	21.53	21.88	21.61	21.75					
10	QPSK	25	12	21.59	21.43	21.83	21.58	21.72	23	0			
10	QPSK	25	25	21.69	21.47	21.70	21.64	21.75					
10	QPSK	50	0	21.59	21.47	21.77	21.77	21.68					
10	16QAM	1	0	21.54	21.44	21.93	21.79	21.86					
10	16QAM	1	25	21.50	21.44	21.71	21.59	21.51	23	0			
10	16QAM	1	49	21.61	21.37	21.70	21.59	21.76					
10	16QAM	25	0	20.76	20.69	20.96	21.30	21.29					
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28					
10	16QAM	25	25	20.86	20.91	21.17	21.33	21.34	22.5	0.5			
10	16QAM	50	0	20.88	20.86	20.98	21.18	21.39					
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02					
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03					
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20	21.5	1.5			
10	64QAM	25	0	19.92	19.86	20.08	20.29	20.32					
10	64QAM	25	12	19.93	19.83	20.07	20.21	20.36					
10	64QAM	25	25	19.98	19.83	20.12	20.26	20.40					
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38	22.5	0.5			
Channel				39675	40148	40620	41093	41565					
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	21.74	21.60	21.85	21.79	21.91	24.5	0			
5	QPSK	1	12	21.66	21.54	21.93	21.66	21.70					
5	QPSK	1	24	21.67	21.56	21.85	21.68	21.78					
5	QPSK	12	0	21.71	21.55	21.94	21.68	21.77					
5	QPSK	12	7	21.52	21.48	21.79	21.64	21.73	23	0			
5	QPSK	12	13	21.63	21.41	21.74	21.58	21.66					
5	QPSK	25	0	21.68	21.45	21.81	21.72	21.77					
5	16QAM	1	0	21.56	21.48	21.90	21.69	21.74					
5	16QAM	1	12	21.58	21.43	21.76	21.71	21.53	23	0			
5	16QAM	1	24	21.63	21.41	21.67	21.53	21.62					
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.29					
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29					
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	22.5	0.5			
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47					
5	64QAM	1	0	20.70	21.90	20.76	20.90	20.97					
5	64QAM	1	12	20.82	20.68	20.84	21.11	21.11					
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98	21.5	1.5			
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29					
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34					
5	64QAM	12	13	19.94	19.82	20.06	20.22	20.31					
5	64QAM	25	0	19.83	19.86	20.10	20.22	20.35					

Part 96_Band 48_Ant 1												Part 96_Band 48_Ant 3												Part 96_Band 48_Ant 5																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)																															
Channel												Channel												Channel																
Frequency (MHz)												Frequency (MHz)												Frequency (MHz)																
20	QPSK	1	0	17.95	17.83	17.80	17.78	18.5	0	20	QPSK	1	0	22.58	22.40	22.52	22.45	23	0	20	QPSK	1	0	22.48	22.44	22.44	22.37	22.41	23	0	20	QPSK	1	0	22.48	22.44	22.37	22.41		
20	QPSK	1	49	17.89	17.70	17.65	17.72	18.5	0	20	QPSK	1	49	22.49	22.39	22.50	22.32	23	0	20	QPSK	1	49	22.41	22.43	22.29	22.33	23	0	20	QPSK	1	49	19.88	19.86	19.97	20.11			
20	QPSK	1	99	17.76	17.66	17.75	17.68	18.5	0	20	QPSK	1	99	22.51	22.38	22.50	22.30	23	0	20	QPSK	1	99	22.21	22.38	22.32	22.37	23	0	20	QPSK	1	99	19.86	19.86	19.89	20.05			
20	QPSK	50	0	17.91	17.80	17.80	17.78	18.5	0	20	QPSK	50	0	21.37	21.27	21.42	21.37	22	1	20	QPSK	50	0	21.27	21.20	21.39	21.24	22	1	20	QPSK	50	0	19.82	19.83	19.85	19.96			
20	QPSK	50	24	17.83	17.71	17.62	17.73	18.5	0	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.32	21.39	22	1	20	QPSK	50	24	19.82	19.83	19.85	19.96			
20	QPSK	50	50	17.77	17.78	17.67	17.84	18.5	0	20	QPSK	50	50	21.46	21.37	21.42	21.27	22	1	20	QPSK	50	50	21.31	21.32	21.32	21.33	22	1	20	QPSK	50	50	19.82	19.83	19.85	19.96			
20	QPSK	100	0	17.88	17.84	17.62	17.78	18.5	0	20	QPSK	100	0	21.55	21.31	21.44	21.38	22	1	20	QPSK	100	0	21.46	21.44	21.31	21.41	22	1	20	QPSK	100	0	19.82	19.83	19.85	19.96			
20	16QAM	1	0	17.82	17.81	17.57	17.83	18.5	0	20	16QAM	1	0	21.53	21.32	21.47	21.29	22	1	20	16QAM	1	0	21.45	21.48	21.44	21.47	22	1	20	16QAM	1	0	19.82	19.83	19.85	19.96			
20	16QAM	1	49	17.75	17.78	17.73	17.77	18.5	0	20	16QAM	1	49	21.48	21.39	21.44	21.31	22	1	20	16QAM	1	49	21.37	21.40	21.40	21.36	22	1	20	16QAM	1	49	19.82	19.83	19.85	19.96			
20	16QAM	1	99	17.73	17.70	17.67	17.79	18.5	0	20	16QAM	1	99	21.50	21.28	21.44	21.38	22	1	20	16QAM	1	99	21.27	21.52	21.48	21.49	22	1	20	16QAM	1	99	19.82	19.83	19.85	19.96			
20	16QAM	50	0	17.71	17.69	17.67	17.76	18.5	0	20	16QAM	50	0	20.65	20.38	20.53	20.43	21	2	20	16QAM	50	0	20.29	20.37	20.33	20.48	21	2	20	16QAM	50	0	19.82	19.83	19.85	19.96			
20	16QAM	50	24	17.77	17.72	17.76	17.78	18.5	0	20	16QAM	50	24	20.44	20.33	20.44	20.34	21	2	20	16QAM	50	24	20.29	20.44	20.35	20.46	21	2	20	16QAM	50	24	19.82	19.83	19.85	19.96			
20	16QAM	50	50	17.80	17.74	17.64	17.81	18.5	0	20	16QAM	50	50	20.44	20.29	20.52	20.30	21	2	20	16QAM	50	50	20.25	20.42	20.31	20.51	21	2	20	16QAM	50	50	19.82	19.83	19.85	19.96			
20	16QAM	100	0	17.86	17.78	17.75	17.86	18.5	0	20	16QAM	100	0	20.41	20.30	20.42	20.41	21	2	20	16QAM	100	0	20.25	20.37	20.33	20.48	21	2	20	16QAM	100	0	19.82	19.83	19.85	19.96			
20	16QAM	1	0	17.70	17.67	17.64	17.87	18.5	0	20	16QAM	1	0	20.54	20.27	20.45	20.39	21	2	20	16QAM	1	0	19.92	19.98	19.95	20.07	21	2	20	16QAM	1	0	19.82	19.83	19.85	19.96			
20	16QAM	1	49	17.74	17.79	17.72	17.74	18.5	0	20	16QAM	1	49	20.48	20.29	20.50	20.31	21	2	20	16QAM	1	49	19.88	19.88	19.97	20.11	21	2	20	16QAM	1	49	19.82	19.83	19.85	19.96			
20	16QAM	1	99	17.79	17.87	17.63	17.84	18.5	0	20	16QAM	1	99	20.48	20.35	20.52	20.42	21	2	20	16QAM	1	99	19.88	19.88	19.97	20.11	21	2	20	16QAM	1	99	19.82	19.83	19.85	19.96			
20	16QAM	50	0	17.73	17.70	17.65	17.80	18.5	0	20	16QAM	50	0	19.80	19.41	19.29	19.45	20	3	20	16QAM	50	0	19.82	19.83	19.85	19.96	20	3	20	16QAM	50	0	19.82	19.83	19.85	19.96			
20	16QAM	50	24	17.76	17.75	17.71	17.85	18.5	0	20	16QAM	50	24	19.59	19.41	19.49	19.30	20	3	20	16QAM	50	24	19.28	19.44	19.35	19.51	20	3	20	16QAM	50	24	19.82	19.83	19.85	19.96			
20	16QAM	50	50	17.76	17.66	17.71	17.89	18.5	0	20	16QAM	50	50	19.53	19.32	19.51	19.38	20	3	20	16QAM	50	50	19.17	19.43	19.31	19.53	20	3	20	16QAM	50	50	19.82	19.83	19.85	19.96			
20	16QAM	100	0	17.87	17.71	17.66	17.79	18.5	0	20	16QAM	100	0	19.54	19.40	19.45	19.31	20	3	20	16QAM	100	0	19.22	19.39	19.37	19.49	20	3	20	16QAM	100	0	19.82	19.83	19.85	19.96			
Channel												Channel												Channel																
Frequency (MHz)												Frequency (MHz)												Frequency (MHz)																
15	QPSK	1	0	17.93	17.73	17.74	17.74	18.5	0	15	QPSK	1	0	22.48	22.19	22.45	22.43	23	0	15	QPSK	1	0	22.38	22.21	22.21	22.18	23	0	15	QPSK	1	0	22.38	22.21	22.21	22.18			
15	QPSK	1	37	17.74	17.62	17.64	17.62	18.5	0	15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	15	QPSK	1	37	22.17	22.24	22.11	22.26	23	0	15	QPSK	1	37	19.88	19.88	19.97	20.11			
15	QPSK	1	74	17.68	17.61	17.68	17.60	18.5	0	15	QPSK	1	74	22.45	22.09	22.47	22.19	23	0	15	QPSK	1	74	22.03	22.31	22.17	22.29	23	0	15	QPSK	1	74	19.88	19.88	19.97	20.11			
15	QPSK	36	0	17.85	17.69	17.68	17.69	18.5	0	15	QPSK	36	0	21.48	21.22	21.40	21.29	22	1	15	QPSK	36	0	21.23	21.27	21.26	21.21	22	1	15	QPSK	36	0	19.88	19.88	19.97	20.11			
15	QPSK	36	39	17.74	17.77	17.57	17.53	18.5	0	15	QPSK	36	39	21.45	21.13	21.27	21.24	22	1	15	QPSK	36	39	21.12	21.20	21.18	21.19	22	1	15	QPSK	36	39	19.88	19.88	19.97	20.11			
15	QPSK	75	0	17.87	17.80	17.47	17.72	18.5	0	15	QPSK	75	0	21.47	21.05	21.36	21.31	22	1	15	QPSK	75	0	21.32	21.39	21.17	21.31	22	1	15	QPSK	75	0	19.88	19.88	19.97	20.11			
15	16QAM	1	0	17.81	17.75	17.56	17.70	18.5	0	15	16QAM	1	0	21.50	21.11	21.38	21.14	22	1	15	16QAM	1	0	21.30	21.36	21.23	21.28	22	1	15	16QAM	1	0	19.88	19.88	19.97	20.11			
15	16QAM	1	37	17.85	17.78	17.72	17.72	18.5	0	15	16QAM	1	37	21.42	21.19	21.39	21.16	22	1	15	16QAM	1	37	21.17	21.32	21.23	21.34	22	1	15	16QAM	1	37	19.88	19.88	19.97	20.11			
15	16QAM	1	74	17.69	17.63	17.66	17.67	18.5	0	15	16QAM	1	74	21.43	21.10	21.29	21.29	22	1	15	16QAM	1	74	21.08	21.41	21.41	21.29	22	1	15	16QAM	1	74	19.88	19.88	19.97	20.11			
15	16QAM	36	0	17.80	17.62	17.57	17.61	18.5	0	15	16QAM	36	0	20.54	20.17	20.50	20.42	21	2	15	16QAM	36	0	20.14	20.20	20.21	20.40	21	2	15	16QAM	36	0	19.88	19.88	19.97	20.11			
15	16QAM	36	39	17.64	17.70	17.60	17.75	18.5	0	15	16QAM	36	39	20.30	20.10																									

Part 96_Band 48_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power High Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	23.36	23.07	23.26	23.18	24.5	0		
20	QPSK	1	49	23.25	22.97	23.23	23.10				
20	QPSK	1	99	23.22	22.97	23.24	23.07				
20	QPSK	50	0	22.35	22.14	22.22	22.22				
20	QPSK	50	24	22.27	22.02	22.11	22.16	23.5	1		
20	QPSK	50	50	22.29	22.10	22.17	22.10				
20	QPSK	100	0	22.33	22.09	22.09	22.17				
20	16QAM	1	49	22.24	22.07	22.08	22.12				
20	16QAM	1	99	22.21	22.01	22.21	22.18	23.5	1		
20	16QAM	50	0	22.22	22.06	22.14	22.14				
20	16QAM	50	24	21.17	20.91	21.06	21.11				
20	16QAM	50	50	21.23	21.00	21.07	21.03				
20	16QAM	100	0	21.26	20.88	21.05	21.13	22.5	2		
20	64QAM	1	0	21.25	20.91	21.07	21.02				
20	64QAM	1	49	21.14	20.97	21.02	21.14				
20	64QAM	1	99	21.22	20.95	21.02	21.10				
20	64QAM	50	0	20.33	20.09	20.20	20.19	21.5	3		
20	64QAM	50	24	20.31	19.96	20.13	20.13				
20	64QAM	50	50	20.21	19.97	20.07	20.07				
20	64QAM	100	0	20.26	19.98	20.07	20.15				
Channel				55315	55800	56150	56650	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3567.5	3609	3642	3692.5				
15	QPSK	1	0	23.27	22.94	23.13	23.04	24.5	0		
15	QPSK	1	37	23.16	22.89	23.15	22.96				
15	QPSK	1	74	23.07	22.89	23.11	22.92				
15	QPSK	36	0	22.28	22.13	22.20	22.20				
15	QPSK	36	20	22.14	21.90	22.07	22.02	23.5	1		
15	QPSK	36	39	22.21	22.00	22.06	22.00				
15	QPSK	75	0	22.30	22.04	22.00	22.07				
15	16QAM	1	0	22.17	22.03	21.95	22.08				
15	16QAM	1	37	22.26	21.96	22.19	22.04	23.5	1		
15	16QAM	1	74	22.19	21.94	22.02	22.07				
15	16QAM	36	0	21.18	20.91	21.16	21.14				
15	16QAM	36	20	21.05	20.79	21.05	21.09				
15	16QAM	36	39	21.15	20.96	20.97	20.96	22.5	2		
15	16QAM	75	0	21.21	20.97	20.94	20.90				
15	64QAM	1	0	21.14	20.77	20.94	20.93				
15	64QAM	1	37	21.01	20.83	21.00	21.13				
15	64QAM	1	74	21.15	20.91	20.92	21.08	22.5	2		
15	64QAM	36	0	20.26	19.97	20.06	20.16				
15	64QAM	36	20	20.26	19.81	20.11	20.00				
15	64QAM	36	39	20.15	19.91	19.94	20.06				
15	64QAM	75	0	20.18	19.95	19.97	20.08	Channel			
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)		
				3555	3607.5	3642.5	3695				
10	QPSK	1	0	23.28	22.98	23.20	23.12	24.5	0		
10	QPSK	1	25	23.19	22.83	23.11	23.05				
10	QPSK	1	49	23.07	22.83	23.23	22.97				
10	QPSK	25	0	22.24	22.11	22.08	22.12				
10	QPSK	25	12	22.15	21.93	22.04	22.02	23.5	1		
10	QPSK	25	25	22.23	22.04	22.13	21.96				
10	QPSK	50	0	22.30	21.98	21.97	22.10				
10	16QAM	1	0	22.16	21.92	22.06	22.01				
10	16QAM	1	25	22.15	21.97	22.07	22.04	23.5	1		
10	16QAM	1	49	22.10	22.05	22.07	22.11				
10	16QAM	25	0	21.24	20.92	21.07	21.00				
10	16QAM	25	12	21.07	20.77	20.96	21.05				
10	16QAM	25	25	21.14	20.91	21.02	20.95	22.5	2		
10	16QAM	50	0	21.22	20.81	20.99	21.03				
10	64QAM	1	0	21.17	20.81	20.97	20.90				
10	64QAM	1	25	20.99	20.90	20.89	21.13				
10	64QAM	1	49	21.19	20.88	20.97	21.09	21.5	3		
10	64QAM	25	0	20.30	19.94	20.08	20.07				
10	64QAM	25	12	20.22	19.92	20.01	19.98				
10	64QAM	25	25	20.12	19.92	19.96	19.92				
10	64QAM	50	0	20.18	19.84	19.97	20.02				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	23.33	22.99	23.22	23.06	24.5	0		
5	QPSK	1	12	23.13	22.95	23.21	22.99				
5	QPSK	1	25	23.11	22.85	23.20	22.85				
5	QPSK	12	0	22.23	22.08	22.19	22.14				
5	QPSK	12	7	22.15	21.88	22.08	22.14	23.5	1		
5	QPSK	12	13	22.16	22.08	22.02	22.09				
5	QPSK	25	0	22.27	21.97	22.02	22.11				
5	16QAM	1	0	22.15	21.92	22.06	22.10				
5	16QAM	1	12	22.21	21.89	22.12	22.13	23.5	1		
5	16QAM	12	0	22.06	21.92	22.05	22.02				
5	16QAM	12	0	21.19	20.91	21.07	21.13				
5	16QAM	12	7	21.12	20.93	21.04	21.09				
5	16QAM	12	13	21.20	20.98	20.95	20.90	22.5	2		
5	16QAM	25	0	21.19	20.82	21.03	21.08				
5	64QAM	1	0	21.15	20.76	21.02	20.98				
5	64QAM	1	12	21.04	20.80	21.00	21.04				
5	64QAM	1	24	21.13	20.80	20.91	21.01	22.5	2		
5	64QAM	12	0	20.26	20.02	20.12	20.09				
5	64QAM	12	7	20.18	19.87	20.08	20.20				
5	64QAM	12	13	20.09	19.83	20.03	20.13				
5	64QAM	25	0	20.22	19.83	19.99	20.02	21.5	3		
5	64QAM	25	7	20.12	19.87	19.98	20.02				
5	64QAM	25	13	20.09	19.83	19.99	20.02				
5	64QAM	25	24	20.09	19.83	19.99	20.02				

Reduced Power Mode for ECI17

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	33.50	824.2	836.4	848.8	34.50
GSM 1 Tx slot		32.35	32.41	32.49		33.35	33.41	33.49	
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	33.31	33.38	33.46	34.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	25.24
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	21.00
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8	30.50	1850.2	1860	1869.8	21.50
GSM 1 Tx slot		29.26	29.56	29.51		20.26	20.58	20.51	
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.24
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	20.00
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1860.2	1880	1899.8	30.50	1860.2	1880	1899.8	21.50
GSM 1 Tx slot		29.43	29.69	29.82		20.43	20.69	20.82	
GPRS 1 Tx slot		29.40	29.67	29.74	30.50	20.40	20.67	20.74	21.50
GPRS 2 Tx slots		27.49	27.87	27.93	28.50	21.49	21.87	21.93	22.50
GPRS 3 Tx slots		26.26	26.57	26.72	27.50	22.00	22.31	22.46	23.24
GPRS 4 Tx slots		24.94	25.06	25.37	26.50	21.94	22.06	22.37	23.50
EDGE 1 Tx slot		25.88	25.84	25.88	27.00	16.88	16.84	16.88	18.00
EDGE 2 Tx slots		24.58	24.52	24.66	26.00	18.58	18.52	18.66	20.00
EDGE 3 Tx slots		22.35	22.78	22.28	23.50	18.09	18.52	18.02	19.24
EDGE 4 Tx slots		20.72	20.71	20.89	22.00	17.72	17.71	17.89	19.00

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938	30.50	1537	1638	1738	21.50
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.03	24.00	25.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMTC 12.2Kbps	24.02	24.08	24.05	25.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	23.18	23.25	23.22	24.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.23	23.20	24.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.72	22.70	23.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	22.69	22.73	22.68	23.50	22.53	22.62	22.57	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.09	23.19	23.15	24.00	22.96	23.07	23.01	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.12	23.08	23.10	24.00	22.87	23.04	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.62	22.65	23.50	22.55	22.55	22.62	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.54	22.54	22.66	23.50	22.51	22.48	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	21.17	21.23	21.20	22.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	21.20	21.25	21.21	22.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.23	22.26	22.22	23.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.77	20.71	22.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.28	22.20	24.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.09	21.15	21.22	22.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938	30.50	1537	1638	1738	21.50
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.82	21.95	21.90	23.00	23.78	23.81	23.74	25.00
3GPP Rel 99	RMTC 12.2Kbps	21.97	22.03	21.90	23.00	23.83	23.85	23.75	25.00
3GPP Rel 6	HSDPA Subtest-1	21.17	21.28	21.32	22.00	22.96	23.07	23.09	24.00
3GPP Rel 6	HSDPA Subtest-2	21.20	21.23	21.35	22.00	22.93	23.05	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	20.72	20.80	20.87	21.50	22.44	22.59	22.60	23.50
3GPP Rel 6	HSDPA Subtest-4	20.69	20.81	20.80	21.50	22.45	22.55	22.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.99	21.13	21.20	22.00	22.89	22.93	23.02	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.13	21.16	21.15	22.00	22.89	23.02	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.56	20.74	20.67	21.50	22.36	22.51	22.58	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.51	20.69	20.62	21.50	22.30	22.46	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	19.23	19.35	19.33	20.00	20.93	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-2	19.24	19.32	19.37	20.00	20.98	21.09	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	20.26	20.31	20.32	21.00	22.00	22.09	22.12	23.00
3GPP Rel 6	HSUPA Subtest-4	19.79	19.81	19.82	20.00	20.40	20.62	20.65	22.00
3GPP Rel 6	HSUPA Subtest-5	20.20	20.30	20.40	22.00	22.00	22.10	22.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.13	19.24	19.25	20.50	21.11	21.19	21.08	22.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	30.50
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	33.00	824.2	836.4	848.8	34.00
GSM 1 Tx slot		32.05	32.26	32.11		33.05	33.26	33.11	
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	33.01	33.21	33.05	34.00
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00
GPRS 3 Tx slots		27.96	28.04	27.92	29.00	23.60	23.78	23.66	24.74
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00
EDGE 1 Tx slot		26.82	26.87	26.77	27.50	17.82	17.77	17.77	18.50
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.50
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.24
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8	30.50	1850.2	1860	1869.8	21.50
GSM 1 Tx slot		29.66	29.79	29.74		20.66	20.79	20.74	
GPRS 1 Tx slot		29.66	29.77	29.73	30.50	20.66	20.77	20.73	2

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	23.41	23.43	23.35	24.5	0		
20	QPSK	1	49	23.38	23.40	23.37				
20	QPSK	1	99	23.29	23.32	23.31				
20	QPSK	50	0	22.37	22.40	22.36	23.5	1		
20	QPSK	50	24	22.32	22.35	22.34				
20	QPSK	50	50	22.34	22.37	22.34				
20	QPSK	100	0	22.35	22.37	22.35	23.5	1		
20	16QAM	1	0	22.71	22.57	22.61				
20	16QAM	1	49	22.70	22.57	22.64				
20	16QAM	1	99	22.59	22.52	22.51	22.5	2		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	21.5	3		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	22.5	2		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	21.5	3		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	23.28	23.26	23.23	24.5	0		
15	QPSK	1	37	23.41	23.33	23.25				
15	QPSK	1	74	23.22	23.17	23.17				
15	QPSK	36	0	22.33	22.29	22.35	23.5	1		
15	QPSK	36	20	22.24	22.19	22.22				
15	QPSK	36	39	22.30	22.24	22.23				
15	QPSK	75	0	22.34	22.32	22.23	23.5	1		
15	16QAM	1	0	22.42	22.58	22.50				
15	16QAM	1	37	22.52	22.62	22.56				
15	16QAM	1	74	22.49	22.58	22.39	22.5	2		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	2		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	2		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	3		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	23.29	23.33	23.19	24.5	0		
10	QPSK	1	25	23.35	23.33	23.35				
10	QPSK	1	49	23.29	23.25	23.17				
10	QPSK	25	0	22.36	22.23	22.25	23.5	1		
10	QPSK	25	12	22.29	22.17	22.19				
10	QPSK	25	25	22.27	22.30	22.26				
10	QPSK	50	0	22.27	22.24	22.28	23.5	1		
10	16QAM	1	0	22.54	22.57	22.51				
10	16QAM	1	25	22.53	22.66	22.51				
10	16QAM	1	49	22.48	22.45	22.36	22.5	2		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	21.5	3		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.58	21.47				
10	64QAM	1	25	21.49	21.45	21.47	22.5	2		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21	21.5	3		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	23.23	23.33	23.27	24.5	0		
5	QPSK	1	12	23.42	23.39	23.22				
5	QPSK	1	24	23.28	23.21	23.33				
5	QPSK	12	0	22.39	22.25	22.21	23.5	1		
5	QPSK	12	7	22.25	22.19	22.25				
5	QPSK	12	13	22.26	22.22	22.23				
5	QPSK	25	0	22.30	22.33	22.33	23.5	1		
5	16QAM	1	0	22.47	22.62	22.61				
5	16QAM	1	12	22.44	22.56	22.50				
5	16QAM	1	24	22.47	22.53	22.47	22.5	2		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	2		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	2		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	3		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	23.35	23.30	23.25	24.5	0		
3	QPSK	1	8	23.29	23.37	23.28				
3	QPSK	1	14	23.27	23.14	23.19				
3	QPSK	8	0	22.28	22.29	22.34	23.5	1		
3	QPSK	8	4	22.27	22.21	22.28				
3	QPSK	8	7	22.25	22.22	22.26				
3	QPSK	15	0	22.22	22.22	22.22	23.5	1		
3	16QAM	1	0	22.51	22.62	22.49				
3	16QAM	1	8	22.49	22.64	22.61				
3	16QAM	1	14	22.45	22.58	22.50	22.5	2		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	2		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	22.5	2		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	21.5	3		
3	64QAM	8	7	20.36	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	23.36	23.32	23.28	24.5	0		
1.4	QPSK	1	3	23.29	23.36	23.28				
1.4	QPSK	1	23	23.19	23.16	23.14				
1.4	QPSK	3	0	23.26	23.39	23.26	23.5	1		
1.4	QPSK	3	1	23.40	23.29	23.22				
1.4	QPSK	3	1	23.18	23.20	23.20				
1.4	QPSK	6	0	22.22	22.26	22.25	23.5	1		
1.4	16QAM	1	0	22.46	22.60	22.54				
1.4	16QAM	1	3	22.43	22.65	22.59				
1.4	16QAM	1	5	22.39	22.48	22.38	22.5	2		
1.4	16QAM	3	0	22.52	22.62	22.45				
1.4	16QAM	3	1	22.51	22.68	22.52				
1.4	16QAM	3	3	22.47	22.58	22.48	22.5	2		
1.4	16QAM	6	0	21.23	21.30	21.19				
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44	22.5	2		
1.4	64QAM	1	5	21.47	21.32	21.44				
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	1	21.46	21.48	21.48	21.5	3		
1.4	64QAM	3	3	21.46	21.31	21.30				
1.4	64QAM	6	0	20.35	20.32	20.39				

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.25	23.30	23.27	24.5	0	
20	QPSK	1	49	23.22	23.26	23.20			
20	QPSK	1	99	23.11	23.15	23.22			
20	QPSK	50	0	22.29	22.31	22.27	23.5	1	
20	QPSK	50	24	22.27	22.22	22.25			
20	QPSK	50	50	22.21	22.16	22.26			
20	QPSK	100	0	22.24	22.23	22.26	23.5	1	
20	16QAM	1	0	22.52	22.53	22.49			
20	16QAM	1	49	22.53	22.51	22.48			
20	16QAM	1	99	22.44	22.36	22.50	22.5	2	
20	16QAM	50	0	21.23	21.20	21.21			
20	16QAM	50	24	21.26	21.19	21.26			
20	16QAM	50	50	21.22	21.20	21.26	22.5	2	
20	16QAM	100	0	21.22	21.21	21.24			
20	64QAM	1	0	21.34	21.45	21.41			
20	64QAM	1	49	21.42	21.43	21.46	22.5	2	
20	64QAM	1	99	21.27	21.25	21.42			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27	21.5	3	
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.15	23.16	23.22	24.5	0	
15	QPSK	1	37	23.09	23.16	23.13			
15	QPSK	1	74	23.10	23.03	23.12			
15	QPSK	36	0	22.22	22.17	22.17	23.5	1	
15	QPSK	36	20	22.12	22.19	22.24			
15	QPSK	36	39	22.11	22.06	22.15			
15	QPSK	75	0	22.09	22.21	22.25	23.5	1	
15	16QAM	1	0	22.49	22.41	22.34			
15	16QAM	1	37	22.39	22.49	22.40			
15	16QAM	1	74	22.40	22.30	22.42	22.5	2	
15	16QAM	36	0	21.22	21.05	21.15			
15	16QAM	36	20	21.16	21.05	21.19			
15	16QAM	36	39	21.09	21.13	21.13	22.5	2	
15	16QAM	75	0	21.13	21.10	21.20			
15	64QAM	1	0	21.27	21.39	21.28			
15	64QAM	1	37	21.30	21.38	21.37	22.5	2	
15	64QAM	1	74	21.13	21.21	21.33			
15	64QAM	36	0	20.17	20.18	20.07			
15	64QAM	36	20	20.26	20.20	20.26	21.5	3	
15	64QAM	36	39	20.11	20.05	20.21			
15	64QAM	75	0	20.20	20.08	20.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.14	23.18	23.18	24.5	0	
10	QPSK	1	25	23.07	23.12	23.19			
10	QPSK	1	49	23.06	23.07	23.19			
10	QPSK	25	0	22.16	22.21	22.21	23.5	1	
10	QPSK	25	12	22.14	22.11	22.18			
10	QPSK	25	25	22.14	22.14	22.14			
10	QPSK	50	0	22.18	22.14	22.14	23.5	1	
10	16QAM	1	0	22.39	22.43	22.38			
10	16QAM	1	25	22.51	22.47	22.42			
10	16QAM	1	49	22.37	22.34	22.47	22.5	2	
10	16QAM	25	0	21.18	21.19	21.07			
10	16QAM	25	12	21.15	21.09	21.17			
10	16QAM	25	25	21.07	21.13	21.25	22.5	2	
10	16QAM	50	0	21.17	21.14	21.20			
10	64QAM	1	0	21.25	21.33	21.30			
10	64QAM	1	25	21.38	21.36	21.40	22.5	2	
10	64QAM	1	49	21.17	21.13	21.29			
10	64QAM	25	0	20.13	20.08	20.06			
10	64QAM	25	12	20.23	20.07	20.25	21.5	3	
10	64QAM	25	25	20.12	20.07	20.21			
10	64QAM	50	0	20.15	20.05	20.20			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.16	23.18	23.24	24.5	0	
5	QPSK	1	12	23.09	23.18	23.24			
5	QPSK	1	24	23.06	23.00	23.10			
5	QPSK	12	0	22.14	22.24	22.16	23.5	1	
5	QPSK	12	7	22.20	22.16	22.14			
5	QPSK	12	13	22.18	22.15	22.21			
5	QPSK	25	0	22.23	22.28	22.14	23.5	1	
5	16QAM	1	0	22.40	22.41	22.35			
5	16QAM	1	12	22.50	22.37	22.34			
5	16QAM	1	24	22.33	22.35	22.45	22.5	2	
5	16QAM	12	0	21.17	21.06	21.16			
5	16QAM	12	7	21.17	21.07	21.21			
5	16QAM	12	13	21.16	21.07	21.25	22.5	2	
5	16QAM	25	0	21.13	21.05	21.09			
5	64QAM	1	0	21.20	21.39	21.40			
5	64QAM	1	12	21.31	21.36	21.45	22.5	2	
5	64QAM	1	24	21.25	21.11	21.33			
5	64QAM	12	0	20.14	20.20	20.14			
5	64QAM	12	7	20.16	20.11	20.14	21.5	3	
5	64QAM	12	13	20.13	20.16	20.25			
5	64QAM	25	0	20.11	20.11	20.23			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.14	23.15	23.20	24.5	0	
3	QPSK	1	8	23.15	23.21	23.11			
3	QPSK	1	14	22.97	23.07	23.16			
3	QPSK	8	0	22.18	22.20	22.12	23.5	1	
3	QPSK	8	4	22.25	22.18	22.12			
3	QPSK	8	7	22.19	22.16	22.12			
3	QPSK	15	0	22.09	22.27	22.24	23.5	1	
3	16QAM	1	0	22.45	22.40	22.45			
3	16QAM	1	8	22.45	22.47	22.40			
3	16QAM	1	14	22.33	22.22	22.46	22.5	2	
3	16QAM	8	0	21.21	21.08	21.10			
3	16QAM	8	4	21.22	21.10	21.15			
3	16QAM	8	7	21.07	21.09	21.15	22.5	2	
3	16QAM	15	0	21.08	21.06	21.12			
3	64QAM	1	0	21.30	21.43	21.29			
3	64QAM	1	8	21.36	21.29	21.40	22.5	2	
3	64QAM	1	14	21.13	21.12	21.38			
3	64QAM	8	0	20.18	20.15	20.13			
3	64QAM	8	4	20.12	20.13	20.13	21.5	3	
3	64QAM	8	7	20.07	20.04	20.18			
3	64QAM	15	0	20.08	20.06	20.10			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0	
1.4	QPSK	1	3	23.20	23.23	23.23			
1.4	QPSK	1	5	22.98	23.12	23.18			
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1	
1.4	QPSK	3	1	23.07	23.24	23.19			
1.4	QPSK	3	3	23.01	23.08	23.21			
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1	
1.4	16QAM	1	0	22.40	22.38	22.36	23.5	1	
1.4	16QAM	1	3	22.48	22.39	22.38			
1.4	16QAM	1	5	22.40	22.35	22.45			
1.4	16QAM	3	0	22.38	22.38	22.45	22.5	2	
1.4	16QAM	3	1	22.51	22.40	22.47			
1.4	16QAM	3	3	22.43	22.30	22.46			
1.4	64QAM	1	0	21.33	21.38	21.36	22.5	2	
1.4	64QAM	1	3	21.29	21.37	21.41			
1.4	64QAM	1	5	21.21	21.13	21.36			
1.4	64QAM	3	0	21.22	21.43	21.26	21.5	3	
1.4	64QAM	3	1	21.26	21.38	21.30			
1.4	64QAM	3	3	21.21	21.17	21.35			
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3	

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.76	23.87	23.86	25	0	
10	QPSK	1	25	23.66	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74	24	1	
10	QPSK	25	12	22.63	22.67	22.72			
10	QPSK	25	25	22.63	22.69	22.70			
10	QPSK	50	0	22.67	22.75	22.73	24	1	
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97	23	2	
10	16QAM	25	0	21.66	21.63	21.74			
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.60	21.78	21.71	23	2	
10	16QAM	50	0	21.62	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.85	21.77	21.95	23	2	
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.83	25	0	
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.60	22.72	22.61	24	1	
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.62	22.62			
5	QPSK	25	0	22.56	22.62	22.66	24	1	
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.61	22.62	22.93			
5	16QAM	1	24	22.67	22.90	22.86	23	2	
5	16QAM	12	0	21.65	21.54	21.72			
5	16QAM	12	7	21.56	21.64	21.65			
5	16QAM	12	13	21.57	21.73	21.70	23	2	
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94	23	2	
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58	22	3	
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76	25	0	
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71	24	1	
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.60	22.61	22.69			
3	QPSK	15	0	22.59	22.73	22.64	24	1	
3	16QAM	1	0	22.62	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91	23	2	
3	16QAM	8	0	21.65	21.57	21.63			
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64	23	2	
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95			
3	64QAM	1	8	21.78	21.69	21.88	23	2	
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57	22	3	
3	64QAM	8	7	20.63	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84	25	0	
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85	24	1	
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.65	24	1	
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84	24	1	
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.88	22.86	23	2	
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.82	21.73	21.92	23	2	
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70	22	3	
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64		25	0
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.55		24	1
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.55	22.56	22.47			
10	QPSK	50	0	22.56	22.60	22.52		24	1
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93		23	2
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62		23	2
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66		23	2
10	64QAM	1	49	21.62	21.68	21.94			
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48		22	3
10	64QAM	25	25	20.52	20.50	20.52			
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58		25	0
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40		24	1
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33			
5	QPSK	25	0	22.54	22.57	22.48		24	1
5	16QAM	1	0	22.84	23.03	22.66			
5	16QAM	1	12	22.58	22.71	22.90			
5	16QAM	1	24	22.80	22.84	22.92		23	2
5	16QAM	12	0	21.49	21.46	21.53			
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61		23	2
5	16QAM	25	0	21.58	21.39	21.48			
5	64QAM	1	0	21.63	21.85	21.75			
5	64QAM	1	12	21.61	21.56	21.64		23	2
5	64QAM	1	24	21.48	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36		22	3
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55			
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61		25	0
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.41	23.42	23.48			
3	QPSK	8	0	22.53	22.61	22.42		24	1
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	8	7	22.41	22.52	22.40			
3	QPSK	15	0	22.54	22.56	22.44		24	1
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89			
3	16QAM	1	14	22.77	22.83	22.83		23	2
3	16QAM	8	0	21.53	21.37	21.46			
3	16QAM	8	4	21.57	21.39	21.53			
3	16QAM	8	7	21.53	21.37	21.56		23	2
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55		23	2
3	64QAM	1	14	21.55	21.61	21.88			
3	64QAM	8	0	20.49	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.36		22	3
3	64QAM	8	7	20.47	20.42	20.40			
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57		25	0
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54		24	1
1.4	QPSK	3	1	23.45	23.29	23.49			
1.4	QPSK	3	3	23.46	23.54	23.45			
1.4	QPSK	6	0	22.43	22.47	22.39		24	1
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.89	22.80			
1.4	16QAM	1	5	22.87	22.79	22.87		24	1
1.4	16QAM	3	0	22.80	23.02	22.79			
1.4	16QAM	3	1	22.66	22.79	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86		23	2
1.4	16QAM	6	0	21.50	21.37	21.58			
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63		23	2
1.4	64QAM	1	5	21.51	21.67	21.83			
1.4	64QAM	3	0	21.61	21.85	21.68			
1.4	64QAM	3	1	21.63	21.59	21.57		22	3
1.4	64QAM	3	3	21.60	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20850	21100	21350	22	0				
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	21.30	21.35	21.29				22	0	
20	QPSK	1	49	21.16	21.30	21.18						
20	QPSK	1	99	21.19	21.29	21.24						
20	QPSK	50	0	21.29	21.35	21.27						
20	QPSK	50	24	21.18	21.32	21.26	22	0				
20	QPSK	50	50	21.28	21.24	21.23						
20	QPSK	100	0	21.23	21.31	21.20						
20	16QAM	1	0	21.20	21.31	21.25						
20	16QAM	1	49	21.17	21.27	21.23	22	0				
20	16QAM	1	99	21.28	21.30	21.19						
20	16QAM	50	0	21.16	21.23	21.27						
20	16QAM	50	24	21.21	21.33	21.16						
20	16QAM	50	50	21.29	21.35	21.19	22	0				
20	16QAM	100	0	21.20	21.33	21.26						
20	64QAM	1	0	21.21	21.24	21.26						
20	64QAM	1	49	21.23	21.26	21.14						
20	64QAM	1	99	21.25	21.32	21.25	22	0				
20	64QAM	50	0	20.61	20.76	20.76						
20	64QAM	50	24	20.68	20.82	20.71						
20	64QAM	50	50	20.71	20.80	20.70						
20	64QAM	100	0	20.65	20.78	20.72	21.5	0.5				
Channel				20825	21100	21375						
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	21.20	21.26	21.14				22	0	
15	QPSK	1	37	21.12	21.17	21.09						
15	QPSK	1	74	21.14	21.28	21.16						
15	QPSK	36	0	21.15	21.26	21.20						
15	QPSK	36	20	21.14	21.27	21.11	22	0				
15	QPSK	36	39	21.20	21.20	21.22						
15	QPSK	75	0	21.10	21.29	21.12						
15	16QAM	1	0	21.06	21.27	21.15						
15	16QAM	1	37	21.02	21.20	21.10	22	0				
15	16QAM	1	74	21.25	21.16	21.13						
15	16QAM	36	0	21.11	21.21	21.14						
15	16QAM	36	20	21.15	21.31	21.14						
15	16QAM	36	39	21.17	21.23	21.06	22	0				
15	16QAM	75	0	21.14	21.18	21.16						
15	64QAM	1	0	21.18	21.22	21.23						
15	64QAM	1	37	21.21	21.13	21.11						
15	64QAM	1	74	21.23	21.23	21.16	21.5	0.5				
15	64QAM	36	0	20.57	20.69	20.62						
15	64QAM	36	20	20.58	20.81	20.56						
15	64QAM	36	39	20.56	20.77	20.69						
15	64QAM	75	0	20.51	20.74	20.62	22	0				
Channel				20800	21100	21400						
Frequency (MHz)				2505	2535	2565						
10	QPSK	1	0	21.25	21.28	21.26				22	0	
10	QPSK	1	25	21.12	21.19	21.11						
10	QPSK	1	49	21.09	21.22	21.17						
10	QPSK	25	0	21.23	21.21	21.18						
10	QPSK	25	12	21.17	21.19	21.24	22	0				
10	QPSK	25	25	21.15	21.11	21.20						
10	QPSK	50	0	21.10	21.22	21.12						
10	16QAM	1	0	21.11	21.24	21.23						
10	16QAM	1	25	21.16	21.22	21.17	22	0				
10	16QAM	1	49	21.15	21.15	21.06						
10	16QAM	25	0	21.03	21.09	21.17						
10	16QAM	25	12	21.16	21.18	21.13						
10	16QAM	25	25	21.24	21.32	21.17	22	0				
10	16QAM	50	0	21.14	21.24	21.18						
10	64QAM	1	0	21.09	21.11	21.18						
10	64QAM	1	25	21.12	21.13	21.01						
10	64QAM	1	49	21.11	21.18	21.16	22	0				
10	64QAM	25	0	20.48	20.74	20.74						
10	64QAM	25	12	20.65	20.73	20.69						
10	64QAM	25	25	20.60	20.72	20.62						
10	64QAM	50	0	20.62	20.72	20.65	21.5	0.5				
Channel				20775	21100	21425						
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	21.18	21.36	21.21				22	0	
5	QPSK	1	12	21.09	21.26	21.03						
5	QPSK	1	24	21.05	21.20	21.20						
5	QPSK	12	0	21.16	21.25	21.22						
5	QPSK	12	7	21.15	21.23	21.24	22	0				
5	QPSK	12	13	21.22	21.10	21.09						
5	QPSK	25	0	21.12	21.26	21.18						
5	16QAM	1	0	21.14	21.16	21.11						
5	16QAM	1	12	21.16	21.15	21.10	22	0				
5	16QAM	1	24	21.24	21.24	21.06						
5	16QAM	12	0	21.01	21.21	21.15						
5	16QAM	12	7	21.08	21.24	21.07						
5	16QAM	12	13	21.26	21.27	21.12	22	0				
5	16QAM	25	0	21.14	21.28	21.12						
5	64QAM	1	0	21.13	21.17	21.20						
5	64QAM	1	12	21.15	21.25	21.10						
5	64QAM	1	24	21.12	21.25	21.20	22	0				
5	64QAM	12	0	20.59	20.64	20.62						
5	64QAM	12	7	20.57	20.68	20.67						
5	64QAM	12	13	20.62	20.75	20.57						
5	64QAM	25	0	20.62	20.73	20.68	21.5	0.5				

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.53	23.67	23.55			
20	QPSK	1	49	23.49	23.65	23.50			
20	QPSK	1	99	23.41	23.53	23.51			
20	QPSK	50	0	22.52	22.60	22.51			
20	QPSK	50	24	22.49	22.58	22.39			
20	QPSK	50	50	22.51	22.52	22.47			
20	QPSK	100	0	22.48	22.52	22.43			
20	16QAM	1	0	22.65	22.90	22.70			
20	16QAM	1	49	22.69	22.66	22.70			
20	16QAM	1	99	22.76	22.69	22.80			
20	16QAM	50	0	21.51	21.47	21.46			
20	16QAM	50	24	21.50	21.51	21.42			
20	16QAM	50	50	21.50	21.44	21.46			
20	16QAM	100	0	21.51	21.47	21.44			
20	64QAM	1	0	21.75	21.76	21.61			
20	64QAM	1	49	21.79	21.61	21.71			
20	64QAM	1	99	21.70	21.52	21.65			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45			
20	64QAM	50	50	20.58	20.51	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.51	23.66	23.43			
15	QPSK	1	37	23.37	23.63	23.45			
15	QPSK	1	74	23.33	23.44	23.49			
15	QPSK	36	0	22.50	22.46	22.50			
15	QPSK	36	20	22.43	22.48	22.32			
15	QPSK	36	39	22.44	22.42	22.36			
15	QPSK	75	0	22.39	22.44	22.36			
15	16QAM	1	0	22.62	22.78	22.66			
15	16QAM	1	37	22.63	22.52	22.59			
15	16QAM	1	74	22.65	22.64	22.65			
15	16QAM	36	0	21.36	21.40	21.38			
15	16QAM	36	20	21.44	21.50	21.32			
15	16QAM	36	39	21.56	21.41	21.33			
15	16QAM	75	0	21.46	21.33	21.52			
15	64QAM	1	0	21.65	21.61	21.64			
15	64QAM	1	37	21.68	21.47	21.64			
15	64QAM	1	74	21.61	21.42	21.50			
15	64QAM	36	0	20.48	20.48	20.41			
15	64QAM	36	20	20.36	20.46	20.42			
15	64QAM	36	39	20.51	20.36	20.39			
15	64QAM	75	0	20.47	20.50	20.34			
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.38	23.56	23.48			
10	QPSK	1	25	23.45	23.63	23.38			
10	QPSK	1	49	23.24	23.50	23.50			
10	QPSK	25	0	22.46	22.55	22.48			
10	QPSK	25	12	22.41	22.43	22.31			
10	QPSK	25	25	22.42	22.42	22.36			
10	QPSK	50	0	22.36	22.50	22.41			
10	16QAM	1	0	22.50	22.77	22.65			
10	16QAM	1	25	22.64	22.51	22.65			
10	16QAM	1	49	22.75	22.60	22.75			
10	16QAM	25	0	21.44	21.50	21.41			
10	16QAM	25	12	21.43	21.39	21.38			
10	16QAM	25	25	21.50	21.36	21.37			
10	16QAM	50	0	21.36	21.45	21.37			
10	64QAM	1	0	21.69	21.65	21.63			
10	64QAM	1	25	21.68	21.52	21.65			
10	64QAM	1	49	21.68	21.49	21.62			
10	64QAM	25	0	20.48	20.41	20.33			
10	64QAM	25	12	20.39	20.42	20.34			
10	64QAM	25	25	20.45	20.43	20.36			
10	64QAM	50	0	20.45	20.46	20.32			
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.40	23.66	23.41			
5	QPSK	1	12	23.41	23.62	23.38			
5	QPSK	1	24	23.28	23.38	23.40			
5	QPSK	12	0	22.41	22.48	22.36			
5	QPSK	12	7	22.47	22.48	22.36			
5	QPSK	12	13	22.48	22.43	22.32			
5	QPSK	25	0	22.44	22.44	22.34			
5	16QAM	1	0	22.62	22.78	22.65			
5	16QAM	1	12	22.41	22.33	22.62			
5	16QAM	1	24	22.69	22.62	22.77			
5	16QAM	12	0	21.50	21.45	21.40			
5	16QAM	12	7	21.38	21.50	21.40			
5	16QAM	12	13	21.49	21.35	21.31			
5	16QAM	25	0	21.38	21.41	21.41			
5	64QAM	1	0	21.62	21.67	21.65			
5	64QAM	1	12	21.75	21.46	21.56			
5	64QAM	1	24	21.68	21.49	21.62			
5	64QAM	12	0	20.40	20.43	20.34			
5	64QAM	12	7	20.40	20.41	20.40			
5	64QAM	12	13	20.49	20.40	20.36			
5	64QAM	25	0	20.40	20.41	20.27			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.60				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5 <th colspan="2" rowspan="3">0</th>	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37	23.5	1		
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81	22.5	2		
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5 <th colspan="2" rowspan="3">0</th>	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25	23.5	1		
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27	23.5	1		
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79	22.5	2		
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.62				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	2		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23750	23790	23800						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.35	23.40	23.38	24.5	0				
10	QPSK	1	25	23.33	23.38	23.30						
10	QPSK	1	49	23.30	23.23	23.24						
10	QPSK	25	0	22.31	22.33	22.28						
10	QPSK	25	12	22.25	22.31	22.25	23.5	1				
10	QPSK	25	25	22.29	22.21	22.25						
10	QPSK	50	0	22.25	22.25	22.21						
10	16QAM	1	0	22.45	22.25	22.50						
10	16QAM	1	25	22.58	22.41	22.60	23.5	1				
10	16QAM	1	49	22.43	22.42	22.61						
10	16QAM	25	0	21.19	21.21	21.19						
10	16QAM	25	12	21.18	21.32	21.23						
10	16QAM	25	25	21.22	21.27	21.18	22.5	2				
10	16QAM	50	0	21.20	21.29	21.19						
10	64QAM	1	0	21.46	21.32	21.38						
10	64QAM	1	25	21.40	21.52	21.54						
10	64QAM	1	49	21.52	21.34	21.56	22.5	2				
10	64QAM	25	0	20.30	20.18	20.25						
10	64QAM	25	12	20.23	20.22	20.29						
10	64QAM	25	25	20.32	20.22	20.26						
10	64QAM	50	0	20.23	20.20	20.24	21.5	3				
Channel				23755	23790	23825						
Frequency (MHz)				706.5 <th>710<th>713.5<th></th><th></th><th></th></th></th>	710 <th>713.5<th></th><th></th><th></th></th>	713.5 <th></th> <th></th> <th></th>						
										Tune-up limit (dBm)		MPR (dB)
5	QPSK	1	0	23.33	23.35	23.23	23.5	0				
5	QPSK	1	12	23.33	23.35	23.09						
5	QPSK	1	24	23.26	23.10	23.24						
5	QPSK	12	0	22.26	22.18	22.22						
5	QPSK	12	7	22.16	22.27	22.18	23.5	1				
5	QPSK	12	13	22.16	22.18	22.22						
5	QPSK	25	0	22.17	22.23	22.12						
5	16QAM	1	0	22.39	22.17	22.48						
5	16QAM	1	12	22.57	22.40	22.52	23.5	1				
5	16QAM	1	24	22.41	22.19	22.46						
5	16QAM	12	0	21.12	21.14	21.07						
5	16QAM	12	7	21.12	21.19	21.11						
5	16QAM	12	13	21.11	21.15	21.09	22.5	2				
5	16QAM	25	0	21.14	21.24	21.12						
5	64QAM	1	0	21.45	21.20	21.35						
5	64QAM	1	12	21.29	21.40	21.44						
5	64QAM	1	24	21.44	21.27	21.56	22.5	2				
5	64QAM	12	0	20.17	20.17	20.09						
5	64QAM	12	7	20.21	20.10	20.23						
5	64QAM	12	13	20.23	20.19	20.24						
5	64QAM	25	0	20.17	20.06	20.13	21.5	3				

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	23.5	1	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.86	22.82	23.5	1	
15	QPSK	36	20	22.71	22.86	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	23.5	1	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	16QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	22.5	2	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	21.5	3	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	24.5	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77	24.5	0	
10	QPSK	1	25	23.64	23.84	23.68			
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75	23.5	1	
10	QPSK	25	12	22.68	22.78	22.65			
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68	23.5	1	
10	16QAM	1	0	22.95	23.03	23.10			
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.90	23.01	23.05	22.5	2	
10	16QAM	25	0	21.52	21.67	21.75			
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71	22.5	2	
10	16QAM	50	0	21.74	21.73	21.88			
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97	21.5	3	
10	64QAM	1	49	22.00	22.05	22.03			
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84	21.5	3	
10	64QAM	25	25	20.71	20.79	20.85			
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	24.5	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.90	23.77	23.5	1	
5	QPSK	1	12	23.70	23.86	23.81			
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72	23.5	1	
5	QPSK	12	7	22.61	22.68	22.66			
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78	23.5	1	
5	16QAM	1	0	22.96	22.95	23.05			
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06	22.5	2	
5	16QAM	12	0	21.60	21.64	21.80			
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76	22.5	2	
5	16QAM	25	0	21.66	21.76	21.89			
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94	21.5	3	
5	64QAM	1	24	22.05	22.09	22.04			
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78	21.5	3	
5	64QAM	12	13	20.74	20.78	20.80			
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	24.5	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.79	24.5	0	
3	QPSK	1	8	23.61	23.82	23.72			
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71	23.5	1	
3	QPSK	8	4	22.63	22.76	22.75			
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76	23.5	1	
3	16QAM	1	0	22.85	23.03	23.09			
3	16QAM	1	2	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.71	22.5	2	
3	16QAM	8	0	21.50	21.63	21.79			
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76	22.5	2	
3	16QAM	15	0	21.63	21.73	21.78			
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.85	21.5	3	
3	64QAM	1	14	22.00	22.08	22.00			
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78	21.5	3	
3	64QAM	8	7	20.71	20.74	20.80			
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	24.5	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77	24.5	0	
1.4	QPSK	1	3	23.59	23.79	23.73			
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.75	23.5	1	
1.4	QPSK	3	1	23.63	23.78	23.72			
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76	23.5	1	
1.4	16QAM	1	0	22.87	23.02	23.03			
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97	22.5	2	
1.4	16QAM	3	0	22.95	22.94	23.10			
1.4	16QAM	3	1	22.98	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97	22.5	2	
1.4	16QAM	6	0	21.71	21.76	21.81			
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00	22.5	2	
1.4	64QAM	1	5	22.01	22.08	22.01			
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93	21.5	3	
1.4	64QAM	3	3	22.10	22.09	21.97			
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	24.5	0	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	23.5	1	
15	QPSK	36	20	22.60	22.51	22.53			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.45	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.38	23.5	1	
20	QPSK	50	24	22.44	22.39	22.34			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.38	23.36	23.42	24.5	0	
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.19	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.46	21.30	21.15			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.31	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.26	23.29	23.31	24.5	0	
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.36	22.28			
10	QPSK	25	25	22.24	22.26	22.24			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	23.5	1	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.29	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.30			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.33	23.33	23.43	24.5	0	
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.25	22.48			
5	16QAM	1	24	22.27	22.40	22.55	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.42	23.37	23.39	24.5	0	
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.41	23.38	23.39	24.5	0	
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56	23.5	1	
1.4	16QAM	1	5	22.31	22.35	22.55			
1.4	16QAM	3	0	22.45	22.40	22.44			
1.4	16QAM	3	1	22.55	22.26	22.58	22.5	2	
1.4	16QAM	3	3	22.35	22.39	22.42			
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2	
1.4	64QAM	1	5	21.38	21.41	21.42			
1.4	64QAM	3	0	21.47	21.57	21.52			
1.4	64QAM	3	1	21.64	21.58	21.49	21.5	3	
1.4	64QAM	3	3	21.64	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.56			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.82	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.36			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.24	23.35	23.30	24.5	0		
20	QPSK	1	49	23.15	23.22	23.26				
20	QPSK	1	99	23.20	23.34	23.24				
20	QPSK	36	0	22.21	22.30	22.26				
20	QPSK	50	24	22.17	22.19	22.20	23.5	1		
20	QPSK	50	50	22.19	22.25	22.22				
20	QPSK	100	0	22.14	22.27	22.22				
20	16QAM	1	0	22.02	22.09	22.14				
20	16QAM	1	49	22.21	22.25	22.23	23.5	1		
20	16QAM	1	99	22.23	22.37	22.41				
20	16QAM	50	0	21.18	21.18	21.22				
20	16QAM	50	24	21.11	21.21	21.32				
20	16QAM	50	50	21.15	21.24	21.37	22.5	2		
20	16QAM	100	0	21.10	21.18	21.29				
20	64QAM	1	0	20.74	20.84	20.90				
20	64QAM	1	49	20.95	21.05	21.06				
20	64QAM	1	99	21.01	20.99	21.12	22.5	2		
20	64QAM	50	0	20.16	20.15	20.21				
20	64QAM	50	24	20.15	20.22	20.31				
20	64QAM	50	50	20.23	20.26	20.40				
20	64QAM	100	0	20.18	20.21	20.29	21.5	3		
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.21	23.31	23.22	24.5	0		
15	QPSK	1	37	23.05	23.10	23.23				
15	QPSK	1	74	23.11	23.27	23.23				
15	QPSK	36	0	22.19	22.15	22.20				
15	QPSK	36	20	22.11	22.12	22.08	23.5	1		
15	QPSK	36	39	22.17	22.18	22.15				
15	QPSK	75	0	22.12	22.21	22.15				
15	16QAM	1	0	21.91	21.97	22.07				
15	16QAM	1	37	22.11	22.21	22.08	23.5	1		
15	16QAM	1	74	22.11	22.36	22.36				
15	16QAM	36	0	21.07	21.07	21.09				
15	16QAM	36	20	21.04	21.13	21.28				
15	16QAM	36	39	21.03	21.17	21.29	22.5	2		
15	16QAM	75	0	21.01	21.16	21.23				
15	64QAM	1	0	20.68	20.72	20.83				
15	64QAM	1	37	20.88	20.93	20.99				
15	64QAM	1	74	20.95	20.93	21.10	22.5	2		
15	64QAM	36	0	20.07	20.16	20.13				
15	64QAM	36	20	20.01	20.15	20.21				
15	64QAM	36	39	20.16	20.12	20.33				
15	64QAM	75	0	20.13	20.18	20.26	21.5	3		
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.17	23.29	23.28	24.5	0		
10	QPSK	1	25	23.08	23.10	23.16				
10	QPSK	1	49	23.07	23.25	23.11				
10	QPSK	25	0	22.09	22.20	22.21				
10	QPSK	25	12	22.14	22.08	22.19	23.5	1		
10	QPSK	25	25	22.11	22.11	22.10				
10	QPSK	50	0	22.01	22.21	22.08				
10	16QAM	1	0	21.89	22.00	22.01				
10	16QAM	1	25	22.09	22.10	22.18	23.5	1		
10	16QAM	1	49	22.16	22.26	22.28				
10	16QAM	25	0	21.07	21.16	21.08				
10	16QAM	25	12	21.06	21.20	21.31				
10	16QAM	25	25	21.02	21.23	21.34	22.5	2		
10	16QAM	50	0	21.03	21.03	21.18				
10	64QAM	1	0	20.67	20.71	20.82				
10	64QAM	1	25	20.81	20.92	20.99				
10	64QAM	1	49	21.00	20.91	21.02	22.5	2		
10	64QAM	25	0	20.10	20.14	20.19				
10	64QAM	25	12	20.02	20.12	20.25				
10	64QAM	25	25	20.16	20.20	20.36				
10	64QAM	50	0	20.07	20.10	20.27	21.5	3		
Channel				37775	38000	38225				
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th></th>	2595 <th>2617.5</th>	2617.5				
5	QPSK	1	0	23.09	23.24	23.24	24.5	0		
5	QPSK	1	12	23.06	23.14	23.17				
5	QPSK	1	24	23.12	23.24	23.16				
5	QPSK	12	0	22.10	22.22	22.13				
5	QPSK	12	7	22.15	22.11	22.14	23.5	1		
5	QPSK	12	13	22.09	22.11	22.20				
5	QPSK	25	0	22.03	22.23	22.07				
5	16QAM	1	0	21.99	21.95	22.06				
5	16QAM	1	12	22.12	22.22	22.20	23.5	1		
5	16QAM	1	24	22.09	22.27	22.40				
5	16QAM	12	0	21.03	21.06	21.16				
5	16QAM	12	7	21.03	21.10	21.22				
5	16QAM	12	13	21.08	21.13	21.22	22.5	2		
5	16QAM	25	0	21.00	21.04	21.23				
5	64QAM	1	0	20.72	20.81	20.84				
5	64QAM	1	12	20.91	20.96	21.03				
5	64QAM	1	24	20.96	20.87	20.98	22.5	2		
5	64QAM	12	0	20.12	20.12	20.20				
5	64QAM	12	7	20.07	20.07	20.16				
5	64QAM	12	13	20.12	20.19	20.29				
5	64QAM	25	0	20.04	20.19	20.23	21.5	3		
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595 <td>2617.5</td>	2617.5				

Band 38_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	23.10	23.22	23.17	24	0				
20	QPSK	1	49	23.01	23.20	23.11						
20	QPSK	1	99	23.06	23.17	23.07						
20	QPSK	36	0	22.55	22.63	22.57						
20	QPSK	50	24	22.51	22.62	22.52	23.5	0.5				
20	QPSK	50	50	22.50	22.61	22.53						
20	QPSK	100	0	22.53	22.61	22.53						
20	16QAM	1	0	22.56	22.64	22.56						
20	16QAM	1	49	22.87	22.70	22.64	23.5	0.5				
20	16QAM	1	99	22.80	22.84	22.53						
20	16QAM	50	0	21.57	21.58	21.57						
20	16QAM	50	24	21.57	21.62	21.57						
20	16QAM	50	50	21.60	21.61	21.51	22.5	1.5				
20	16QAM	100	0	21.56	21.59	21.55						
20	64QAM	1	0	21.35	21.32	21.30						
20	64QAM	1	49	21.30	21.42	21.41						
20	64QAM	1	99	21.43	21.36	21.17	22.5	1.5				
20	64QAM	36	0	22.44	22.55	22.40						
20	64QAM	50	24	22.50	22.61	22.57						
20	64QAM	50	50	22.63	22.65	22.55						
20	64QAM	100	0	22.60	22.61	22.57	21.5	2.5				
Channel				37850	38000	38150						
Frequency (MHz)				2577.5	2595	2612.5				Tune-up limit (dBm)		MPR (dB)
15	QPSK	1	0	22.99	23.20	23.04				24	0	
15	QPSK	1	37	22.95	23.06	23.02						
15	QPSK	1	74	22.93	23.06	23.01						
15	QPSK	36	0	22.42	22.50	22.52						
15	QPSK	36	36	22.44	22.55	22.48	23.5	0.5				
15	QPSK	36	36	22.46	22.52	22.50						
15	QPSK	75	0	22.42	22.56	22.43						
15	16QAM	1	0	22.53	22.59	22.42						
15	16QAM	1	37	22.53	22.60	22.50	23.5	0.5				
15	16QAM	1	74	22.65	22.60	22.38						
15	16QAM	36	0	21.54	21.51	21.56						
15	16QAM	36	36	21.54	21.54	21.52						
15	16QAM	36	36	21.46	21.56	21.44	22.5	1.5				
15	16QAM	75	0	21.51	21.50	21.47						
15	64QAM	1	0	21.33	21.22	21.27						
15	64QAM	1	37	21.17	21.29	21.27						
15	64QAM	1	74	21.34	21.21	21.22	22.5	1.5				
15	64QAM	36	0	20.45	20.51	20.56						
15	64QAM	36	36	20.57	20.60	20.44						
15	64QAM	36	39	20.58	20.64	20.41						
15	64QAM	75	0	20.55	20.56	20.56	21.5	2.5				
Channel				37850	38000	38150				Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2577.5	2595	2615						
10	QPSK	1	0	23.07	23.07	23.15				24	0	
10	QPSK	1	25	22.87	23.17	22.99						
10	QPSK	1	49	22.93	23.04	23.00						
10	QPSK	1	49	22.41	22.54	22.53						
10	QPSK	25	12	22.39	22.48	22.40	23.5	0.5				
10	QPSK	25	25	22.45	22.47	22.49						
10	QPSK	50	0	22.45	22.49	22.44						
10	16QAM	1	0	22.46	22.57	22.51						
10	16QAM	1	25	22.62	22.66	22.56	23.5	0.5				
10	16QAM	1	49	22.65	22.52	22.46						
10	16QAM	25	0	21.50	21.49	21.56						
10	16QAM	25	12	21.48	21.50	21.55						
10	16QAM	25	12	21.42	21.54	21.49	22.5	1.5				
10	16QAM	50	0	21.42	21.56	21.40						
10	64QAM	1	0	21.27	21.26	21.28						
10	64QAM	1	25	21.17	21.39	21.32						
10	64QAM	1	49	21.42	21.34	21.02	22.5	1.5				
10	64QAM	25	0	20.44	20.56	20.47						
10	64QAM	25	12	20.57	20.54	20.48						
10	64QAM	25	25	20.54	20.58	20.42						
10	64QAM	50	0	20.54	20.58	20.44	21.5	2.5				
Channel				3777.5	38000	38225				Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	23.00	23.09	23.05				24	0	
5	QPSK	1	12	22.94	23.07	23.06						
5	QPSK	1	24	23.03	22.98	22.96						
5	QPSK	12	0	22.41	22.52	22.48						
5	QPSK	12	7	22.47	22.57	22.49	23.5	0.5				
5	QPSK	12	13	22.43	22.53	22.41						
5	QPSK	25	0	22.39	22.47	22.48						
5	16QAM	1	0	22.46	22.57	22.51						
5	16QAM	1	12	22.64	22.58	22.53	23.5	0.5				
5	16QAM	1	24	22.65	22.53	22.43						
5	16QAM	12	0	21.52	21.50	21.50						
5	16QAM	12	7	21.52	21.56	21.45						
5	16QAM	12	13	21.56	21.58	21.38	22.5	1.5				
5	16QAM	25	0	21.44	21.48	21.49						
5	64QAM	1	0	21.20	21.31	21.27						
5	64QAM	1	12	21.19	21.34	21.38						
5	64QAM	1	24	21.37	21.35	21.08	22.5	1.5				
5	64QAM	12	0	20.50	20.58	20.50						
5	64QAM	12	7	20.61	20.55	20.52						
5	64QAM	12	13	20.51	20.56	20.47						
5	64QAM	25	0	20.45	20.45	20.41	21.5	2.5				
5	64QAM	25	12	20.57	20.58	20.51						
5	64QAM	25	25	20.54	20.58	20.42						
5	64QAM	50	0	20.54	20.58	20.44						

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.18	22.93	23.10	23.35	23.43	24.5	0
20	QPSK	1	49	23.04	22.96	23.53	23.20	23.43		
20	QPSK	1	99	22.93	22.92	23.51	23.06	23.47	23.5	1
20	QPSK	50	0	22.12	22.10	22.48	22.22	22.43		
20	QPSK	50	24	21.97	21.88	22.42	22.13	22.35	23.5	1
20	QPSK	50	50	21.94	21.87	22.45	22.15	22.41		
20	QPSK	100	0	22.08	22.00	22.41	22.12	22.20	23.5	1
20	16QAM	1	0	22.11	22.00	22.43	22.09	22.28		
20	16QAM	1	49	22.08	22.05	22.46	22.18	22.32	22.5	2
20	16QAM	1	99	21.91	21.88	22.38	22.21	22.35		
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35	22.5	2
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.38		
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	21.5	3
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26		
20	64QAM	1	0	20.82	20.58	21.10	20.78	21.01	22.5	2
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12		
20	64QAM	1	99	20.63	20.69	21.08	20.95	21.19	21.5	3
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32		
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32	21.5	3
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35		
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35		
Channel				39725	40173	40620	41058	41515	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.5	2641.3	2693	2737.8	2802.5		
15	QPSK	1	0	23.12	22.87	23.11	23.40	23.53	24.5	0
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.50		
15	QPSK	1	74	22.86	22.86	23.01	23.45	23.58	23.5	1
15	QPSK	36	0	22.06	21.97	22.11	22.28	22.40		
15	QPSK	36	20	21.90	21.85	22.06	22.30	22.40	23.5	1
15	QPSK	36	39	21.90	21.80	22.11	22.31	22.31		
15	QPSK	75	0	21.99	21.95	22.05	22.21	22.38	23.5	1
15	16QAM	1	0	22.01	21.97	22.06	22.16	22.38		
15	16QAM	1	37	22.00	22.04	22.09	22.26	22.35	22.5	2
15	16QAM	1	74	21.96	21.98	22.14	22.30	22.28		
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26	22.5	2
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.37		
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	21.5	3
15	16QAM	36	50	20.93	20.93	21.09	21.22	21.38		
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06	22.5	2
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08		
15	64QAM	1	74	20.55	20.68	20.88	21.05	20.94	21.5	3
15	64QAM	36	0	19.83	19.79	20.06	20.26	20.42		
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41	21.5	3
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31		
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41		
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2636	2680		
10	QPSK	1	0	23.07	22.90	23.22	23.38	23.42	24.5	0
10	QPSK	1	25	22.97	22.82	23.16	23.38	23.41		
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.43	23.5	1
10	QPSK	25	0	22.10	22.01	22.17	22.41	22.42		
10	QPSK	25	12	21.94	21.87	22.01	22.29	22.39	23.5	1
10	QPSK	25	25	21.84	21.81	22.10	22.32	22.31		
10	QPSK	50	0	22.05	21.93	22.11	22.15	22.39	23.5	1
10	16QAM	1	0	22.06	21.89	22.08	22.13	22.32		
10	16QAM	1	25	21.91	21.94	22.11	22.23	22.39	23.5	1
10	16QAM	1	49	21.89	21.94	22.09	22.24	22.34		
10	16QAM	25	0	20.98	20.89	20.96	21.30	21.39	22.5	2
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28		
10	16QAM	25	25	20.86	20.91	21.17	21.33	21.34	22.5	2
10	16QAM	50	0	20.88	20.86	20.98	21.18	21.39		
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02	22.5	2
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03		
10	64QAM	1	49	20.50	20.58	20.94	21.13	21.04	21.5	3
10	64QAM	25	0	19.92	19.80	20.08	20.29	20.32		
10	64QAM	25	12	19.93	19.93	20.07	20.21	20.36	21.5	3
10	64QAM	25	25	19.98	19.93	20.12	20.26	20.40		
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38		
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	23.11	22.85	23.11	23.47	23.43	24.5	0
5	QPSK	1	12	23.03	22.94	23.10	23.26	23.43		
5	QPSK	1	24	22.93	22.77	23.03	23.43	23.42	23.5	1
5	QPSK	12	0	22.01	21.86	22.21	22.35	22.38		
5	QPSK	12	7	21.86	21.86	22.12	22.28	22.30	23.5	1
5	QPSK	12	13	21.89	21.86	22.13	22.31	22.39		
5	QPSK	25	0	22.01	21.89	21.97	22.23	22.30	23.5	1
5	16QAM	1	0	21.99	21.92	21.98	22.27	22.42		
5	16QAM	1	12	21.91	21.90	22.09	22.25	22.35	23.5	1
5	16QAM	1	24	21.90	21.97	22.12	22.27	22.28		
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.39	22.5	2
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29		
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	21.5	3
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47		
5	64QAM	1	0	20.70	20.60	20.76	20.90	20.97	22.5	2
5	64QAM	1	12	20.62	20.55	20.71	21.11	21.11		
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98		
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29	21.5	3
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34		
5	64QAM	12	13	19.92	19.92	20.06	20.27	20.36		
5	64QAM	25	0	19.93	19.86	20.19	20.22	20.38		

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5																			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)										
Channel										Channel										Channel																			
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)																			
20	QPSK	1	0	22.51	22.48	22.43	22.50	23	0	20	QPSK	1	0	22.58	22.40	22.52	22.55	23	0	20	QPSK	1	0	21.50	21.45	21.39	21.48	22	0	20	QPSK	1	0	21.50	21.45	21.39	21.48		
20	QPSK	1	49	22.49	22.37	22.41	22.41			20	QPSK	1	49	22.49	22.39	22.50	22.32			20	QPSK	1	49	21.40	21.43	21.24	21.39			22	0	20	QPSK	1	49	21.40	21.43	21.24	21.39
20	QPSK	1	99	22.41	22.41	22.37	22.46			20	QPSK	1	99	22.51	22.38	22.50	22.30			20	QPSK	1	99	21.42	21.39	21.28	21.44			20	QPSK	1	99	21.42	21.39	21.28	21.44		
20	QPSK	50	0	21.56	21.55	21.50	21.48			20	QPSK	50	0	21.57	21.42	21.55	21.43			20	QPSK	50	0	21.47	21.43	21.38	21.45			20	QPSK	50	0	21.47	21.43	21.38	21.45		
20	QPSK	50	24	21.46	21.51	21.50	21.35	22	1	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.32	21.39	22	0	20	QPSK	50	24	21.34	21.38	21.32	21.39		
20	QPSK	50	50	21.43	21.51	21.44	21.46			20	QPSK	50	50	21.46	21.37	21.42	21.27			20	QPSK	50	50	21.31	21.32	21.32	21.33			20	QPSK	50	50	21.31	21.32	21.32	21.33		
20	QPSK	100	0	21.56	21.42	21.50	21.48			20	QPSK	100	0	21.55	21.31	21.44	21.38			20	QPSK	100	0	21.46	21.44	21.31	21.41			20	QPSK	100	0	21.46	21.44	21.31	21.41		
20	16QAM	1	0	21.49	21.58	21.57	21.57			20	16QAM	1	0	21.53	21.32	21.47	21.29			20	16QAM	1	0	21.45	21.42	21.24	21.41			20	16QAM	1	0	21.45	21.42	21.24	21.41		
20	16QAM	1	49	21.44	21.54	21.46	21.48	22	1	20	16QAM	1	49	21.45	21.39	21.44	21.31	22	1	20	16QAM	1	49	21.42	21.35	21.30	21.31	22	0	20	16QAM	1	49	21.42	21.35	21.30	21.31		
20	16QAM	1	99	21.49	21.48	21.51	21.48			20	16QAM	1	99	21.50	21.28	21.44	21.38			20	16QAM	1	99	21.41	21.35	21.32	21.40			20	16QAM	1	99	21.41	21.35	21.32	21.40		
20	16QAM	50	0	20.47	20.56	20.59	20.50			20	16QAM	50	0	20.65	20.38	20.53	20.43			20	16QAM	50	0	20.29	20.37	20.33	20.48			20	16QAM	50	0	20.29	20.37	20.33	20.48		
20	16QAM	50	24	20.37	20.51	20.57	20.40			20	16QAM	50	24	20.44	20.33	20.44	20.34			20	16QAM	50	24	20.29	20.44	20.35	20.46			20	16QAM	50	24	20.29	20.44	20.35	20.46		
20	16QAM	100	0	20.37	20.55	20.46	20.35	21	2	20	16QAM	100	0	20.41	20.30	20.42	20.41	21	2	20	16QAM	100	0	20.25	20.39	20.32	20.48	21	1	20	16QAM	100	0	20.25	20.39	20.32	20.48		
20	64QAM	1	0	20.11	20.10	20.22	20.09			20	64QAM	1	0	20.54	20.27	20.45	20.39			20	64QAM	1	0	19.92	19.96	19.95	20.07			20	64QAM	1	0	19.92	19.96	19.95	20.07		
20	64QAM	1	49	20.36	20.51	20.52	20.39			20	64QAM	1	49	20.48	20.29	20.50	20.31			20	64QAM	1	49	19.88	19.88	19.97	20.11			21	1	20	64QAM	1	49	19.88	19.88	19.97	20.11
20	64QAM	1	99	20.34	20.54	20.47	20.40			20	64QAM	1	99	20.48	20.35	20.52	20.42			20	64QAM	1	99	19.88	19.88	19.89	20.05			20	64QAM	1	99	19.88	19.88	19.89	20.05		
20	64QAM	50	0	19.42	19.52	19.56	19.48	20	3	20	64QAM	50	0	19.60	19.41	19.59	19.45	20	3	20	64QAM	50	0	19.32	19.38	19.35	19.46	20	2	20	64QAM	50	0	19.32	19.38	19.35	19.46		
20	64QAM	50	24	19.37	19.51	19.42	19.33			20	64QAM	50	24	19.59	19.41	19.49	19.30			20	64QAM	50	24	19.28	19.44	19.35	19.51			20	64QAM	50	24	19.28	19.44	19.35	19.51		
20	64QAM	50	50	19.35	19.41	19.51	19.40			20	64QAM	50	50	19.63	19.32	19.51	19.38			20	64QAM	50	50	19.17	19.43	19.31	19.53			20	64QAM	50	50	19.17	19.43	19.31	19.53		
20	64QAM	100	0	19.34	19.50	19.42	19.39			20	64QAM	100	0	19.54	19.40	19.45	19.31			20	64QAM	100	0	19.22	19.39	19.37	19.49			20	64QAM	100	0	19.22	19.39	19.37	19.49		
Channel										Channel										Channel																			
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)																			
15	QPSK	1	0	22.48	22.35	22.35	22.38	23	0	15	QPSK	1	0	22.48	22.19	22.45	22.43	23	0	15	QPSK	1	0	21.36	21.41	21.27	21.43	22	0	15	QPSK	1	0	21.36	21.41	21.27	21.43		
15	QPSK	1	37	22.43	22.18	22.26	22.27			15	QPSK	1	37	22.38	22.12	22.48	22.28			15	QPSK	1	37	21.31	21.34	21.16	21.38			22	0	15	QPSK	1	37	21.31	21.34	21.16	21.38
15	QPSK	1	74	22.32	22.28	22.23	22.33			15	QPSK	1	74	22.45	22.09	22.47	22.19			15	QPSK	1	74	21.27	21.37	21.27	21.40			20	QPSK	1	74	21.27	21.37	21.27	21.40		
15	QPSK	36	20	21.34	21.37	21.31	21.35			15	QPSK	36	20	21.46	21.22	21.42	21.38			15	QPSK	36	20	21.23	21.27	21.26	21.33			20	QPSK	36	20	21.23	21.27	21.26	21.33		
15	QPSK	36	20	21.34	21.34	21.31	21.38	22	1	15	QPSK	36	20	21.36	20.99	21.39	21.29	22	1	15	QPSK	36	20	21.22	21.20	21.09	21.24	22	0	15	QPSK	36	20	21.22	21.20	21.09	21.24		
15	QPSK	36	39	21.33	21.31	21.27	21.37			15	QPSK	36	39	21.45	21.13	21.27	21.21			15	QPSK	36	39	21.12	21.20	21.18	21.19			20	QPSK	36	39	21.12	21.20	21.18	21.19		
15	QPSK	75	0	21.36	21.35	21.41	21.41			15	QPSK	75	0	21.47	21.05	21.36	21.31			15	QPSK	75	0	21.32	21.39	21.17	21.31			20	QPSK	75	0	21.32	21.39	21.17	21.31		
15	16QAM	1	0	21.43	21.39	21.38	21.44			15	16QAM	1	0	21.58	21.11	21.38	21.34			15	16QAM	1	0	21.34	21.37	21.23	21.36			20	16QAM	1	0	21.34	21.37	21.23	21.36		
15	16QAM	1	21	21.34	21.28	21.33	21.33	22	1	15	16QAM	1	21	21.42	21.19	21.39	21.31	22	1	15	16QAM	1	21	21.32	21.24	21.22	21.26	22	0	15	16QAM	1	21	21.32	21.24	21.22	21.26		
15	16QAM	1	74	21.34	21.31	21.41	21.41			15	16QAM	1	74	21.43	21.10	21.29	21.29			15	16QAM	1	74	21.29	21.26	21.21	21.25			20	16QAM	1	74	21.29	21.26	21.21	21.25		
15	16QAM	36	0	20.42	20.43	20.42	20.45			15	16QAM	36	0	20.54	20.17	20.50	20.42			15	16QAM	36	0	20.14	20.20	20.21	20.26			20	16QAM	36	0	20.14	20.20	20.21	20.26		
15	16QAM	36	20	20.16	20.44	20.48	20.32			15	16QAM	36	20	20.30	20.10	20.37	20.30			15	16QAM	36	20	20.06	20.24	20.16	20.32			20	16QAM	36	20	20.06	20.24	20.16	20.32		
15	16QAM	36	20	20.16	20.44	20.48	20.32	21	2	15	16QAM	36	20	20.20	20.20	20.30	20.17	21	2	15	16QAM	36	20	20.15	20.25	20.17	20.27	21	1	15	16QAM	36	20	20.15	20.25	20.17	20.27		
15	16QAM	75	0	20.20	20.38	20.47	20.29			15	16QAM	75	0	20.32	20.14	20.39	20.27			15	16QAM	75	0	20.09	20.16	20.22	20.32			20	16QAM	75	0	20.09	20.16	20.22	20.32		
15	64QAM	1	0	19.93	19.97	20.02	19.99			15	64QAM	1	0	20.50	20.01	20.35	20.26			15	64QAM	1	0	19.79	19.74	19.81	20.08			20	64QAM	1	0	19.79	19.74	19.81	20.08		
15	64QAM	1	37	20.20	20.33	20.38	20.29			15	64QAM	1	37	20.35	20.07	20.44	20.30			15	64QAM	1	37	19.74	19.83	19.82	19.93			21	1	15	64QAM	1	37	19.74	19.83	19.82	19.93
15	64QAM	1	74	20.20	20.33	20.38	20.29	21	2	15	64QAM	1	74	20.35	20.16	20.41	20.35	21	2	15	64QAM	1	74	19.80	19.84	19.86	19.98	21	1	15	64QAM	1	74	19.80	19.84	19.86	19.98		
15	64QAM	36	0	19.27	19.47	19.46	19.42			15	64QAM	36	0	19.55	19.19	19.48	19.31			15	64QAM	36	0	19.11	19.19	19.30	19.41			20	64QAM	36	0	19.11	19.19	19.30	19.41		
15	64QAM	36	20	19.26	19.41	19.24	19.23			15	64QAM	36	20	19.45	19.17	19.45	19.25			15	64QAM	36	20	19.17	19.23	19.15	19.34			20	64QAM	36	20	19.17	19.23	19.15	19.34		
15	64QAM	36	39	19.15	19.36	19.33	19.32			15	64QAM	36	39	19.48	19.05	19.36	19.28			15	64QAM	36	39	18.92	19.18	19.07	19.35			20	64QAM	36	39	18.92	19.18	19.07	19.35		
15	64QAM	75	0	19.43	19.43	19.35	19.42	20																															

Part 96_Band 48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	22.88	22.68	22.78	22.73	23.5	0	
20	QPSK	1	49	22.70	22.63	22.75	22.63			
20	QPSK	1	99	22.80	22.57	22.72	22.68			
20	QPSK	50	0	22.85	22.64	22.73	22.72			
20	QPSK	50	24	22.77	22.49	22.81	22.66	23.5	0	
20	QPSK	50	50	22.79	22.80	22.87	22.80			
20	QPSK	100	0	22.83	22.59	22.59	22.67			
20	16QAM	1	0	22.74	22.57	22.58	22.62			
20	16QAM	1	49	22.81	22.51	22.71	22.68	23.5	0	
20	16QAM	1	99	22.72	22.56	22.64	22.64			
20	16QAM	50	0	21.78	21.53	21.67	21.65			
20	16QAM	50	24	21.67	21.41	21.56	21.61			
20	16QAM	50	50	21.73	21.50	21.57	21.53	22.5	1	
20	16QAM	100	0	21.76	21.38	21.55	21.63			
20	64QAM	1	0	21.75	21.41	21.57	21.52			
20	64QAM	1	49	21.64	21.47	21.52	21.64			
20	64QAM	1	99	21.72	21.45	21.52	21.60	22.5	1	
20	64QAM	50	0	20.83	20.59	20.70	20.69			
20	64QAM	50	24	20.81	20.46	20.63	20.63			
20	64QAM	50	50	20.71	20.47	20.57	20.57			
20	64QAM	100	0	20.76	20.48	20.57	20.65	Tune-up limit (dBm)	MPR (dB)	
Channel				55315	55800	56160	56650			
Frequency (MHz)				3567.5	3608	3652	3692.5			
15	QPSK	1	0	22.84	22.55	22.70	22.63	23.5	0	
15	QPSK	1	37	22.58	22.55	22.73	22.56			
15	QPSK	1	74	22.70	22.49	22.71	22.63			
15	QPSK	36	0	22.78	22.63	22.70	22.70			
15	QPSK	36	20	22.84	22.40	22.57	22.52	23.5	0	
15	QPSK	36	39	22.71	22.50	22.56	22.50			
15	QPSK	75	0	22.80	22.54	22.50	22.57			
15	16QAM	1	0	22.67	22.53	22.45	22.58			
15	16QAM	1	37	22.78	22.56	22.69	22.54	23.5	0	
15	16QAM	1	74	22.69	22.44	22.52	22.57			
15	16QAM	36	0	21.68	21.41	21.66	21.64			
15	16QAM	36	20	21.55	21.29	21.55	21.59			
15	16QAM	36	39	21.65	21.46	21.47	21.46	22.5	1	
15	16QAM	75	0	21.71	21.37	21.44	21.49			
15	64QAM	1	0	21.64	21.27	21.44	21.43			
15	64QAM	1	37	21.51	21.33	21.50	21.63			
15	64QAM	1	74	21.65	21.41	21.42	21.58	22.5	1	
15	64QAM	36	0	20.76	20.47	20.56	20.68			
15	64QAM	36	20	20.76	20.31	20.61	20.59			
15	64QAM	36	39	20.65	20.41	20.44	20.56			
15	64QAM	75	0	20.68	20.45	20.47	20.58	Tune-up limit (dBm)	MPR (dB)	
Channel				55355	55815	56425	56955			
Frequency (MHz)				3565	3607.5	3642.5	3695			
10	QPSK	1	0	22.78	22.65	22.76	22.72	23.5	0	
10	QPSK	1	25	22.58	22.54	22.70	22.49			
10	QPSK	1	49	22.70	22.48	22.71	22.54			
10	QPSK	25	0	22.74	22.61	22.58	22.62			
10	QPSK	25	12	22.65	22.43	22.54	22.52	23.5	0	
10	QPSK	25	25	22.73	22.54	22.63	22.48			
10	QPSK	50	0	22.80	22.48	22.47	22.60			
10	16QAM	1	0	22.66	22.42	22.56	22.51			
10	16QAM	1	25	22.65	22.47	22.57	22.54	23.5	0	
10	16QAM	1	49	22.80	22.55	22.57	22.61			
10	16QAM	25	0	21.74	21.42	21.57	21.50			
10	16QAM	25	12	21.57	21.27	21.46	21.55			
10	16QAM	25	25	21.64	21.41	21.52	21.45	22.5	1	
10	16QAM	50	0	21.72	21.31	21.49	21.53			
10	64QAM	1	0	21.67	21.31	21.47	21.40			
10	64QAM	1	25	21.49	21.40	21.39	21.63			
10	64QAM	1	49	21.69	21.38	21.47	21.59	21.5	2	
10	64QAM	25	0	20.80	20.44	20.59	20.57			
10	64QAM	25	12	20.72	20.42	20.51	20.48			
10	64QAM	25	25	20.62	20.42	20.46	20.42			
10	64QAM	50	0	20.68	20.34	20.47	20.52	Tune-up limit (dBm)	MPR (dB)	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	22.78	22.62	22.85	22.66	23.5	0	
5	QPSK	1	12	22.88	22.49	22.69	22.48			
5	QPSK	1	24	22.75	22.51	22.66	22.53			
5	QPSK	12	0	22.73	22.59	22.69	22.64			
5	QPSK	12	7	22.65	22.38	22.58	22.64	23.5	0	
5	QPSK	12	13	22.86	22.58	22.52	22.59			
5	QPSK	25	0	22.77	22.47	22.50	22.61			
5	16QAM	1	0	22.65	22.54	22.43	22.60			
5	16QAM	1	12	22.71	22.39	22.62	22.63	23.5	0	
5	16QAM	1	24	22.56	22.42	22.55	22.52			
5	16QAM	12	0	21.69	21.41	21.57	21.63			
5	16QAM	12	7	21.62	21.34	21.43	21.54			
5	16QAM	12	13	21.70	21.48	21.45	21.40	22.5	1	
5	16QAM	25	0	21.69	21.32	21.53	21.58			
5	64QAM	1	0	21.65	21.26	21.52	21.48			
5	64QAM	1	12	21.54	21.42	21.40	21.52			
5	64QAM	1	24	21.63	21.30	21.41	21.51	21.5	2	
5	64QAM	12	0	20.76	20.52	20.62	20.59			
5	64QAM	12	7	20.68	20.37	20.58	20.50			
5	64QAM	12	13	20.59	20.33	20.53	20.43			
5	64QAM	25	0	20.72	20.43	20.46	20.52			

Reduced Power Mode for ECI18

GSM850_Ant 0		Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49	24.50
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46	24.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	25.50
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	19.50
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.36	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.26	29.58	29.51	30.50	20.26	20.58	20.51	21.50
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	22.50
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	19.00
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8		
GSM 1 Tx slot		29.43	29.69	29.82	30.50	20.43	20.69	20.82	21.50	
GPRS 1 Tx slot		29.40	29.67	29.74	30.50	20.40	20.67	20.74	21.50	
GPRS 2 Tx slots		27.49	27.87	27.93	28.50	21.49	21.87	21.93	22.50	
GPRS 3 Tx slots		26.26	26.57	26.72	27.50	22.00	22.31	22.46	23.24	
GPRS 4 Tx slots		24.94	25.06	25.37	26.50	21.94	22.06	22.37	23.50	
EDGE 1 Tx slot		25.88	25.84	25.88	27.00	16.88	16.84	16.88	18.00	
EDGE 2 Tx slots		24.58	24.52	24.66	26.00	18.58	18.52	18.66	20.00	
EDGE 3 Tx slots		22.35	22.78	22.28	23.50	18.09	18.52	18.02	19.00	
EDGE 4 Tx slots		20.72	20.71	20.89	22.00	17.72	17.71	17.89	20.00	

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.96	24.03	24.00	25.00	23.82	23.85	23.79	25.00
3GPP Rel 99	RMC 12.2Kbps	24.02	24.08	24.05	25.00	23.87	23.93	23.84	25.00
3GPP Rel 6	HSDPA Subtest-1	23.18	23.25	23.22	24.00	23.08	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.23	23.20	24.00	23.01	23.13	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.72	22.70	23.50	22.60	22.69	22.64	23.50
3GPP Rel 6	HSDPA Subtest-4	22.69	22.73	22.68	23.50	22.53	22.62	22.57	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.09	23.19	23.15	24.00	22.96	23.07	23.01	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.12	23.08	23.10	24.00	22.87	23.04	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.57	22.65	23.50	22.55	22.55	22.62	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.54	22.54	22.66	23.50	22.51	22.46	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	21.17	21.23	21.20	22.00	21.07	21.15	21.19	22.00
3GPP Rel 6	HSUPA Subtest-2	21.20	21.25	21.21	22.00	21.11	21.21	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.23	22.26	22.22	23.00	22.09	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.77	20.71	22.00	20.57	20.69	20.68	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.28	22.20	24.00	22.10	22.20	22.20	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.09	21.15	21.22	22.50	21.19	21.26	21.23	22.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.39	21.33	21.34	22.50	23.78	23.81	23.74	25.00
3GPP Rel 99	RMC 12.2Kbps	21.44	21.46	21.47	22.50	23.83	23.86	23.78	25.00
3GPP Rel 6	HSDPA Subtest-1	20.58	20.74	20.67	21.50	22.96	23.07	23.09	24.00
3GPP Rel 6	HSDPA Subtest-2	20.61	20.70	20.77	21.50	22.93	23.05	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	20.10	20.20	20.28	21.00	22.44	22.59	22.60	23.50
3GPP Rel 6	HSDPA Subtest-4	20.05	20.17	20.20	21.00	22.45	22.55	22.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.37	20.62	20.68	21.50	22.89	22.93	23.02	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.55	20.57	20.56	21.50	22.89	23.02	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.96	20.11	20.09	21.00	22.36	22.51	22.58	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.90	20.07	19.97	21.00	22.30	22.46	22.49	23.50
3GPP Rel 6	HSUPA Subtest-1	18.67	18.71	18.76	19.50	20.93	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-2	18.65	18.67	18.79	19.50	20.98	21.09	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	19.75	19.77	19.67	20.50	22.00	22.09	22.12	23.00
3GPP Rel 6	HSUPA Subtest-4	18.20	18.28	18.31	19.50	20.40	20.62	20.65	22.00
3GPP Rel 6	HSUPA Subtest-5	19.55	19.72	19.76	21.50	22.00	22.10	22.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.62	18.60	18.72	20.00	21.11	21.19	21.08	22.50

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tuneup Limit (dbm)
	Tx Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		32.05	32.26	32.11	33.00	33.05	33.26	33.11	24.00	
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	33.01	33.21	33.05	23.00	
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00	
GPRS 3 Tx slots		27.86	28.04	27.92	29.00	23.60	23.78	23.66	24.74	
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00	
EDGE 1 Tx slot		26.82	26.77	26.77	27.50	17.82	17.77	17.77	18.50	
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.25	
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.24	
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50	

GSM1900_Ant 2		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		29.66	29.79	29.74	30.50	20.66	20.79	20.74	21.50
GPRS 1 Tx slot		29.66	29.77	29.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	19.24
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	19.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.07	20.10	20.05	21.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMC 12.2Kbps	20.12	20.14	20.08	21.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	19.04	19.05	19.10	20.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	18.99	19.09	19.10	20.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	18.53	18.63	18.61	19.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	18.54	18.64	18.64	19.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.91	18.98	19.05	20.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.97	19.08	18.96	20.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.52	18.49	18.53	19.50	22.56	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.44	18.55	18.48	19.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	17.07	17.17	17.16	18.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	17.09	17.19	17.15	18.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	18.10	18.18	18.16	19.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	16.80	16.74	16.71	18.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	18.10	18.20	18.20	20.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.10	17.20	17.15	18.50	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	23.41	23.43	23.38	24.5	0		
20	QPSK	1	49	23.38	23.40	23.37				
20	QPSK	1	99	23.29	23.32	23.31				
20	QPSK	50	0	22.37	22.40	22.36	23.5	1		
20	QPSK	50	24	22.32	22.35	22.34				
20	QPSK	50	50	22.34	22.37	22.33				
20	QPSK	100	0	22.36	22.37	22.35	23.5	1		
20	16QAM	1	0	22.71	22.57	22.63				
20	16QAM	1	49	22.70	22.57	22.64				
20	16QAM	1	99	22.59	22.52	22.51	23.5	1		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	2		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	22.5	2		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	21.5	3		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18800	1902.5				
15	QPSK	1	0	23.28	23.26	23.23	24.5	0		
15	QPSK	1	37	23.41	23.33	23.25				
15	QPSK	1	74	23.22	23.17	23.17				
15	QPSK	36	0	22.33	22.29	22.35	23.5	1		
15	QPSK	36	20	22.24	22.19	22.22				
15	QPSK	36	39	22.30	22.24	22.23				
15	QPSK	75	0	22.34	22.32	22.23	23.5	1		
15	16QAM	1	0	22.42	22.58	22.50				
15	16QAM	1	37	22.52	22.62	22.56				
15	16QAM	1	74	22.49	22.58	22.39	22.5	2		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	2		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	2		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	3		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	18800	1905				
10	QPSK	1	0	23.29	23.33	23.32	24.5	0		
10	QPSK	1	25	23.35	23.33	23.35				
10	QPSK	1	49	23.29	23.25	23.17				
10	QPSK	25	0	22.36	22.23	22.25	23.5	1		
10	QPSK	25	12	22.29	22.17	22.19				
10	QPSK	25	25	22.29	22.30	22.26				
10	QPSK	50	0	22.27	22.24	22.28	23.5	1		
10	16QAM	1	0	22.54	22.57	22.51				
10	16QAM	1	25	22.53	22.66	22.51				
10	16QAM	1	49	22.48	22.45	22.36	22.5	2		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	2		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.41	21.56	21.37				
10	64QAM	1	25	21.49	21.45	21.47	22.5	2		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21	21.5	3		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	18800	1907.5				
5	QPSK	1	0	23.23	23.33	23.27	24.5	0		
5	QPSK	1	12	23.42	23.39	23.22				
5	QPSK	1	24	23.28	23.21	23.38				
5	QPSK	12	0	22.39	22.25	22.21	23.5	1		
5	QPSK	12	7	22.25	22.19	22.25				
5	QPSK	12	13	22.26	22.22	22.23				
5	QPSK	25	0	22.30	22.33	22.33	23.5	1		
5	16QAM	1	0	22.47	22.62	22.61				
5	16QAM	1	12	22.44	22.56	22.50				
5	16QAM	1	24	22.47	22.53	22.47	23.5	1		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	2		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	2		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	3		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	18800	1908.5				
3	QPSK	1	0	23.35	23.30	23.25	24.5	0		
3	QPSK	1	8	23.29	23.37	23.28				
3	QPSK	1	14	23.27	23.14	23.19				
3	QPSK	8	0	22.28	22.29	22.34	23.5	1		
3	QPSK	8	4	22.27	22.21	22.28				
3	QPSK	8	7	22.25	22.22	22.26				
3	QPSK	15	0	22.22	22.22	22.22	23.5	1		
3	16QAM	1	0	22.51	22.62	22.49				
3	16QAM	1	8	22.49	22.64	22.61				
3	16QAM	1	14	22.45	22.58	22.50	22.5	2		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	2		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	22.5	2		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	21.5	3		
3	64QAM	8	7	20.36	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	1909.3				
1.4	QPSK	1	0	23.36	23.32	23.28	24.5	0		
1.4	QPSK	1	3	23.29	23.36	23.28				
1.4	QPSK	1	3	23.19	23.16	23.18				
1.4	QPSK	3	0	22.26	22.39	22.36	23.5	1		
1.4	QPSK	3	1	23.40	23.26	23.22				
1.4	QPSK	3	3	23.18	23.20	23.20				
1.4	QPSK	6	0	22.22	22.26	22.25	23.5	1		
1.4	16QAM	1	0	22.46	22.70	22.54				
1.4	16QAM	1	3	22.43	22.65	22.59				
1.4	16QAM	1	6	22.42	22.48	22.38	23.5	1		
1.4	16QAM	3	0	22.52	22.57	22.52				
1.4	16QAM	3	1	22.51	22.68	22.52				
1.4	16QAM	3	3	22.47	22.58	22.49	22.5	2		
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44				
1.4	64QAM	1	5	21.47	21.32	21.44	22.5	2		
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	1	21.56	21.48	21.45				
1.4	64QAM	3	3	21.46	21.32	21.39	21.5	3		
1.4	64QAM	6	0	20.35	20.31	20.30				

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel							20050	20175	20300	
Frequency (MHz)							1720	1732.5	1745	
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.20				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.29	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.22	22.26	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.20	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	22.5	2		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.21	20.19	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel							20025	20175	20325	
Frequency (MHz)							1717.5	1732.5	1747.5	
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	23.5	1		
15	16QAM	36	0	21.22	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07				
15	64QAM	36	20	20.26	20.20	20.26	21.5	3		
15	64QAM	36	39	20.11	20.05	20.21				
15	64QAM	75	0	20.20	20.08	20.20				
Channel							20000	20175	20350	
Frequency (MHz)							1715	1732.5	1750	
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.11	22.10				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	22.5	2		
10	16QAM	25	0	21.18	21.19	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.07	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.21	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel							19975	20175	20375	
Frequency (MHz)							1712.5	1732.5	1752.5	
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.24				
5	QPSK	1	24	23.06	23.18	23.24				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.21				
5	QPSK	12	13	22.18	22.15	22.24				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.10	20.14	21.5	3		
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.11	20.11	20.23				
Channel							19965	20175	20385	
Frequency (MHz)							1711.5	1732.5	1753.5	
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.97	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.18	22.12				
3	QPSK	8	7	22.19	22.18	22.12				
3	QPSK	15	0	22.09	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.46	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.06	21.12				
3	64QAM	1	0	21.30	21.43	21.29				
3	64QAM	1	8	21.36	21.29	21.40	22.5	2		
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.18	20.15	20.13				
3	64QAM	8	4	20.12	20.13	20.13	21.5	3		
3	64QAM	8	7	20.07	20.04	20.18				
3	64QAM	15	0	20.08	20.08	20.10				
Channel							19957	20175	20393	
Frequency (MHz)							1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	6	23.18	23.12	23.19				
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1		
1.4	QPSK	3	1	23.07	23.24	23.19				
1.4	QPSK	3	2	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1		
1.4	16QAM	1	0	22.40	22.38	22.36				
1.4	16QAM	1	3	22.48	22.39	22.38				
1.4	16QAM	1	6	22.40	22.35	22.45	23.5	1		
1.4	16QAM	3	0	22.38	22.30	22.43				
1.4	16QAM	3	1	22.51	22.40	22.47				
1.4	16QAM	3	2	22.43	22.30	22.46	22.5	2		
1.4	64QAM	1	0	21.33	21.38	21.36				
1.4	64QAM	1	3	21.29	21.37	21.41				
1.4	64QAM	1	5	21.16	21.13	21.36	22.5	2		
1.4	64QAM	3	0	21.22	21.43	21.26				
1.4	64QAM	3	1	21.40	21.28	21.30				
1.4	64QAM	3	2	21.21	21.17	21.35	21.5	3		
1.4	64QAM	6	0	20.16	20.11	20.22				

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.78	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74				
10	QPSK	25	12	22.63	22.67	22.72	24	1		
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73				
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02	24	1		
10	16QAM	1	49	22.71	23.00	22.97				
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95				
10	64QAM	1	49	21.84	21.98	21.81	23	2		
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69				
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74	22	3		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61				
5	QPSK	12	7	22.51	22.56	22.71	24	1		
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66				
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93	24	1		
5	16QAM	1	24	22.67	22.90	22.86				
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94				
5	64QAM	1	24	21.72	21.93	21.76	23	2		
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58				
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74	22	3		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71				
3	QPSK	8	4	22.62	22.59	22.69	24	1		
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64				
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97	24	1		
3	16QAM	1	14	22.68	22.88	22.91				
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.78	21.69	21.88				
3	64QAM	1	14	21.70	21.85	21.70	23	2		
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57				
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65	22	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85				
1.4	QPSK	3	1	23.63	23.68	23.45	24	1		
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65				
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00	24	1		
1.4	16QAM	1	5	22.66	22.86	22.84				
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92				
1.4	64QAM	1	5	21.80	21.92	21.80	23	2		
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70				
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77	22	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				

Band 5_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.63	23.66	23.64	25	0				
10	QPSK	1	25	23.49	23.44	23.50						
10	QPSK	1	49	23.47	23.61	23.57						
10	QPSK	25	0	22.59	22.63	22.55						
10	QPSK	25	12	22.54	22.49	22.50	24	1				
10	QPSK	25	25	22.55	22.56	22.47						
10	QPSK	50	0	22.56	22.60	22.52						
10	16QAM	1	0	22.85	23.05	22.80						
10	16QAM	1	25	22.80	22.81	23.01	24	1				
10	16QAM	1	49	22.88	22.87	22.93						
10	16QAM	25	0	21.57	21.47	21.60						
10	16QAM	25	12	21.62	21.42	21.64						
10	16QAM	25	25	21.61	21.48	21.62	23	2				
10	16QAM	50	0	21.61	21.46	21.61						
10	64QAM	1	0	21.75	21.87	21.80						
10	64QAM	1	25	21.76	21.60	21.66						
10	64QAM	1	49	21.62	21.68	21.64	23	2				
10	64QAM	25	0	20.50	20.50	20.61						
10	64QAM	25	12	20.49	20.48	20.48						
10	64QAM	25	25	20.52	20.58	20.52						
10	64QAM	50	0	20.51	20.51	20.61	22	3				
Channel				20425	20525	20625						
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.51	23.64	23.58			25	0		
5	QPSK	1	12	23.41	23.42	23.42						
5	QPSK	1	24	23.32	23.59	23.52						
5	QPSK	12	0	22.48	22.58	22.40						
5	QPSK	12	7	22.52	22.46	22.45	24	1				
5	QPSK	12	13	22.40	22.33	22.33						
5	QPSK	25	0	22.54	22.57	22.48						
5	16QAM	1	0	22.84	23.03	22.66						
5	16QAM	1	12	22.58	22.71	22.90	24	1				
5	16QAM	1	24	22.80	22.84	22.92						
5	16QAM	12	0	21.49	21.46	21.53						
5	16QAM	12	7	21.58	21.30	21.53						
5	16QAM	12	13	21.53	21.41	21.61	23	2				
5	16QAM	25	0	21.58	21.60	21.58						
5	64QAM	1	0	21.63	21.85	21.75						
5	64QAM	1	12	21.61	21.56	21.64						
5	64QAM	1	24	21.48	21.59	21.85	23	2				
5	64QAM	12	0	20.40	20.40	20.48						
5	64QAM	12	7	20.34	20.36	20.36						
5	64QAM	12	13	20.40	20.56	20.41						
5	64QAM	25	0	20.42	20.50	20.55	22	3				
Channel				20415	20525	20635						
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	23.54	23.64	23.61			25	0		
3	QPSK	1	8	23.35	23.41	23.40						
3	QPSK	1	14	23.41	23.43	23.48						
3	QPSK	8	0	22.53	22.61	22.42						
3	QPSK	8	4	22.43	22.44	22.40	24	1				
3	QPSK	8	7	22.41	22.52	22.40						
3	QPSK	15	0	22.54	22.56	22.44						
3	16QAM	1	0	22.80	22.93	22.73						
3	16QAM	1	8	22.70	22.78	22.89	24	1				
3	16QAM	1	14	22.77	22.83	22.83						
3	16QAM	8	0	21.53	21.37	21.46						
3	16QAM	8	4	21.57	21.39	21.53						
3	16QAM	8	7	21.53	21.37	21.56	23	2				
3	16QAM	15	0	21.59	21.31	21.47						
3	64QAM	1	0	21.63	21.78	21.79						
3	64QAM	1	8	21.65	21.53	21.55						
3	64QAM	1	14	21.55	21.61	21.88	23	2				
3	64QAM	8	0	20.49	20.41	20.60						
3	64QAM	8	4	20.36	20.44	20.36						
3	64QAM	8	7	20.47	20.39	20.40						
3	64QAM	15	0	20.43	20.42	20.48	22	3				
Channel				20407	20525	20643						
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.57	23.56	23.57			25	0		
1.4	QPSK	1	3	23.46	23.42	23.43						
1.4	QPSK	1	5	23.37	23.51	23.40						
1.4	QPSK	3	0	23.54	23.60	23.54						
1.4	QPSK	3	1	23.45	23.29	23.49	24	1				
1.4	QPSK	3	3	23.46	23.54	23.45						
1.4	QPSK	6	0	22.43	22.47	22.39						
1.4	16QAM	1	0	22.78	22.99	22.67						
1.4	16QAM	1	3	22.60	22.69	22.80	24	1				
1.4	16QAM	1	5	22.87	22.79	22.87						
1.4	16QAM	3	0	22.80	23.02	22.79						
1.4	16QAM	3	1	22.66	22.79	22.90						
1.4	16QAM	3	3	22.74	22.72	22.86	23	2				
1.4	16QAM	6	0	21.50	21.37	21.58						
1.4	64QAM	1	0	21.71	21.77	21.67						
1.4	64QAM	1	3	21.62	21.53	21.63						
1.4	64QAM	1	5	21.61	21.67	21.63	23	2				
1.4	64QAM	3	0	21.61	21.85	21.68						
1.4	64QAM	3	1	21.63	21.59	21.57						
1.4	64QAM	3	3	21.60	21.54	21.51						
1.4	64QAM	6	0	20.45	20.42	20.50	22	3				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	20.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.80	19.87	19.70			
20	QPSK	1	49	19.56	19.70	19.57			
20	QPSK	1	99	19.58	19.75	19.65	20.5	0	
20	QPSK	50	0	19.65	19.76	19.69			
20	QPSK	50	24	19.62	19.69	19.65			
20	QPSK	50	50	19.64	19.62	19.68			
20	QPSK	100	0	19.68	19.75	19.59	20.5	0	
20	16QAM	1	0	19.67	19.73	19.69			
20	16QAM	1	49	19.62	19.71	19.72			
20	16QAM	1	99	19.65	19.65	19.55			
20	16QAM	50	0	19.53	19.62	19.62	20.5	0	
20	16QAM	50	24	19.68	19.74	19.60			
20	16QAM	50	50	19.79	19.81	19.58			
20	16QAM	100	0	19.67	19.78	19.81			
20	64QAM	1	0	19.60	19.65	19.69	20.5	0	
20	64QAM	1	49	19.71	19.73	19.54			
20	64QAM	1	99	19.65	19.81	19.63			
20	64QAM	50	0	19.57	19.74	19.61			
20	64QAM	50	24	19.69	19.60	19.62	20.5	0	
20	64QAM	50	50	19.67	19.74	19.49			
20	64QAM	100	0	19.70	19.73	19.70			
Channel				20925	21100	21375	20.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.73	19.75	19.66			
15	QPSK	1	37	19.48	19.61	19.45			
15	QPSK	1	74	19.44	19.74	19.57	20.5	0	
15	QPSK	36	0	19.64	19.68	19.62			
15	QPSK	36	20	19.48	19.63	19.55			
15	QPSK	36	39	19.57	19.56	19.56			
15	QPSK	75	0	19.64	19.68	19.52	20.5	0	
15	16QAM	1	0	19.63	19.66	19.62			
15	16QAM	1	37	19.57	19.62	19.50			
15	16QAM	1	74	19.50	19.62	19.45			
15	16QAM	36	0	19.39	19.53	19.50	20.5	0	
15	16QAM	36	20	19.58	19.63	19.46			
15	16QAM	36	39	19.76	19.77	19.57			
15	16QAM	75	0	19.54	19.65	19.52			
15	64QAM	1	0	19.56	19.57	19.55	20.5	0	
15	64QAM	1	37	19.63	19.69	19.51			
15	64QAM	1	74	19.54	19.70	19.55			
15	64QAM	36	0	19.49	19.67	19.55			
15	64QAM	36	20	19.68	19.47	19.53	20.5	0	
15	64QAM	36	39	19.58	19.73	19.35			
15	64QAM	75	0	19.57	19.60	19.59			
Channel				20800	21100	21400	20.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.70	19.84	19.68			
10	QPSK	1	25	19.52	19.65	19.49			
10	QPSK	1	49	19.50	19.71	19.53	20.5	0	
10	QPSK	25	0	19.56	19.64	19.66			
10	QPSK	25	12	19.58	19.60	19.58			
10	QPSK	25	25	19.53	19.51	19.56			
10	QPSK	50	0	19.57	19.62	19.52	20.5	0	
10	16QAM	1	0	19.65	19.58	19.66			
10	16QAM	1	25	19.47	19.59	19.71			
10	16QAM	1	49	19.50	19.53	19.50			
10	16QAM	25	0	19.51	19.60	19.57	20.5	0	
10	16QAM	25	12	19.60	19.71	19.54			
10	16QAM	25	25	19.67	19.75	19.55			
10	16QAM	50	0	19.55	19.66	19.48			
10	64QAM	1	0	19.47	19.60	19.68	20.5	0	
10	64QAM	1	25	19.61	19.63	19.46			
10	64QAM	1	49	19.60	19.78	19.53			
10	64QAM	25	0	19.42	19.70	19.50			
10	64QAM	25	12	19.58	19.59	19.47	20.5	0	
10	64QAM	25	25	19.53	19.65	19.47			
10	64QAM	50	0	19.56	19.63	19.64			
Channel				20775	21100	21425	20.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.74	19.76	19.63			
5	QPSK	1	12	19.55	19.60	19.54			
5	QPSK	1	24	19.51	19.67	19.61	20.5	0	
5	QPSK	12	0	19.55	19.63	19.65			
5	QPSK	12	7	19.49	19.58	19.63			
5	QPSK	12	13	19.51	19.47	19.56			
5	QPSK	25	0	19.66	19.66	19.48	20.5	0	
5	16QAM	1	0	19.55	19.66	19.58			
5	16QAM	1	12	19.58	19.57	19.64			
5	16QAM	1	24	19.62	19.58	19.54			
5	16QAM	12	0	19.49	19.52	19.53	20.5	0	
5	16QAM	12	7	19.57	19.70	19.55			
5	16QAM	12	13	19.69	19.70	19.51			
5	16QAM	25	0	19.59	19.67	19.59			
5	64QAM	1	0	19.53	19.58	19.56	20.5	0	
5	64QAM	1	12	19.67	19.66	19.52			
5	64QAM	1	24	19.63	19.71	19.56			
5	64QAM	12	0	19.55	19.62	19.50			
5	64QAM	12	7	19.61	19.54	19.57	20.5	0	
5	64QAM	12	13	19.56	19.70	19.46			
5	64QAM	25	0	19.66	19.59	19.62			

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.53	23.67	23.55			
20	QPSK	1	49	23.49	23.65	23.50			
20	QPSK	1	99	23.41	23.53	23.51	23.5	1	
20	QPSK	50	0	22.52	22.60	22.51			
20	QPSK	50	24	22.40	22.56	22.39			
20	QPSK	50	50	22.51	22.52	22.47			
20	QPSK	100	0	22.48	22.52	22.43	23.5	1	
20	16QAM	1	0	22.65	22.90	22.70			
20	16QAM	1	49	22.69	22.66	22.70			
20	16QAM	1	99	22.76	22.69	22.80			
20	16QAM	50	0	21.51	21.47	21.46	22.5	2	
20	16QAM	50	24	21.50	21.51	21.42			
20	16QAM	50	50	21.59	21.44	21.46			
20	16QAM	100	0	21.51	21.47	21.44			
20	64QAM	1	0	21.75	21.76	21.68	22.5	2	
20	64QAM	1	49	21.79	21.61	21.71			
20	64QAM	1	99	21.70	21.52	21.65			
20	64QAM	50	0	20.53	20.51	20.43			
20	64QAM	50	24	20.48	20.51	20.45	21.5	3	
20	64QAM	50	50	20.58	20.51	20.41			
20	64QAM	100	0	20.54	20.51	20.41			
Channel				20855	21100	21375	24.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.51	23.66	23.43			
15	QPSK	1	37	23.37	23.63	23.45			
15	QPSK	1	74	23.33	23.44	23.49	23.5	1	
15	QPSK	36	0	22.50	22.46	22.50			
15	QPSK	36	20	22.43	22.48	22.32			
15	QPSK	36	39	22.44	22.42	22.36			
15	QPSK	75	0	22.39	22.44	22.36	23.5	1	
15	16QAM	1	0	22.62	22.78	22.66			

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38	23.5	1		
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51				
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47	23.5	1		
10	16QAM	1	0	22.95	22.63	22.99				
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.87	22.5	2		
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84				
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48	21.5	3		
10	64QAM	25	25	20.51	20.49	20.49				
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50	23.5	1		
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90	23.5	1		
5	16QAM	1	12	22.87	22.61	22.67				
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.30				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.88	21.74	22.5	2		
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48	21.5	3		
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5	0		
3	QPSK	1	0	23.58	23.63	23.68				
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48	23.5	1		
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96	23.5	1		
3	16QAM	1	8	22.91	22.65	22.68				
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30	22.5	2		
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.81	21.83	21.74	22.5	2		
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43	21.5	3		
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5	0		
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67	23.5	1		
1.4	QPSK	3	1	23.53	23.62	23.48				
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88	23.5	1		
1.4	16QAM	1	3	22.80	22.55	22.61				
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.93	22.59	22.63	22.5	2		
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67	22.5	2		
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73	21.5	3		
1.4	64QAM	6	0	20.52	20.45	20.44				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24.5	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.35	23.40	23.38	23.5	1		
10	QPSK	1	25	23.33	23.36	23.20				
10	QPSK	1	49	23.30	23.23	23.34				
10	QPSK	25	0	22.31	22.33	22.25				
10	QPSK	25	12	22.25	22.31	22.25	23.5	1		
10	QPSK	25	25	22.29	22.21	22.25				
10	QPSK	50	0	22.23	22.25	22.21				
10	16QAM	1	0	22.45	22.25	22.50				
10	16QAM	1	25	22.58	22.41	22.60	22.5	2		
10	16QAM	1	49	22.43	22.42	22.61				
10	16QAM	25	0	21.19	21.21	21.19				
10	16QAM	25	12	21.18	21.32	21.23				
10	16QAM	25	25	21.22	21.27	21.18	22.5	2		
10	16QAM	50	0	21.20	21.29	21.19				
10	64QAM	1	0	21.46	21.32	21.38				
10	64QAM	1	25	21.40	21.52	21.54				
10	64QAM	1	49	21.52	21.34	21.56	21.5	3		
10	64QAM	25	0	20.30	20.16	20.25				
10	64QAM	25	12	20.23	20.22	20.29				
10	64QAM	25	25	20.32	20.22	20.26				
10	64QAM	50	0	20.23	20.20	20.24	Channel			
Frequency (MHz)				23785	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5	24.5	0		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.33	23.35	23.23	23.5	1		
5	QPSK	1	12	23.33	23.36	23.09				
5	QPSK	1	24	23.36	23.30	23.24				
5	QPSK	12	0	22.26	22.18	22.22				
5	QPSK	12	7	22.16	22.27	22.18	23.5	1		
5	QPSK	12	13	22.16	22.18	22.22				
5	QPSK	25	0	22.17	22.23	22.12				
5	16QAM	1	0	22.39	22.17	22.48				
5	16QAM	1	12	22.57	22.40	22.52	23.5	1		
5	16QAM	1	24	22.41	22.30	22.46				
5	16QAM	12	0	21.12	21.14	21.07				
5	16QAM	12	7	21.12	21.19	21.11				
5	16QAM	12	13	21.11	21.15	21.09	22.5	2		
5	16QAM	25	0	21.14	21.24	21.12				
5	64QAM	1	0	21.45	21.20	21.35				
5	64QAM	1	12	21.29	21.40	21.44				
5	64QAM	1	24	21.44	21.27	21.56	22.5	2		
5	64QAM	12	0	20.17	20.17	20.09				
5	64QAM	12	7	20.21	20.10	20.23				
5	64QAM	12	13	20.23	20.19	20.24				
5	64QAM	25	0	20.17	20.06	20.13	21.5	3		

Band 26(FCC)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.82	23.92	23.85	23.5	1	
15	QPSK	1	37	23.72	23.88	23.82			
15	QPSK	1	74	23.77	23.89	23.79			
15	QPSK	36	0	22.77	22.88	22.82	22.5	2	
15	QPSK	36	20	22.71	22.86	22.78			
15	QPSK	36	39	22.74	22.82	22.75			
15	QPSK	75	0	22.71	22.84	22.80	21.5	3	
15	16QAM	1	0	22.99	23.05	23.11			
15	16QAM	1	37	22.80	23.08	22.90			
15	16QAM	1	74	23.00	23.02	23.10	22.5	2	
15	16QAM	36	0	21.65	21.78	21.86			
15	16QAM	36	20	21.76	21.83	21.94			
15	16QAM	36	39	21.76	21.86	21.83	22.5	2	
15	16QAM	75	0	21.75	21.87	21.91			
15	16QAM	1	0	21.90	22.11	22.08			
15	64QAM	1	37	22.08	21.94	22.05	21.5	3	
15	64QAM	1	74	22.13	22.15	22.06			
15	64QAM	36	0	20.77	20.77	20.90			
15	64QAM	36	20	20.74	20.82	20.87	22.5	2	
15	64QAM	36	39	20.82	20.84	20.90			
15	64QAM	75	0	20.73	20.84	20.88			
Channel				26740	26865	26960	24.5	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.75	23.83	23.77	23.5	1	
10	QPSK	1	25	23.64	23.84	23.68			
10	QPSK	1	49	23.63	23.83	23.69			
10	QPSK	25	0	22.68	22.76	22.75	22.5	2	
10	QPSK	25	12	22.68	22.78	22.65			
10	QPSK	25	25	22.73	22.79	22.73			
10	QPSK	50	0	22.59	22.80	22.68	21.5	3	
10	16QAM	1	0	22.95	23.03	23.10			
10	16QAM	1	25	22.70	23.03	22.76			
10	16QAM	1	49	22.90	23.01	23.05	22.5	2	
10	16QAM	25	0	21.52	21.67	21.75			
10	16QAM	25	12	21.69	21.69	21.87			
10	16QAM	25	25	21.65	21.71	21.71	21.5	3	
10	16QAM	50	0	21.74	21.73	21.88			
10	64QAM	1	0	21.89	22.04	22.00			
10	64QAM	1	25	21.98	21.92	21.97	22.5	2	
10	64QAM	1	49	22.00	22.05	22.05			
10	64QAM	25	0	20.70	20.82	20.80			
10	64QAM	25	12	20.61	20.70	20.84	21.5	3	
10	64QAM	25	25	20.71	20.79	20.85			
10	64QAM	50	0	20.65	20.77	20.74			
Channel				26715	26865	27015	24.5	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.71	23.90	23.77	23.5	1	
5	QPSK	1	12	23.70	23.86	23.81			
5	QPSK	1	24	23.75	23.81	23.66			
5	QPSK	12	0	22.63	22.78	22.72	22.5	2	
5	QPSK	12	7	22.61	22.68	22.66			
5	QPSK	12	13	22.71	22.68	22.71			
5	QPSK	25	0	22.61	22.82	22.78	21.5	3	
5	16QAM	1	0	22.96	22.95	23.05			
5	16QAM	1	12	22.69	22.99	22.75			
5	16QAM	1	24	22.91	22.92	23.06	22.5	2	
5	16QAM	12	0	21.60	21.64	21.80			
5	16QAM	12	7	21.67	21.68	21.89			
5	16QAM	12	13	21.71	21.85	21.76	21.5	3	
5	16QAM	25	0	21.66	21.76	21.89			
5	64QAM	1	0	21.76	22.00	22.05			
5	64QAM	1	12	22.04	21.81	21.94	22.5	2	
5	64QAM	1	24	22.05	22.09	22.04			
5	64QAM	12	0	20.67	20.72	20.85			
5	64QAM	12	7	20.73	20.79	20.78	21.5	3	
5	64QAM	12	13	20.74	20.78	20.80			
5	64QAM	25	0	20.72	20.83	20.80			
Channel				26705	26865	27025	24.5	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.72	23.84	23.79	23.5	1	
3	QPSK	1	8	23.61	23.82	23.72			
3	QPSK	1	14	23.70	23.88	23.73			
3	QPSK	8	0	22.75	22.85	22.71	22.5	2	
3	QPSK	8	4	22.63	22.76	22.75			
3	QPSK	8	7	22.59	22.69	22.68			
3	QPSK	15	0	22.70	22.80	22.76	21.5	3	
3	16QAM	1	0	22.85	23.03	23.09			
3	16QAM	1	8	22.67	22.96	22.85			
3	16QAM	1	14	22.88	22.88	22.71	22.5	2	
3	16QAM	8	0	21.50	21.63	21.79			
3	16QAM	8	4	21.69	21.68	21.93			
3	16QAM	8	7	21.66	21.73	21.76	21.5	3	
3	16QAM	15	0	21.63	21.73	21.78			
3	64QAM	1	0	21.82	21.98	21.99			
3	64QAM	1	8	21.98	21.84	21.95	22.5	2	
3	64QAM	1	14	22.00	22.08	22.00			
3	64QAM	8	0	20.62	20.62	20.78			
3	64QAM	8	4	20.61	20.81	20.78	21.5	3	
3	64QAM	8	7	20.71	20.74	20.80			
3	64QAM	15	0	20.72	20.73	20.84			
Channel				26697	26865	27033	24.5	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.73	23.80	23.77	23.5	1	
1.4	QPSK	1	3	23.59	23.79	23.73			
1.4	QPSK	1	5	23.65	23.74	23.75			
1.4	QPSK	3	0	23.72	23.77	23.75	22.5	2	
1.4	QPSK	3	1	23.63	23.78	23.72			
1.4	QPSK	3	3	23.63	23.82	23.77			
1.4	QPSK	6	0	22.64	22.70	22.76	21.5	3	
1.4	16QAM	1	0	22.87	23.02	23.03			
1.4	16QAM	1	3	22.65	22.94	22.88			
1.4	16QAM	1	5	22.99	22.89	22.97	22.5	2	
1.4	16QAM	3	0	22.95	22.94	23.10			
1.4	16QAM	3	1	22.98	23.03	22.79			
1.4	16QAM	3	3	22.94	22.93	22.97	21.5	3	
1.4	16QAM	6	0	21.71	21.76	21.81			
1.4	64QAM	1	0	21.81	21.97	22.04			
1.4	64QAM	1	3	22.00	21.87	22.00	22.5	2	
1.4	64QAM	1	5	22.01	22.08	22.01			
1.4	64QAM	3	0	21.89	22.07	21.98			
1.4	64QAM	3	1	21.94	21.87	21.93	21.5	3	
1.4	64QAM	3	3	22.10	22.09	21.97			
1.4	64QAM	6	0	20.68	20.73	20.80			

Band 26(FCC)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	23.5	1	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55	22.5	2	
15	QPSK	36	20	22.60	22.61	22.53			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.47	23.48	23.45	24.5	0	
20	QPSK	1	49	23.38	23.39	23.40			
20	QPSK	1	99	23.11	23.29	23.21			
20	QPSK	50	0	22.45	22.46	22.34	23.5	1	
20	QPSK	50	24	22.44	22.39	22.38			
20	QPSK	50	50	22.37	22.31	22.35			
20	QPSK	100	0	22.35	22.43	22.33	23.5	1	
20	16QAM	1	0	22.58	22.46	22.66			
20	16QAM	1	49	22.65	22.30	22.60			
20	16QAM	1	99	22.40	22.46	22.57	22.5	2	
20	16QAM	50	0	21.41	21.42	21.41			
20	16QAM	50	24	21.47	21.42	21.30			
20	16QAM	50	50	21.32	21.32	21.30	22.5	2	
20	16QAM	100	0	21.38	21.33	21.31			
20	64QAM	1	0	21.51	21.58	21.53			
20	64QAM	1	49	21.71	21.70	21.60	22.5	2	
20	64QAM	1	99	21.50	21.49	21.55			
20	64QAM	50	0	20.49	20.42	20.39			
20	64QAM	50	24	20.40	20.39	20.37	21.5	3	
20	64QAM	50	50	20.35	20.37	20.38			
20	64QAM	100	0	20.37	20.36	20.40			
Channel				132047	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.38	23.36	23.42	24.5	0	
15	QPSK	1	37	23.34	23.33	23.30			
15	QPSK	1	74	23.04	23.18	23.16			
15	QPSK	36	0	22.33	22.32	22.32	23.5	1	
15	QPSK	36	20	22.34	22.36	22.32			
15	QPSK	36	39	22.34	22.29	22.20			
15	QPSK	75	0	22.31	22.40	22.29	23.5	1	
15	16QAM	1	0	22.47	22.33	22.56			
15	16QAM	1	37	22.55	22.15	22.58			
15	16QAM	1	74	22.35	22.45	22.53	22.5	2	
15	16QAM	36	0	21.29	21.35	21.26			
15	16QAM	36	20	21.30	21.29	21.29			
15	16QAM	36	39	21.30	21.29	21.29	22.5	2	
15	16QAM	75	0	21.33	21.20	21.29			
15	64QAM	1	0	21.37	21.48	21.40			
15	64QAM	1	37	21.63	21.55	21.46	22.5	2	
15	64QAM	1	74	21.41	21.44	21.52			
15	64QAM	36	0	20.34	20.33	20.36			
15	64QAM	36	20	20.33	20.25	20.22	21.5	3	
15	64QAM	36	39	20.23	20.30	20.27			
15	64QAM	75	0	20.32	20.25	20.29			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.36	23.39	23.31	24.5	0	
10	QPSK	1	25	23.31	23.36	23.32			
10	QPSK	1	49	23.07	23.14	23.17			
10	QPSK	25	0	22.44	22.33	22.27	23.5	1	
10	QPSK	25	12	22.30	22.38	22.28			
10	QPSK	25	25	22.24	22.26	22.34			
10	QPSK	50	0	22.32	22.36	22.18	23.5	1	
10	16QAM	1	0	22.48	22.43	22.55			
10	16QAM	1	25	22.54	22.15	22.54			
10	16QAM	1	49	22.37	22.45	22.45	23.5	1	
10	16QAM	25	0	21.34	21.40	21.30			
10	16QAM	25	12	21.39	21.41	21.24			
10	16QAM	25	25	21.28	21.26	21.29	22.5	2	
10	16QAM	50	0	21.27	21.29	21.20			
10	64QAM	1	0	21.46	21.55	21.44			
10	64QAM	1	25	21.62	21.61	21.54	22.5	2	
10	64QAM	1	49	21.39	21.40	21.48			
10	64QAM	25	0	20.44	20.35	20.31			
10	64QAM	25	12	20.39	20.24	20.36	21.5	3	
10	64QAM	25	25	20.25	20.28	20.23			
10	64QAM	50	0	20.34	20.27	20.20			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.33	23.33	23.43	24.5	0	
5	QPSK	1	12	23.24	23.29	23.36			
5	QPSK	1	24	23.05	23.19	23.17			
5	QPSK	12	0	22.34	22.34	22.24	23.5	1	
5	QPSK	12	7	22.41	22.24	22.25			
5	QPSK	12	13	22.32	22.25	22.26			
5	QPSK	25	0	22.24	22.39	22.19	23.5	1	
5	16QAM	1	0	22.51	22.39	22.56			
5	16QAM	1	12	22.59	22.26	22.48			
5	16QAM	1	24	22.27	22.25	22.25	22.5	2	
5	16QAM	12	0	21.29	21.27	21.31			
5	16QAM	12	7	21.45	21.39	21.26			
5	16QAM	12	13	21.21	21.30	21.27	22.5	2	
5	16QAM	25	0	21.25	21.23	21.25			
5	64QAM	1	0	21.46	21.48	21.49			
5	64QAM	1	12	21.61	21.66	21.53	22.5	2	
5	64QAM	1	24	21.38	21.37	21.40			
5	64QAM	12	0	20.46	20.29	20.27			
5	64QAM	12	7	20.29	20.34	20.24	21.5	3	
5	64QAM	12	13	20.21	20.22	20.25			
5	64QAM	25	0	20.33	20.35	20.32			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.42	23.37	23.39	24.5	0	
3	QPSK	1	8	23.24	23.34	23.33			
3	QPSK	1	14	23.10	23.16	23.07			
3	QPSK	8	0	22.36	22.33	22.28	23.5	1	
3	QPSK	8	4	22.31	22.25	22.24			
3	QPSK	8	7	22.31	22.21	22.25			
3	QPSK	15	0	22.29	22.30	22.23	23.5	1	
3	16QAM	1	0	22.49	22.35	22.52			
3	16QAM	1	8	22.63	22.25	22.55			
3	16QAM	1	14	22.25	22.42	22.42	22.5	2	
3	16QAM	8	0	21.26	21.38	21.31			
3	16QAM	8	4	21.35	21.28	21.14			
3	16QAM	8	7	21.22	21.31	21.17	22.5	2	
3	16QAM	15	0	21.34	21.29	21.23			
3	64QAM	1	0	21.40	21.49	21.44			
3	64QAM	1	8	21.58	21.58	21.53	22.5	2	
3	64QAM	1	14	21.36	21.35	21.51			
3	64QAM	8	0	20.48	20.41	20.29			
3	64QAM	8	4	20.29	20.36	20.30	21.5	3	
3	64QAM	8	7	20.34	20.30	20.23			
3	64QAM	15	0	20.26	20.25	20.30			
Channel				131919	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.41	23.38	23.39	24.5	0	
1.4	QPSK	1	3	23.30	23.33	23.36			
1.4	QPSK	1	5	23.08	23.28	23.14			
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1	
1.4	QPSK	3	1	23.32	23.24	23.35			
1.4	QPSK	3	3	22.97	23.26	23.15			
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1	
1.4	16QAM	1	0	22.53	22.42	22.55			
1.4	16QAM	1	3	22.52	22.15	22.56			
1.4	16QAM	1	5	22.31	22.35	22.55	23.5	1	
1.4	16QAM	3	0	22.45	22.40	22.49			
1.4	16QAM	3	1	22.55	22.26	22.58			
1.4	16QAM	3	3	22.35	22.39	22.42	22.5	2	
1.4	16QAM	6	0	21.24	21.29	21.23			
1.4	64QAM	1	0	21.43	21.45	21.41			
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2	
1.4	64QAM	1	5	21.38	21.47	21.44			
1.4	64QAM	3	0	21.47	21.57	21.52			
1.4	64QAM	3	1	21.64	21.58	21.49	21.5	3	
1.4	64QAM	3	3	21.38	21.47	21.49			
1.4	64QAM	6	0	20.29	20.27	20.34			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.66	22.50			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.36			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.82	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.76	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.36			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	23.24	23.35	23.30	24.5	0				
20	QPSK	1	49	23.15	23.22	23.26						
20	QPSK	1	99	23.20	23.34	23.24						
20	QPSK	36	0	22.21	22.30	22.28						
20	QPSK	50	24	22.17	22.19	22.20	23.5	1				
20	QPSK	50	50	22.19	22.25	22.22						
20	QPSK	100	0	22.14	22.27	22.22						
20	16QAM	1	0	22.02	22.09	22.14						
20	16QAM	1	49	22.21	22.26	22.23	23.5	1				
20	16QAM	1	99	22.23	22.37	22.41						
20	16QAM	50	0	21.18	21.18	21.22						
20	16QAM	50	24	21.11	21.21	21.32						
20	16QAM	100	0	21.10	21.18	21.29	22.5	2				
20	64QAM	1	0	20.74	20.84	20.90						
20	64QAM	1	49	20.95	21.05	21.06						
20	64QAM	1	99	21.01	20.99	21.12						
20	64QAM	50	0	20.17	20.15	20.21	22.5	2				
20	64QAM	50	24	20.15	20.22	20.31						
20	64QAM	50	50	20.23	20.26	20.40						
20	64QAM	100	0	20.18	20.21	20.29						
Channel				37850	38000	38175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5 <th>2595<th>2612.5</th><th colspan="4"></th></th>	2595 <th>2612.5</th> <th colspan="4"></th>	2612.5						
15	QPSK	1	0	23.21	23.31	23.22	24.5	0				
15	QPSK	1	37	23.05	23.10	23.23						
15	QPSK	1	74	23.11	23.27	23.23						
15	QPSK	36	0	22.19	22.15	22.20						
15	QPSK	36	39	22.11	22.12	22.08	23.5	1				
15	QPSK	36	39	22.17	22.18	22.15						
15	QPSK	75	0	22.12	22.21	22.15						
15	16QAM	1	0	21.91	21.97	22.07						
15	16QAM	1	37	22.11	22.21	22.08	23.5	1				
15	16QAM	1	74	22.11	22.36	22.38						
15	16QAM	36	0	21.07	21.07	21.09						
15	16QAM	36	20	21.04	21.13	21.28						
15	16QAM	36	39	21.03	21.17	21.29	22.5	2				
15	16QAM	75	0	21.01	21.16	21.23						
15	64QAM	1	0	20.68	20.72	20.83						
15	64QAM	1	37	20.88	20.93	20.99						
15	64QAM	1	74	20.95	20.93	21.10	22.5	2				
15	64QAM	36	0	20.07	20.16	20.13						
15	64QAM	36	20	20.01	20.15	20.21						
15	64QAM	36	39	20.16	20.12	20.33						
15	64QAM	75	0	20.13	20.18	20.26	21.5	3				
15	64QAM	36	39	20.16	20.12	20.33						
15	64QAM	75	0	20.13	20.18	20.26						
15	64QAM	75	0	20.13	20.18	20.26						
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	23.17	23.29	23.28	24.5	0				
10	QPSK	1	25	23.08	23.10	23.16						
10	QPSK	1	49	23.07	23.25	23.11						
10	QPSK	25	0	22.09	22.20	22.21						
10	QPSK	25	12	22.14	22.08	22.19	23.5	1				
10	QPSK	25	25	22.11	22.11	22.10						
10	QPSK	50	0	22.01	22.21	22.08						
10	16QAM	1	0	21.89	22.00	22.01						
10	16QAM	1	25	22.09	22.10	22.18	22.5	1				
10	16QAM	1	49	22.16	22.26	22.28						
10	16QAM	25	0	21.07	21.16	21.08						
10	16QAM	25	12	21.06	21.20	21.31						
10	16QAM	25	25	21.02	21.23	21.34	22.5	2				
10	16QAM	50	0	21.03	21.03	21.18						
10	64QAM	1	0	20.67	20.71	20.82						
10	64QAM	1	25	20.81	20.92	20.99						
10	64QAM	1	49	21.00	20.91	21.02	22.5	2				
10	64QAM	25	0	20.10	20.14	20.19						
10	64QAM	25	12	20.02	20.12	20.25						
10	64QAM	25	25	20.16	20.20	20.36						
10	64QAM	50	0	20.07	20.10	20.27	21.5	3				
10	64QAM	50	0	20.07	20.10	20.27						
10	64QAM	50	0	20.07	20.10	20.27						
10	64QAM	50	0	20.07	20.10	20.27						
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	23.09	23.24	23.24	24.5	0				
5	QPSK	1	12	23.06	23.14	23.17						
5	QPSK	1	24	23.12	23.24	23.16						
5	QPSK	12	0	22.10	22.22	22.13						
5	QPSK	12	7	22.15	22.11	22.14	23.5	1				
5	QPSK	12	13	22.09	22.11	22.20						
5	QPSK	25	0	22.03	22.23	22.07						
5	16QAM	1	0	21.99	21.95	22.06						
5	16QAM	1	12	22.12	22.22	22.20	22.5	1				
5	16QAM	1	24	22.09	22.27	22.40						
5	16QAM	12	0	21.03	21.06	21.16						
5	16QAM	12	7	21.03	21.10	21.22						
5	16QAM	12	13	21.08	21.13	21.22	22.5	2				
5	16QAM	25	0	21.00	21.04	21.23						
5	64QAM	1	0	20.72	20.81	20.84						
5	64QAM	1	12	20.91	20.96	21.03						
5	64QAM	1	24	20.96	20.87	20.98	22.5	2				
5	64QAM	12	0	20.12	20.12	20.20						
5	64QAM	12	7	20.07	20.07	20.16						
5	64QAM	12	13	20.12	20.19	20.29						
5	64QAM	25	0	20.04	20.19	20.23	21.5	3				
5	64QAM	25	0	20.04	20.19	20.23						
5	64QAM	25	0	20.04	20.19	20.23						
5	64QAM	25	0	20.04	20.19	20.23						

Band 38_Ant 2														
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				37850	38000	38150								
Frequency (MHz)				2580	2595	2610								
20	QPSK	1	0	21.08	21.70	21.62	22.5	0						
20	QPSK	1	49	21.58	21.68	21.58								
20	QPSK	1	99	21.55	21.63	21.53								
20	QPSK	36	0	21.39	21.67	21.58								
20	QPSK	50	24	21.49	21.63	21.50	22.5	0						
20	QPSK	50	50	21.44	21.54	21.44								
20	QPSK	100	0	21.50	21.62	21.54								
20	16QAM	1	0	21.52	21.65	21.46								
20	16QAM	1	49	21.51	21.61	21.40	22.5	0						
20	16QAM	1	99	21.60	21.57	21.51								
20	16QAM	50	0	21.55	21.63	21.48								
20	16QAM	50	24	21.46	21.62	21.39	22.5	0						
20	16QAM	50	50	21.63	21.61	21.57								
20	16QAM	100	0	21.54	21.62	21.61								
20	64QAM	1	0	21.64	21.64	21.55								
20	64QAM	1	49	21.48	21.55	21.56	22.5	0						
20	64QAM	1	99	21.51	21.57	21.42								
20	64QAM	50	0	20.56	20.61	20.60								
20	64QAM	50	24	20.59	20.61	20.57								
20	64QAM	50	50	20.63	20.65	20.55	21.5	1						
20	64QAM	100	0	20.60	20.61	20.57								
Channel				37850	38000	38150								
Frequency (MHz)				2577.5	2595	2612.5								
15	QPSK	1	0	21.59	21.80	21.47	22.5	0						
15	QPSK	1	37	21.48	21.55	21.48								
15	QPSK	1	74	21.54	21.53	21.45								
15	QPSK	36	0	21.41	21.58	21.45								
15	QPSK	36	37	21.39	21.59	21.44	22.5	0						
15	QPSK	36	74	21.40	21.53	21.42								
15	QPSK	75	0	21.35	21.58	21.41								
15	16QAM	1	0	21.48	21.62	21.36								
15	16QAM	1	37	21.48	21.53	21.31	22.5	0						
15	16QAM	1	74	21.46	21.44	21.40								
15	16QAM	36	0	21.46	21.48	21.46								
15	16QAM	36	20	21.43	21.61	21.31								
15	16QAM	36	37	21.56	21.48	21.49	22.5	0						
15	16QAM	75	0	21.50	21.54	21.37								
15	64QAM	1	0	21.58	21.61	21.47								
15	64QAM	1	37	21.35	21.47	21.42								
15	64QAM	1	74	21.36	21.47	21.41	22.5	0						
15	64QAM	36	0	20.45	20.51	20.56								
15	64QAM	36	20	20.57	20.80	20.44								
15	64QAM	36	39	20.58	20.64	20.41								
15	64QAM	75	0	20.55	20.56	20.56	21.5	1						
Channel				3777.5	3800	3822.5								
Frequency (MHz)				2577.5	2595	2612.5								
10	QPSK	1	0	21.55	21.83	21.61					22.5	0		
10	QPSK	1	25	21.43	21.54	21.58								
10	QPSK	1	49	21.47	21.56	21.47								
10	QPSK	1	74	21.40	21.53	21.47								
10	QPSK	25	12	21.34	21.52	21.37	22.5	0						
10	QPSK	25	25	21.36	21.45	21.40								
10	QPSK	50	0	21.41	21.56	21.45								
10	16QAM	1	0	21.46	21.59	21.42								
10	16QAM	1	25	21.36	21.57	21.36	22.5	0						
10	16QAM	1	49	21.47	21.50	21.47								
10	16QAM	25	0	21.53	21.49	21.43								
10	16QAM	25	12	21.45	21.60	21.32								
10	16QAM	25	25	21.51	21.48	21.49	22.5	0						
10	16QAM	50	0	21.51	21.58	21.44								
10	64QAM	1	0	21.56	21.53	21.54								
10	64QAM	1	25	21.41	21.51	21.54								
10	64QAM	1	49	21.46	21.53	21.50	22.5	0						
10	64QAM	25	0	20.44	20.56	20.47								
10	64QAM	25	12	20.57	20.54	20.48								
10	64QAM	25	25	20.54	20.58	20.52								
10	64QAM	50	0	20.54	20.59	20.44	21.5	1						
Channel				3777.5	3800	3822.5								
Frequency (MHz)				2572.5 <th>2595<td>2617.5</td><th colspan="4"></th></th>	2595 <td>2617.5</td> <th colspan="4"></th>	2617.5								
5	QPSK	1	0	21.64	21.69	21.52					22.5	0		
5	QPSK	1	12	21.54	21.57	21.50								
5	QPSK	1	24	21.48	21.58	21.45								
5	QPSK	12	0	21.38	21.63	21.49								
5	QPSK	12	7	21.41	21.54	21.43	22.5	0						
5	QPSK	12	13	21.35	21.44	21.39								
5	QPSK	25	0	21.39	21.60	21.50								
5	16QAM	1	0	21.51	21.54	21.44								
5	16QAM	1	12	21.44	21.59	21.39	22.5	0						
5	16QAM	1	24	21.45	21.47	21.45								
5	16QAM	12	0	21.48	21.62	21.46								
5	16QAM	12	13	21.34	21.52	21.35								
5	16QAM	12	13	21.48	21.57	21.43	22.5	0						
5	16QAM	25	0	21.51	21.59	21.36								
5	64QAM	1	0	21.50	21.50	21.49								
5	64QAM	1	12	21.42	21.47	21.49								
5	64QAM	1	24	21.50	21.47	21.27	22.5	0						
5	64QAM	12	0	20.50	20.58	20.51								
5	64QAM	12	7	20.51	20.55	20.42								
5	64QAM	12	13	20.56	20.56	20.47								
5	64QAM	12	0	20.45	20.48	20.51	21.5	1						
5	64QAM	25	0	20.45	20.49	20.51								
5	64QAM	25	12	20.45	20.49	20.51								
5	64QAM	25	25	20.45	20.49	20.51								

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41480		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.18	22.93	23.15	23.26	23.48	24.5	0
20	QPSK	1	49	23.04	22.96	23.53	23.20	23.43		
20	QPSK	1	99	22.93	22.92	23.51	23.06	23.47		
20	QPSK	50	0	22.12	22.10	22.48	22.22	22.43		
20	QPSK	50	24	21.97	21.88	22.42	22.13	22.35	23.5	1
20	QPSK	50	50	21.94	21.87	22.45	22.15	22.41		
20	QPSK	100	0	22.08	22.00	22.41	22.12	22.20		
20	16QAM	1	0	22.11	22.00	22.43	22.09	22.22		
20	16QAM	1	49	22.08	22.05	22.46	22.16	22.32	23.5	1
20	16QAM	1	99	21.91	21.88	22.38	22.21	22.35		
20	16QAM	50	0	21.01	20.90	21.40	21.04	21.35		
20	16QAM	50	24	21.00	20.92	21.43	21.10	21.38		
20	16QAM	50	50	21.00	20.95	21.38	21.21	21.42	22.5	2
20	16QAM	100	0	21.00	20.89	21.49	21.13	21.26		
20	64QAM	1	0	20.82	20.58	21.10	20.78	21.01		
20	64QAM	1	49	20.83	20.74	21.12	20.94	21.12		
20	64QAM	1	99	20.83	20.69	21.08	20.95	21.19	21.5	3
20	64QAM	50	0	19.98	19.88	20.43	20.14	20.32		
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32		
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.35		
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.35		
Channel				39725	40173	40620	41055	41480	Time-up limit (dBm)	
Frequency (MHz)				2621.5	2664.5	2693	2673.8	2682.5		
15	QPSK	1	0	23.12	22.87	23.11	23.40	23.53	24.5	0
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.50		
15	QPSK	1	74	22.86	22.86	23.01	23.45	23.38		
15	QPSK	36	0	22.06	21.97	22.11	22.28	22.40		
15	QPSK	36	20	21.90	21.85	22.08	22.30	22.40	23.5	1
15	QPSK	36	39	21.90	21.80	22.11	22.31	22.31		
15	QPSK	75	0	21.99	21.85	22.05	22.21	22.38		
15	16QAM	1	0	22.01	21.97	22.06	22.16	22.38		
15	16QAM	1	37	22.00	22.04	22.09	22.26	22.35	23.5	1
15	16QAM	1	74	21.96	21.96	22.14	22.30	22.28		
15	16QAM	36	0	21.00	20.76	20.95	21.30	21.26		
15	16QAM	36	20	20.88	20.78	21.09	21.35	21.31		
15	16QAM	36	39	20.88	20.88	21.17	21.38	21.32	22.5	2
15	16QAM	75	0	20.93	20.83	21.09	21.22	21.38		
15	64QAM	1	0	20.77	20.54	20.77	20.98	21.06		
15	64QAM	1	37	20.76	20.72	20.87	20.99	21.08		
15	64QAM	1	74	20.55	20.68	20.88	21.05	20.94	21.5	3
15	64QAM	36	0	19.83	19.79	20.06	20.26	20.35		
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41		
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31		
15	64QAM	75	0	19.83	19.88	20.15	20.22	20.41		
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.07	22.80	23.22	23.38	23.42	24.5	0
10	QPSK	1	25	22.97	22.82	23.16	23.38	23.41		
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.43		
10	QPSK	25	0	22.10	22.01	22.17	22.41	22.42		
10	QPSK	25	12	21.94	21.87	22.01	22.29	22.39	23.5	1
10	QPSK	25	25	21.84	21.81	22.10	22.32	22.31		
10	QPSK	50	0	22.05	21.93	22.11	22.15	22.39		
10	16QAM	1	0	22.06	21.89	22.08	22.13	22.32		
10	16QAM	1	25	21.91	21.94	22.11	22.23	22.30	23.5	1
10	16QAM	1	49	21.89	21.94	22.09	22.24	22.34		
10	16QAM	25	0	20.98	20.89	20.96	21.30	21.39		
10	16QAM	25	12	20.91	20.91	21.03	21.30	21.28		
10	16QAM	25	25	20.86	20.91	21.17	21.33	21.34	22.5	2
10	16QAM	50	0	20.88	20.86	20.98	21.18	21.39		
10	64QAM	1	0	20.76	20.65	20.73	20.86	21.02		
10	64QAM	1	25	20.69	20.62	20.80	21.11	21.03		
10	64QAM	1	49	20.50	20.59	20.94	21.13	21.20	21.5	3
10	64QAM	25	0	19.92	19.80	20.08	20.29	20.32		
10	64QAM	25	12	19.93	19.93	20.07	20.21	20.36		
10	64QAM	25	25	19.98	19.93	20.12	20.26	20.40		
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38		
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	23.11	22.85	23.11	23.47	23.43	24.5	0
5	QPSK	1	12	23.03	22.94	23.10	23.26	23.43		
5	QPSK	1	24	22.93	22.77	23.03	23.43	23.42		
5	QPSK	12	0	22.01	21.86	22.21	22.35	22.38		
5	QPSK	12	7	21.86	21.86	22.12	22.28	22.30	23.5	1
5	QPSK	12	13	21.89	21.86	22.13	22.31	22.30		
5	QPSK	25	0	22.01	21.89	21.97	22.23	22.30		
5	16QAM	1	0	21.99	21.92	21.98	22.27	22.42		
5	16QAM	1	12	21.91	21.90	22.09	22.25	22.35	23.5	1
5	16QAM	1	24	21.90	21.97	22.12	22.27	22.24		
5	16QAM	12	0	20.91	20.81	20.93	21.29	21.39		
5	16QAM	12	7	20.85	20.91	21.09	21.32	21.29		
5	16QAM	12	13	20.86	20.88	21.09	21.39	21.28	22.5	2
5	16QAM	25	0	20.95	20.83	21.11	21.15	21.47		
5	64QAM	1	0	20.70	22.00	20.76	20.80	20.97		
5	64QAM	1	12	20.82	20.58	20.84	21.11	21.11		
5	64QAM	1	24	20.53	20.55	20.85	21.15	20.98	22.5	2
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29		
5	64QAM	12	7	19.90	19.92	20.05	20.26	20.34	21.5	3
5	64QAM	12	13	19.92	19.92	20.06	20.27	20.36		
5	64QAM	25	0	19.93	19.86	20.19	20.22	20.38		
5	64QAM	25	12	19.98	19.93	20.12	20.26	20.40		

Part 96_Band 48_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel				55340	55340	56150	56640					
Frequency (MHz)				3560	3609	3641	3690					
20	QPSK	1	0	22.51	22.48	22.43	22.50	23	0			
20	QPSK	1	49	22.49	22.37	22.41	22.41					
20	QPSK	1	99	22.41	22.41	22.37	22.46					
20	QPSK	50	0	21.56	21.56	21.46	21.46					
20	QPSK	50	24	21.46	21.51	21.50	21.35	22	1			
20	QPSK	50	50	21.43	21.51	21.44	21.46					
20	QPSK	100	0	21.56	21.42	21.50	21.48					
20	16QAM	1	0	21.49	21.58	21.57	21.57					
20	16QAM	1	49	21.44	21.54	21.46	21.48	22	1			
20	16QAM	1	99	21.49	21.48	21.51	21.48					
20	16QAM	50	0	20.47	20.56	20.59	20.50					
20	16QAM	50	24	20.37	20.51	20.57	20.40					
20	16QAM	100	0	20.37	20.54	20.55	20.36	21	2			
20	64QAM	1	0	20.11	20.10	20.22	20.09					
20	64QAM	1	49	20.36	20.51	20.52	20.39					
20	16QAM	1	99	20.34	20.54	20.47	20.40					
20	8QAM	50	0	19.42	19.52	19.56	19.48	20	3			
20	8QAM	50	24	19.37	19.51	19.42	19.33					
20	8QAM	50	50	19.35	19.41	19.51	19.40					
20	64QAM	100	0	19.34	19.50	19.42	19.39					
Channel				55515	55800	56160	56650	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3557.5	3608	3642	3692.5					
15	QPSK	1	0	22.46	22.35	22.35	22.38	23	0			
15	QPSK	1	37	22.43	22.18	22.26	22.27					
15	QPSK	1	74	22.32	22.28	22.23	22.33					
15	QPSK	36	0	21.44	21.37	21.47	21.36					
15	QPSK	36	20	21.34	21.34	21.41	21.19	22	1			
15	QPSK	36	39	21.33	21.31	21.27	21.37					
15	QPSK	75	0	21.36	21.35	21.41	21.41					
15	16QAM	1	0	21.43	21.39	21.38	21.44					
15	16QAM	1	37	21.34	21.38	21.28	21.33	22	1			
15	16QAM	1	74	21.34	21.31	21.41	21.31					
15	16QAM	36	0	20.42	20.43	20.42	20.45					
15	16QAM	36	39	20.18	20.44	20.48	20.32					
15	16QAM	36	20	20.16	20.47	20.29	20.17	21	2			
15	16QAM	75	0	20.20	20.38	20.47	20.39					
15	64QAM	1	0	19.93	19.97	20.02	19.99					
15	64QAM	1	37	20.20	20.33	20.38	20.29					
15	64QAM	1	74	20.16	20.36	20.35	20.32	21	3			
15	64QAM	36	0	19.27	19.37	19.46	19.42					
15	64QAM	36	20	19.26	19.41	19.24	19.23					
15	64QAM	36	39	19.15	19.36	19.33	19.32					
15	64QAM	75	0	19.14	19.43	19.30	19.32					
Channel				55290	55815	56165	56660	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3563	3607.5	3642.5	3690.5					
10	QPSK	1	0	22.31	22.32	22.27	22.39	23	0			
10	QPSK	1	25	22.34	22.21	22.30	22.27					
10	QPSK	1	49	22.27	22.36	22.19	22.33					
10	QPSK	25	0	21.50	21.50	21.47	21.35					
10	QPSK	25	12	21.32	21.35	21.35	21.15	22	1			
10	QPSK	25	25	21.38	21.31	21.36	21.39					
10	QPSK	50	0	21.45	21.36	21.41	21.28					
10	16QAM	1	0	21.44	21.45	21.52	21.40					
10	16QAM	1	25	21.24	21.49	21.32	21.33	22	1			
10	16QAM	1	49	21.40	21.37	21.46	21.36					
10	16QAM	25	0	20.33	20.50	20.54	20.33					
10	16QAM	25	12	20.17	20.33	20.49	20.33					
10	16QAM	25	25	20.16	20.40	20.40	20.18	21	2			
10	16QAM	50	0	20.21	20.35	20.40	20.31					
10	64QAM	1	0	20.02	20.01	20.03	20.03					
10	64QAM	1	25	20.17	20.40	20.44	20.23					
10	8QAM	1	49	20.28	20.49	20.33	20.20	20	3			
10	8QAM	25	0	19.34	19.39	19.38	19.38					
10	8QAM	25	12	19.25	19.38	19.36	19.14					
10	8QAM	25	25	19.19	19.21	19.40	19.23					
10	8QAM	50	0	19.26	19.42	19.28	19.25					
Channel				55265	55810	56170	56715	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3562.5	3607	3643	3697.5					
5	QPSK	1	0	22.35	22.29	22.24	22.38	23	0			
5	QPSK	1	12	22.26	22.20	22.22	22.23					
5	QPSK	1	24	22.29	22.26	22.18	22.29					
5	QPSK	12	0	21.49	21.47	21.42	21.43					
5	QPSK	12	7	21.28	21.41	21.33	21.22	22	1			
5	QPSK	12	13	21.37	21.39	21.30	21.28					
5	QPSK	25	0	21.36	21.24	21.43	21.29					
5	16QAM	1	0	21.40	21.47	21.45	21.40					
5	16QAM	1	12	21.34	21.48	21.40	21.31	22	1			
5	16QAM	1	24	21.35	21.30	21.35	21.39					
5	16QAM	12	0	20.42	20.40	20.46	20.40					
5	16QAM	12	7	20.24	20.31	20.43	20.29					
5	16QAM	12	13	20.20	20.42	20.36	20.15	21	2			
5	16QAM	25	0	20.28	20.38	20.50	20.25					
5	16QAM	1	0	20.05	20.02	20.04	20.06					
5	64QAM	1	12	20.24	20.45	20.34	20.25					
5	64QAM	1	24	20.21	20.39	20.39	20.23	21	2			
5	64QAM	12	0	19.35	19.41	19.41	19.34					
5	64QAM	12	7	19.18	19.43	19.28	19.17					
5	64QAM	12	13	19.30	19.34	19.37	19.25					
5	8QAM	25	0	19.18	19.39	19.32	19.23	20	3			

Part 96_Band 48_Ant 3														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel				55340	55340	56150	56640							
Frequency (MHz)				3560	3609	3641	3690							
20	QPSK	1	0	22.58	22.43	22.50	22.45	23	0					
20	QPSK	1	49	22.49	22.39	22.50	22.32							
20	QPSK	1	99	22.51	22.38	22.50	22.30							
20	QPSK	50	0	21.57	21.47	21.58	21.48							
20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1					
20	QPSK	50	50	21.46	21.37	21.42	21.27							
20	QPSK	100	0	21.55	21.31	21.44	21.38							
20	16QAM	1	0	21.53	21.32	21.47	21.29							
20	16QAM	1	49	21.58	21.38	21.51	21.31	22	1					
20	16QAM	1	99	21.50	21.28	21.44	21.36							
20	16QAM	50	0	20.55	20.38	20.53	20.43							
20	16QAM	50	24	20.44	20.33	20.44	20.34							
20	16QAM	50	50	20.44	20.35	20.44	20.34	21	2					
20	16QAM	100	0	20.41	20.30	20.42	20.41							
20	64QAM	1	0	20.54	20.27	20.45	20.39							
20	64QAM	1	49	20.46	20.29	20.50	20.31							
20	64QAM	1	99	20.46	20.29	20.46	20.32	21	2					
20	64QAM	50	0	19.60	19.44	19.58	19.45							
20	64QAM	50	24	19.59	19.41	19.49	19.30							
20	64QAM	50	50	19.53	19.32	19.51	19.38							
20	64QAM	100	0	19.40	19.40	19.45	19.31	20	3					
Channel				55315	55315	56160	56605							
Frequency (MHz)				3557.5	3608	3642	3692.5							
15	QPSK	1	0	22.46	22.19	22.45	22.43			23	0			
15	QPSK	1	37	22.38	22.17	22.48	22.28							
15	QPSK	1	74	22.45	22.09	22.47	22.19							
15	QPSK	38	0	21.46	21.35	21.46	21.39							
15	QPSK	38	20	21.36	20.99	21.39	21.28	22	1					
15	QPSK	38	39	21.45	21.13	21.27	21.24							
15	QPSK	75	0	21.47	21.06	21.38	21.31							
15	16QAM	1	0	21.50	21.21	21.38	21.14							
15	16QAM	1	37	21.42	21.19	21.39	21.16	22	1					
15	16QAM	1	74	21.43	21.00	21.29	21.29							
15	16QAM	38	0	20.54	20.17	20.50	20.42							
15	16QAM	38	20	20.54	20.17	20.57	20.30							
15	16QAM	38	39	20.29	20.04	20.50	20.27	21	2					
15	16QAM	75	0	20.32	20.14	20.38	20.37							
15	64QAM	1	0	20.50	20.01	20.35	20.26							
15	64QAM	1	37	20.35	20.07	20.44	20.30							
15	64QAM	1	74	20.35	20.07	20.44	20.30	20	2					
15	64QAM	38	0	19.55	19.19	19.48	19.31							
15	64QAM	38	20	19.45	19.17	19.45	19.20							
15	64QAM	38	39	19.48	19.05	19.38	19.28							
15	64QAM	75	0	19.45	19.12	19.30	19.16	20	3					
Channel				55300	55315	56165	56660							
Frequency (MHz)				3555	3607.5	3642.5	3695							
10	QPSK	1	0	22.47	22.20	22.49	22.37			23	0			
10	QPSK	1	25	22.45	22.22	22.44	22.19							
10	QPSK	1	49	22.43	22.19	22.45	22.15							
10	QPSK	25	0	21.42	21.25	21.50	21.36							
10	QPSK	25	12	21.39	21.03	21.29	21.31	22	1					
10	QPSK	25	25	21.43	21.02	21.27	21.24							
10	QPSK	50	0	21.45	21.03	21.43	21.29							
10	16QAM	1	0	21.45	21.15	21.43	21.24							
10	16QAM	1	25	21.39	21.11	21.33	21.18	22	1					
10	16QAM	1	49	21.47	21.07	21.39	21.24							
10	16QAM	25	0	20.45	20.17	20.47	20.29							
10	16QAM	25	12	20.36	20.06	20.38	20.29							
10	16QAM	25	25	20.38	20.06	20.37	20.25	21	2					
10	16QAM	50	0	20.27	20.12	20.29	20.30							
10	64QAM	1	0	20.45	20.07	20.38	20.34							
10	64QAM	1	25	20.34	20.05	20.37	20.17							
10	64QAM	1	49	20.41	20.10	20.43	20.31	20	3					
10	64QAM	25	0	19.56	19.23	19.53	19.35							
10	64QAM	25	12	19.56	19.19	19.48	19.19							
10	64QAM	25	25	19.46	19.12	19.40	19.30							
10	64QAM	50	0	19.41	19.19	19.32	19.23	20	3					
Channel				55305	55310	56170	56715							
Frequency (MHz)				3552.5	3607	3643	3697.5							
5	QPSK	1	0	22.46	22.28	22.50	22.34			23	0			
5	QPSK	1	12	22.41	22.22	22.51	22.21							
5	QPSK	1	24	22.51	22.28	22.48	22.17							
5	QPSK	12	0	21.47	21.16	21.41	21.37							
5	QPSK	12	7	21.33	21.04	21.31	21.28	22	1					
5	QPSK	12	13	21.36	21.14	21.28	21.13							
5	16QAM	1	0	21.49	21.19	21.35	21.28							
5	16QAM	1	12	21.47	21.08	21.36	21.18							
5	16QAM	1	24	21.44	21.01	21.32	21.31	22	1					
5	16QAM	12	0	20.45	20.12	20.40	20.30							
5	16QAM	12	7	20.33	20.05	20.35	20.28							
5	16QAM	12	13	20.30	20.05	20.48	20.24							
5	16QAM	25	0	20.27	20.02	20.28	20.30	21	2					
5	16QAM	25	0	20.41	20.05	20.37	20.31							
5	64QAM	1	0	20.33	20.13	20.38	20.16							
5	64QAM	1	24	20.37	20.19	20.45	20.38							
5	64QAM	12	0	19.51	19.21	19.46	19.30	20	3					
5	64QAM	12	7	19.49	19.20	19.45	19.22							
5	64QAM	12	13	19.43	19.19	19.40	19.35							
5	64QAM	25	0	19.41	19.17	19.30	19.19							

Part 96_Band 48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	55150	55640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	21.35	21.20	21.13	21.22	22	0	
20	QPSK	1	49	21.18	21.10	21.17	21.06			
20	QPSK	1	99	21.25	20.92	21.08	21.06			
20	QPSK	50	0	21.30	21.16	21.15	21.20			
20	QPSK	50	24	21.24	20.93	21.06	21.12	22	0	
20	QPSK	50	50	21.28	20.95	21.07	21.08			
20	QPSK	100	0	21.24	21.13	21.10	21.15			
20	16QAM	1	0	21.21	21.15	21.14	21.10			
20	16QAM	1	49	21.12	20.85	21.14	21.06	22	0	
20	16QAM	1	99	21.21	20.78	20.93	20.91			
20	16QAM	50	0	21.26	21.14	21.11	21.10			
20	16QAM	50	24	21.16	20.78	21.05	21.11			
20	16QAM	50	50	21.14	20.87	20.97	20.99	22	0	
20	16QAM	100	0	21.12	21.03	21.05	21.00			
20	64QAM	1	0	21.15	21.15	21.10	21.11			
20	64QAM	1	49	21.22	20.79	21.03	21.10			
20	64QAM	1	99	21.16	20.87	20.97	21.03	22	0	
20	64QAM	50	0	20.93	20.59	20.70	20.69			
20	64QAM	50	24	20.81	20.46	20.63	20.63			
20	64QAM	50	50	20.71	20.47	20.57	20.57			
20	64QAM	100	0	20.76	20.48	20.57	20.65	21.5	0.5	
Channel				55315	55800	55160	55650			
Frequency (MHz)				3567.5	3609	3642	3692.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.32	21.10	21.05	21.08	22	0	
15	QPSK	1	37	21.05	21.08	21.05	20.97			
15	QPSK	1	74	21.15	20.86	21.03	20.97			
15	QPSK	36	0	21.22	21.11	21.05	21.08			
15	QPSK	36	36	21.21	20.81	20.92	21.04	22	0	
15	QPSK	36	39	21.26	20.93	20.96	20.97			
15	QPSK	75	0	21.11	21.01	20.98	21.05			
15	16QAM	1	0	21.14	21.14	21.09	20.97			
15	16QAM	1	37	21.00	20.83	21.02	20.94	22	0	
15	16QAM	1	74	21.09	20.70	20.88	20.76			
15	16QAM	36	0	21.16	21.02	21.03	21.04			
15	16QAM	36	20	21.10	20.68	21.02	20.98			
15	16QAM	36	39	21.04	20.66	20.90	20.94	22	0	
15	16QAM	75	0	21.06	20.99	20.92	20.91			
15	64QAM	1	0	21.12	21.13	20.97	21.09			
15	64QAM	1	37	21.09	20.66	20.93	20.95			
15	64QAM	1	74	21.05	20.79	20.91	21.00	21.5	0.5	
15	64QAM	36	0	20.76	20.47	20.56	20.66			
15	64QAM	36	20	20.76	20.31	20.61	20.50			
15	64QAM	36	39	20.65	20.41	20.44	20.56			
15	64QAM	75	0	20.68	20.45	20.47	20.58			
Channel				55290	55815	55165	55650	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	21.26	21.09	21.13	21.11			
10	QPSK	1	25	21.17	20.96	21.08	20.96			
10	QPSK	1	49	21.20	20.90	20.98	21.05			
10	QPSK	25	0	21.20	21.13	21.08	21.16			
10	QPSK	25	12	21.11	20.85	20.97	21.09	22	0	
10	QPSK	25	25	21.16	20.94	20.95	20.96			
10	QPSK	50	0	21.09	21.06	21.09	21.05			
10	16QAM	1	0	21.11	21.12	21.02	21.09			
10	16QAM	1	25	21.09	20.91	21.04	20.95	22	0	
10	16QAM	1	49	21.10	20.74	20.80	20.84			
10	16QAM	25	0	21.12	21.00	21.08	20.99			
10	16QAM	25	12	21.15	20.69	21.04	21.02			
10	16QAM	25	25	21.03	20.74	20.93	20.94	22	0	
10	16QAM	50	0	20.98	20.92	20.97	20.92			
10	64QAM	1	0	21.13	21.03	20.98	21.02			
10	64QAM	1	25	21.12	20.76	20.94	20.97			
10	64QAM	1	49	21.10	20.78	20.95	20.90	22	0	
10	64QAM	25	0	20.80	20.44	20.56	20.57			
10	64QAM	25	12	20.72	20.42	20.51	20.48			
10	64QAM	25	25	20.62	20.42	20.46	20.42			
10	64QAM	50	0	20.68	20.34	20.47	20.52	21.5	0.5	
Channel				55265	55810	55170	55715			
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.21	21.05	21.16	21.07	22	0	
5	QPSK	1	12	21.04	21.02	21.10	21.05			
5	QPSK	1	24	21.23	20.87	20.94	21.02			
5	QPSK	12	0	21.27	21.11	21.10	21.08			
5	QPSK	12	7	21.16	20.83	21.02	21.00	22	0	
5	QPSK	12	13	21.20	20.83	21.01	20.95			
5	QPSK	25	0	21.23	21.12	21.09	21.05			
5	16QAM	1	0	21.11	21.08	21.11	21.06			
5	16QAM	1	12	21.07	20.90	21.11	20.88	22	0	
5	16QAM	1	24	21.18	20.74	20.80	20.82			
5	16QAM	12	0	21.11	21.06	21.07	21.08			
5	16QAM	12	7	21.07	20.74	20.97	21.07			
5	16QAM	12	13	21.11	20.76	20.84	20.88	22	0	
5	16QAM	25	0	21.07	20.88	21.00	20.95			
5	64QAM	1	0	21.01	21.06	21.09	21.01			
5	64QAM	1	12	21.14	20.74	20.88	20.98			
5	64QAM	1	24	21.06	20.78	20.86	20.98	22	0	
5	64QAM	12	0	20.76	20.52	20.62	20.59			
5	64QAM	12	7	20.68	20.37	20.58	20.50			
5	64QAM	12	13	20.59	20.33	20.53	20.43			
5	64QAM	25	0	20.72	20.43	20.45	20.52	21.5	0.5	

Reduced Power Mode for ECI19

GSM850_Ant 0		Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.41	32.49	33.50	23.35	23.41	23.49	24.50
GPRS 1 Tx slot		32.31	32.38	32.46	33.50	23.31	23.38	23.46	24.50
GPRS 2 Tx slots		30.42	30.43	30.58	31.50	24.42	24.43	24.58	25.50
GPRS 3 Tx slots		28.21	28.27	28.36	29.50	23.95	24.01	24.10	24.50
GPRS 4 Tx slots		27.12	27.23	27.21	28.50	24.12	24.23	24.21	25.50
EDGE 1 Tx slot		26.98	26.98	27.05	28.00	17.98	17.98	18.05	19.00
EDGE 2 Tx slots		25.82	25.86	25.86	27.00	19.82	19.86	19.86	20.00
EDGE 3 Tx slots		23.62	23.52	23.64	24.50	19.38	19.26	19.38	20.24
EDGE 4 Tx slots		22.31	22.46	22.57	23.50	19.31	19.46	19.57	20.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		512	661	810	512	661	810	512	661	810
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1850.2	1880	1909.8	1850.2	1909.8
GSM 1 Tx slot		29.26	29.58	29.51	30.50	20.26	20.58	20.51	21.50	
GPRS 1 Tx slot		29.24	29.53	29.47	30.50	20.24	20.53	20.47	21.50	
GPRS 2 Tx slots		27.42	27.72	27.77	28.50	21.42	21.72	21.77	22.50	
GPRS 3 Tx slots		26.21	26.47	26.53	27.50	21.95	22.21	22.27	23.50	
GPRS 4 Tx slots		24.98	25.14	25.32	26.50	21.98	22.14	22.32	23.50	
EDGE 1 Tx slot		25.82	25.82	25.81	27.00	16.82	16.82	16.81	18.00	
EDGE 2 Tx slots		24.49	24.71	24.65	26.00	18.49	18.71	18.65	19.00	
EDGE 3 Tx slots		22.15	22.23	22.28	23.50	17.89	17.97	18.02	19.24	
EDGE 4 Tx slots		20.87	20.82	21.05	22.00	17.87	17.82	18.05	19.00	

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8		
GSM 1 Tx slot		26.46	26.68	26.64	27.50	17.46	17.68	17.64	18.50	
GPRS 1 Tx slot		26.55	26.58	26.64	27.50	17.55	17.58	17.64	18.50	
GPRS 2 Tx slots		24.74	24.82	24.95	25.50	18.74	18.82	18.95	19.50	
GPRS 3 Tx slots		23.33	23.48	23.64	24.50	19.07	19.22	19.38	20.24	
GPRS 4 Tx slots		21.96	22.07	22.08	23.50	18.96	19.07	19.08	20.50	
EDGE 1 Tx slot		22.61	22.84	22.90	24.00	13.61	13.84	13.90	15.00	
EDGE 2 Tx slots		21.52	21.44	21.54	23.00	15.52	15.44	15.54	17.00	
EDGE 3 Tx slots		19.70	19.79	19.83	20.50	15.44	15.53	15.57	17.00	
EDGE 4 Tx slots		17.64	17.70	17.73	19.00	14.64	14.70	14.73	17.00	

Band		WCDMA II_Ant-1			Tune-up Limit (dBm)	WCDMA IV_Ant-1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	22.02	21.95	23.00	22.80	22.84	22.78	24.00
3GPP Rel 99	RMTC 12.2Kbps	21.99	22.05	22.01	23.00	22.85	22.88	22.82	24.00
3GPP Rel 6	HSDPA Subtest-1	21.25	21.35	21.37	22.00	21.87	21.95	21.98	23.00
3GPP Rel 6	HSDPA Subtest-2	21.23	21.36	21.40	22.00	21.85	21.95	21.95	23.00
3GPP Rel 6	HSDPA Subtest-3	20.80	20.82	20.92	21.50	21.34	21.48	21.45	22.50
3GPP Rel 6	HSDPA Subtest-4	20.72	20.85	20.95	21.50	21.32	21.39	21.45	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.22	21.26	21.32	22.00	21.83	21.84	21.90	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.17	21.27	21.36	22.00	21.70	21.88	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.75	20.68	20.80	21.50	21.22	21.36	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.68	20.71	20.80	21.50	21.22	21.35	21.33	22.50
3GPP Rel 6	HSUPA Subtest-1	19.32	19.34	19.39	20.00	19.88	19.90	19.97	21.00
3GPP Rel 6	HSUPA Subtest-2	19.33	19.34	19.35	20.00	19.82	20.03	20.03	21.00
3GPP Rel 6	HSUPA Subtest-3	20.28	20.36	20.37	21.00	21.00	20.97	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	18.81	18.92	18.94	20.00	19.40	19.44	19.47	21.00
3GPP Rel 6	HSUPA Subtest-5	20.30	20.30	20.40	22.00	21.10	21.00	21.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.05	19.12	19.07	20.50	20.10	20.19	20.15	21.50

Band		WCDMA II_Ant-4			Tune-up Limit (dBm)	WCDMA IV_Ant-4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.58	18.64	18.67	19.50	21.29	21.32	21.27	22.50
3GPP Rel 99	RMTC 12.2Kbps	18.65	18.75	18.71	19.50	21.35	21.37	21.30	22.50
3GPP Rel 6	HSDPA Subtest-1	17.62	17.71	17.80	18.50	20.28	20.36	20.46	21.50
3GPP Rel 6	HSDPA Subtest-2	17.64	17.73	17.76	18.50	20.25	20.35	20.42	21.50
3GPP Rel 6	HSDPA Subtest-3	17.13	17.23	17.31	18.00	19.78	19.90	19.99	21.00
3GPP Rel 6	HSDPA Subtest-4	17.12	17.22	17.26	18.00	19.79	19.85	19.91	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.51	17.70	17.69	18.50	20.23	20.34	20.37	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.51	17.60	17.67	18.50	20.17	20.25	20.27	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.03	17.20	17.23	18.00	19.68	19.87	19.92	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.10	17.14	17.18	18.00	19.78	19.82	19.76	21.00
3GPP Rel 6	HSUPA Subtest-1	15.76	15.88	15.80	16.50	18.29	18.41	18.42	19.50
3GPP Rel 6	HSUPA Subtest-2	15.69	15.80	15.84	16.50	18.34	18.42	18.38	19.50
3GPP Rel 6	HSUPA Subtest-3	16.70	16.77	16.81	17.50	19.35	19.38	19.41	20.50
3GPP Rel 6	HSUPA Subtest-4	15.16	15.37	15.21	16.50	17.86	17.96	17.95	19.50
3GPP Rel 6	HSUPA Subtest-5	16.70	16.80	16.80	18.50	19.60	19.60	19.50	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.77	15.82	15.72	17.00	18.57	18.66	18.60	20.00

Band		WCDMA V_Ant-0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.80	23.87	23.83	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.84	23.95	23.91	25.00
3GPP Rel 6	HSDPA Subtest-1	22.96	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-2	22.89	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.53	22.61	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.38	22.56	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.84	22.90	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.83	22.99	22.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.51	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.46	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	20.90	20.94	20.97	22.00
3GPP Rel 6	HSUPA Subtest-2	20.95	20.98	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.43	20.56	22.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.10	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.82	20.89	20.88	22.50

GSM850_Ant 4	Burst Average Power (dbm)				Tune-up Limit	Frame-Average Power (dbm)				Tuneup Limit (dbm)
	Tx Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		32.05	32.26	32.11	33.00	23.05	23.26	23.11	24.00	
GPRS 1 Tx slot		32.01	32.21	32.05	33.00	23.01	23.21	23.05	24.00	
GPRS 2 Tx slots		30.12	30.26	30.13	31.00	24.12	24.26	24.13	25.00	
GPRS 3 Tx slots		27.86	28.04	27.92	29.00	23.60	23.78	23.66	24.74	
GPRS 4 Tx slots		26.72	26.87	26.77	28.00	23.72	23.87	23.77	25.00	
EDGE 1 Tx slot		26.82	26.77	26.77	27.50	17.82	17.77	17.77	18.50	
EDGE 2 Tx slots		25.70	25.68	25.65	26.50	19.70	19.68	19.65	20.24	
EDGE 3 Tx slots		23.43	23.48	23.32	24.50	19.17	19.22	19.06	20.24	
EDGE 4 Tx slots		22.27	22.27	22.24	23.50	19.27	19.27	19.24	20.50	

GSM1900_Ant 2		Burst Average Power (dbm)			Tune-up	Frame-Average Power (dbm)			Tune-up
TX Channel		512	661	810	Limit (dbm)	512	661	810	Limit (dbm)
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		28.68	28.79	29.74	30.50	20.68	20.79	20.74	21.50
GPRS 1 Tx slot		28.68	28.77	28.73	30.50	20.66	20.77	20.73	21.50
GPRS 2 Tx slots		27.78	27.86	27.90	28.50	21.78	21.86	21.90	22.50
GPRS 3 Tx slots		26.58	26.68	26.65	27.50	22.32	22.42	22.39	23.24
GPRS 4 Tx slots		25.27	25.35	25.38	26.50	22.27	22.35	22.38	23.50
EDGE 1 Tx slot		25.99	26.14	26.06	27.00	16.99	17.14	17.06	18.00
EDGE 2 Tx slots		24.78	24.88	24.84	26.00	18.78	18.88	18.84	19.00
EDGE 3 Tx slots		22.54	22.60	22.58	23.50	18.28	18.34	18.32	20.24
EDGE 4 Tx slots		21.26	21.31	21.29	22.00	18.26	18.31	18.29	19.00

Band		WCDMA II_Ant-2			Tune-up Limit (dBm)	WCDMA IV_Ant-2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.01	23.04	23.00	24.00	23.77	23.83	23.80	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.05	23.08	23.02	24.00	23.82	23.90	23.88	25.00
3GPP Rel 6	HSDPA Subtest-1	22.13	22.23	22.23	23.00	23.18	23.16	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	22.16	22.20	22.19	23.00	23.15	23.14	23.11	24.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.73	21.73	22.50	22.71	22.67	22.66	23.50
3GPP Rel 6	HSDPA Subtest-4	21.70	21.71	21.74	22.50	22.70	22.62	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.03	22.18	22.14	23.00	23.07	23.13	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.13	22.05	22.08	23.00	23.14	23.12	23.06	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.69	21.61	22.50	22.56	22.65	22.61	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.64	21.63	21.70	22.50	22.63	22.55	22.50	23.50
3GPP Rel 6	HSUPA Subtest-1	20.18	20.25	20.24	21.00	21.02	20.87	20.83	22.00
3GPP Rel 6	HSUPA Subtest-2	20.24	20.30	20.23	21.00	21.03	20.94	20.80	22.00
3GPP Rel 6	HSUPA Subtest-3	21.22	21.31	21.26	22.00	21.84	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	19.71	19.84	19.78	21.00	20.37	20.44	20.33	22.00
3GPP Rel 6	HSUPA Subtest-5	21.20	21.30	21.20	23.00	22.02	22.11	22.08	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.05	20.10	20.08	21.00	20.98	21.01	20.86	22.50

Band 2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	21.87	21.95	21.90	23	0		
20	QPSK	1	49	21.85	21.87	21.84				
20	QPSK	1	99	21.84	21.89	21.80				
20	QPSK	50	0	21.87	21.90	21.86				
20	QPSK	50	24	21.82	21.85	21.84	23	0		
20	QPSK	50	50	21.84	21.87	21.84				
20	QPSK	100	0	21.85	21.87	21.85				
20	16QAM	1	0	21.77	21.87	21.88				
20	16QAM	1	49	21.77	21.84	21.84	23	0		
20	16QAM	1	99	21.79	21.91	21.79				
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	0.5		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51				
20	64QAM	1	99	21.44	21.48	21.49	21.5	1.5		
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36				
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	21.74	21.92	21.84	23	0		
15	QPSK	1	37	21.79	21.74	21.82				
15	QPSK	1	74	21.72	21.87	21.69				
15	QPSK	36	0	21.78	21.89	21.77				
15	QPSK	36	20	21.69	21.80	21.69	23	0		
15	QPSK	36	39	21.73	21.79	21.75				
15	QPSK	75	0	21.78	21.85	21.72				
15	16QAM	1	0	21.66	21.86	21.84				
15	16QAM	1	37	21.73	21.79	21.77	23	0		
15	16QAM	1	74	21.74	21.85	21.75				
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	0.5		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38				
15	64QAM	1	74	21.33	21.37	21.39	22.5	0.5		
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21				
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	21.84	21.85	21.83	23	0		
10	QPSK	1	25	21.84	21.80	21.82				
10	QPSK	1	49	21.77	21.75	21.66				
10	QPSK	25	0	21.85	21.89	21.75				
10	QPSK	25	12	21.74	21.70	21.72	23	0		
10	QPSK	25	25	21.79	21.86	21.72				
10	QPSK	50	0	21.76	21.72	21.84				
10	16QAM	1	0	21.75	21.80	21.82				
10	16QAM	1	25	21.62	21.71	21.74	23	0		
10	16QAM	1	49	21.73	21.82	21.72				
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.35	21.31	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	0.5		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.45	21.37				
10	64QAM	1	25	21.49	21.45	21.47				
10	64QAM	1	49	21.41	21.43	21.48	22.5	0.5		
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.21				
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	21.80	21.89	21.81	23	0		
5	QPSK	1	12	21.78	21.80	21.83				
5	QPSK	1	24	21.73	21.84	21.65				
5	QPSK	12	0	21.72	21.75	21.85				
5	QPSK	12	7	21.79	21.84	21.81	23	0		
5	QPSK	12	13	21.74	21.75	21.76				
5	QPSK	25	0	21.71	21.85	21.72				
5	16QAM	1	0	21.68	21.75	21.76				
5	16QAM	1	12	21.72	21.72	21.77	23	0		
5	16QAM	1	24	21.76	21.86	21.66				
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	0.5		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44				
5	64QAM	1	24	21.35	21.34	21.42	22.5	0.5		
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23				
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	21.72	21.93	21.89	23	0		
3	QPSK	1	8	21.78	21.85	21.71				
3	QPSK	1	14	21.78	21.85	21.76				
3	QPSK	8	0	21.85	21.88	21.71				
3	QPSK	8	4	21.77	21.72	21.70	23	0		
3	QPSK	8	7	21.83	21.83	21.79				
3	QPSK	15	0	21.78	21.75	21.78				
3	16QAM	1	0	21.70	21.76	21.75				
3	16QAM	1	8	21.71	21.69	21.71	23	0		
3	16QAM	1	14	21.66	21.88	21.71				
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	0.5		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48				
3	64QAM	1	14	21.42	21.42	21.36	22.5	0.5		
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28				
3	64QAM	8	7	20.36	20.25	20.18	21.5	1.5		
3	64QAM	15	0	20.28	20.33	20.23				
Channel				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	21.74	21.89	21.89	23	0		
1.4	QPSK	1	3	21.80	21.76	21.73				
1.4	QPSK	1	3	21.76	21.76	21.72				
1.4	QPSK	3	0	21.86	21.81	21.83				
1.4	QPSK	3	1	21.74	21.75	21.76	23	0		
1.4	QPSK	3	3	21.73	21.81	21.77				
1.4	QPSK	6	0	21.73	21.81	21.82				
1.4	16QAM	1	0	21.62	21.74	21.84				
1.4	16QAM	1	3	21.70	21.81	21.75	23	0		
1.4	16QAM	1	5	21.69	21.76	21.78				
1.4	16QAM	3	0	21.78	21.78	21.74				
1.4	16QAM	3	1	21.74	21.73	21.79				
1.4	16QAM	3	3	21.68	21.78	21.70	22.5	0.5		
1.4	16QAM	6	0	21.23	21.30	21.29				
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44				
1.4	64QAM	1	5	21.47	21.32	21.44	22.5	0.5		
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	5	21.56	21.48	21.40				
1.4	64QAM	3	3	21.46	21.32	21.39				
1.4	64QAM	6	0	20.35	20.31	20.30	21.5	1.5		

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.20				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.29	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.29	22.26	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.20	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	22.5	2		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.21	20.19	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07				
15	64QAM	36	20	20.26	20.20	20.26	21.5	3		
15	64QAM	36	39	20.11	20.05	20.20				
15	64QAM	75	0	20.20	20.08	20.20				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.11	22.10				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	22.5	2		
10	16QAM	25	0	21.18	21.19	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.07	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.25	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.41				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.11	20.14	21.5	3		
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.11	20.11	20.23				
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.97	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.16	22.12				
3	QPSK	8	7	22.19	22.18	22.12				
3	QPSK	15	0	22.09	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.46	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.06	21.12				
3	64QAM	1	0	21.30	21.43	21.29				
3	64QAM	1	8	21.36	21.29	21.40	22.5	2		
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.18	20.15	20.13				
3	64QAM	8	4	20.12	20.13	20.13	21.5	3		
3	64QAM	8	7	20.07	20.04	20.18				
3	64QAM	15	0	20.08	20.08	20.10				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	5	22.98	23.12	23.16				
1.4	QPSK	3	0	23.13	23.24	23.19	23.5	1		
1.4	QPSK	3	3	23.07	23.24	23.25				
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1		
1.4	16QAM	1	0	22.40	22.38	22.36				
1.4	16QAM	1	3	22.48	22.39	22.38				
1.4	16QAM	1	5	22.40	22.35	22.45	23.5	1		
1.4	16QAM	3	0	22.32	22.36	22.36				
1.4	16QAM	3	3	22.51	22.40	22.47				
1.4	16QAM	3	3	22.43	22.30	22.46	22.5	2		
1.4	16QAM	6	0	21.21	21.14	21.14				
1.4	64QAM	1	0	21.33	21.38	21.36				
1.4	64QAM	1	3	21.29	21.37	21.41	22.5	2		
1.4	64QAM	1	5	21.16	21.13	21.36				
1.4	64QAM	3	0	21.22	21.43	21.26				
1.4	64QAM	3	1	21.40	21.28	21.35	21.5	3		
1.4	64QAM	3	3	21.21	21.17	21.35				
1.4	64QAM	6	0	20.16	20.11	20.12				

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.70	23.87	23.80	25	0	
10	QPSK	1	25	23.66	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74	24	1	
10	QPSK	25	12	22.63	22.67	22.72			
10	QPSK	25	25	22.63	22.69	22.70			
10	QPSK	50	0	22.67	22.75	22.73	24	1	
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97	23	2	
10	16QAM	25	0	21.66	21.63	21.74			
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.60	21.78	21.71	23	2	
10	16QAM	50	0	21.62	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.85	21.77	21.95	23	2	
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.83	25	0	
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.60	22.72	22.61	24	1	
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.60	22.72			
5	QPSK	25	0	22.56	22.62	22.66	24	1	
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.61	22.62	22.93			
5	16QAM	1	24	22.67	22.90	22.86	23	2	
5	16QAM	12	0	21.65	21.54	21.72			
5	16QAM	12	7	21.56	21.64	21.65			
5	16QAM	12	13	21.57	21.73	21.70	23	2	
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94	23	2	
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58	22	3	
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76	25	0	
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71	24	1	
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.60	22.61	22.69			
3	QPSK	15	0	22.59	22.73	22.64	24	1	
3	16QAM	1	0	22.62	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91	23	2	
3	16QAM	8	0	21.65	21.57	21.63			
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64	23	2	
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95			
3	64QAM	1	8	21.78	21.69	21.88	23	2	
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57	22	3	
3	64QAM	8	7	20.63	20.65	20.63			
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84	25	0	
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85	24	1	
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.65	24	1	
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84	24	1	
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.88	22.86	23	2	
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.82	21.73	21.92	23	2	
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.68	21.70	22	3	
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.55	24	1	
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.55	22.56	22.47			
10	QPSK	50	0	22.56	22.60	22.52	24	1	
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93	23	2	
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62	23	2	
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66	23	2	
10	64QAM	1	49	21.62	21.68	21.64			
10	64QAM	25	0	20.50	20.55	20.61			
10	64QAM	25	12	20.49	20.46	20.48	22	3	
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40	24	1	
5	QPSK	12	13	22.52	22.46	22.45			
5	QPSK	12	25	22.43	22.54	23.33			
5	QPSK	25	0	22.54	22.57	22.48	24	1	
5	16QAM	1	0	22.84	23.03	22.96			
5	16QAM	1	12	22.58	22.71	22.60			
5	16QAM	1	24	22.80	22.84	22.92	23	2	
5	16QAM	12	0	21.49	21.46	21.53			
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61	23	2	
5	16QAM	25	0	21.58	21.39	21.64			
5	64QAM	1	0	21.61	21.89	21.85			
5	64QAM	1	12	21.61	21.56	21.48	23	2	
5	64QAM	1	24	21.48	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36	22	3	
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55			
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.35	23.43	23.40			
3	QPSK	1	14	23.44	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42	24	1	
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	8	7	22.41	22.52	22.40			
3	QPSK	15	0	22.54	22.56	22.44	24	1	
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89			
3	16QAM	1	14	22.77	22.83	22.83	23	2	
3	16QAM	8	0	21.53	21.37	21.46			
3	16QAM	8	4	21.57	21.39	21.63			
3	16QAM	8	7	21.53	21.37	21.56	23	2	
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55	23	2	
3	64QAM	1	14	21.55	21.61	21.88			
3	64QAM	8	0	20.49	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.36	22	3	
3	64QAM	8	7	20.49	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				824.7	835.5	846.3			
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54	24	1	
1.4	QPSK	3	1	23.45	23.29	23.49			
1.4	QPSK	3	3	23.46	23.54	23.45			
1.4	QPSK	6	0	22.43	22.47	22.39	24	1	
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.69	22.59			
1.4	16QAM	1	5	22.61	22.72	22.87	24	1	
1.4	16QAM	3	0	22.80	23.02	22.79			
1.4	16QAM	3	1	22.66	22.79	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86	23	2	
1.4	16QAM	6	0	21.50	21.37	21.58			
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63	23	2	
1.4	64QAM	1	5	21.57	21.67	21.83			
1.4	64QAM	3	0	21.65	21.85	21.80			
1.4	64QAM	3	1	21.63	21.69	21.57	22	3	
1.4	64QAM	3	3	21.60	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	21.27	21.38	21.30	22	0		
20	QPSK	1	49	21.19	21.23	21.24				
20	QPSK	1	99	21.26	21.29	21.23				
20	QPSK	50	0	21.26	21.34	21.27	22	0		
20	QPSK	50	24	21.24	21.26	21.23				
20	QPSK	50	50	21.20	21.30	21.24				
20	QPSK	100	0	21.22	21.30	21.26	22	0		
20	16QAM	1	0	21.22	21.29	21.19				
20	16QAM	1	49	21.12	21.32	21.25				
20	16QAM	1	99	21.19	21.35	21.18	22	0		
20	16QAM	50	0	21.18	21.37	21.29				
20	16QAM	50	24	21.22	21.27	21.22				
20	16QAM	50	50	21.17	21.36	21.21	22	0		
20	16QAM	100	0	21.14	21.32	21.18				
20	64QAM	1	0	21.21	21.34	21.29				
20	64QAM	1	49	21.23	21.23	21.27	22	0		
20	64QAM	1	99	21.20	21.24	21.27				
20	64QAM	50	0	20.81	20.76	20.76				
20	64QAM	50	24	20.68	20.82	20.71	21.5	0.5		
20	64QAM	50	50	20.71	20.80	20.70				
20	64QAM	100	0	20.65	20.78	20.72				
Channel				20925	21100	21315	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.19	21.37	21.25	22	0		
15	QPSK	1	37	21.17	21.12	21.22				
15	QPSK	1	74	21.14	21.25	21.10				
15	QPSK	36	0	21.19	21.22	21.25	22	0		
15	QPSK	36	20	21.23	21.13	21.11				
15	QPSK	36	39	21.06	21.22	21.19				
15	QPSK	75	0	21.21	21.20	21.12	22	0		
15	16QAM	1	0	21.11	21.23	21.09				
15	16QAM	1	37	21.03	21.22	21.10				
15	16QAM	1	74	21.15	21.34	21.11	22	0		
15	16QAM	36	0	21.03	21.27	21.26				
15	16QAM	36	20	21.13	21.13	21.16				
15	16QAM	36	39	21.04	21.34	21.08	22	0		
15	16QAM	75	0	21.05	21.30	21.08				
15	64QAM	1	0	21.17	21.24	21.22				
15	64QAM	1	37	21.21	21.09	21.26	22	0		
15	64QAM	1	74	21.17	21.11	21.24				
15	64QAM	36	0	20.54	20.68	20.64				
15	64QAM	36	20	20.53	20.75	20.58	21.5	0.5		
15	64QAM	36	39	20.63	20.65	20.62				
15	64QAM	75	0	20.51	20.68	20.60				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	21.25	21.28	21.29	22	0		
10	QPSK	1	25	21.12	21.19	21.10				
10	QPSK	1	49	21.20	21.16	21.22				
10	QPSK	25	0	21.25	21.21	21.17	22	0		
10	QPSK	25	12	21.18	21.16	21.19				
10	QPSK	25	25	21.06	21.21	21.21				
10	QPSK	50	0	21.16	21.27	21.14	22	0		
10	16QAM	1	0	21.20	21.27	21.13				
10	16QAM	1	25	21.09	21.20	21.19				
10	16QAM	1	49	21.06	21.28	21.03	22	0		
10	16QAM	25	0	21.05	21.35	21.28				
10	16QAM	25	12	21.20	21.15	21.11				
10	16QAM	25	25	21.15	21.22	21.20	22	0		
10	16QAM	50	0	21.03	21.24	21.09				
10	64QAM	1	0	21.12	21.30	21.27				
10	64QAM	1	25	21.15	21.13	21.25	22	0		
10	64QAM	1	49	21.13	21.17	21.21				
10	64QAM	25	0	20.54	20.67	20.71				
10	64QAM	25	12	20.54	20.72	20.67	21.5	0.5		
10	64QAM	25	25	20.59	20.73	20.57				
10	64QAM	50	0	20.55	20.68	20.63				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	21.19	21.30	21.29	22	0		
5	QPSK	1	12	21.10	21.13	21.17				
5	QPSK	1	24	21.15	21.15	21.19				
5	QPSK	12	0	21.13	21.33	21.16	22	0		
5	QPSK	12	7	21.18	21.25	21.10				
5	QPSK	12	13	21.05	21.19	21.15				
5	QPSK	25	0	21.11	21.21	21.16	22	0		
5	16QAM	1	0	21.17	21.19	21.12				
5	16QAM	1	12	21.07	21.26	21.23				
5	16QAM	1	24	21.18	21.26	21.05	22	0		
5	16QAM	12	0	21.11	21.27	21.27				
5	16QAM	12	7	21.15	21.24	21.08				
5	16QAM	12	13	21.02	21.23	21.19	22	0		
5	16QAM	25	0	21.08	21.20	21.05				
5	64QAM	1	0	21.08	21.22	21.22				
5	64QAM	1	12	21.15	21.18	21.24	22	0		
5	64QAM	1	24	21.17	21.17	21.25				
5	64QAM	12	0	20.47	20.71	20.64				
5	64QAM	12	7	20.57	20.71	20.66	21.5	0.5		
5	64QAM	12	13	20.58	20.73	20.68				
5	64QAM	25	0	20.61	20.64	20.58				

Band 7_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	21.15	21.20	21.12	22	0		
20	QPSK	1	49	21.11	21.10	21.03				
20	QPSK	1	99	21.12	21.14	21.08				
20	QPSK	50	0	21.12	21.18	21.10	22	0		
20	QPSK	50	24	21.07	21.15	21.05				
20	QPSK	50	50	21.09	21.12	21.02				
20	QPSK	100	0	21.05	21.15	21.11	22	0		
20	16QAM	1	0	21.03	21.08	21.08				
20	16QAM	1	49	21.13	21.06	21.11				
20	16QAM	1	99	21.11	21.11	21.01	22	0		
20	16QAM	50	0	21.08	21.08	20.97				
20	16QAM	50	24	21.10	21.10	21.04				
20	16QAM	50	50	21.02	21.06	21.00	22	0		
20	16QAM	100	0	21.05	21.07	21.03				
20	64QAM	1	0	21.12	21.08	21.02				
20	64QAM	1	49	21.00	21.17	21.10	22	0		
20	64QAM	1	99	21.11	21.13	21.11				
20	64QAM	50	0	20.53	20.51	20.43				
20	64QAM	50	24	20.48	20.51	20.45	21.5	0.5		
20	64QAM	50	50	20.58	20.51	20.41				
20	64QAM	100	0	20.54	20.51	20.41				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.02	21.18	21.10	22	0		
15	QPSK	1	37	21.00	20.97	20.94				
15	QPSK	1	74	21.01	21.07	20.99				
15	QPSK	36	0	20.97	21.05	21.09	22	0		
15	QPSK	36	20	21.04	21.09	21.01				
15	QPSK	36	39	20.98	21.02	20.93				
15	QPSK	75	0	20.99	21.03	21.06	22	0		
15	16QAM	1	0	21.02	21.06	21.07				
15	16QAM	1	37	20.98	20.98	21.08				
15	16QAM	1	74	21.01	20.98	20.96	22	0		
15	16QAM	36	0	21.05	21.01	20.84				
15	16QAM	36	20	20.95	21.05	21.02				
15	16QAM	36	39	20.92	20.96	20.99	22	0		
15	16QAM	75	0	20.95	20.99	20.96				
15	64QAM	1	0	21.11	21.09	20.91				
15	64QAM	1	37	20.91	21.05	21.04	22	0		
15	64QAM	1	74	21.06	21.02	21.04				
15	64QAM	36	0	20.48	20.45	20.37				
15	64QAM	36	20	20.41	20.36	20.41	21.5	0.5		
15	64QAM	36	39	20.49	20.36	20.37				
15	64QAM	75	0	20.46	20.43	20.30				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	21.11	21.11	21.15	22	0		
10	QPSK	1	25	21.00	21.09	21.10				
10	QPSK	1	49	21.11	21.03	20.94				
10	QPSK	25	0	21.02	21.07	20.97	22	0		
10	QPSK	25	12	21.06	21.12	20.93				
10	QPSK	25	25	20.96	20.97	20.91				
10	QPSK	50	0	21.03	21.02	21.08	22	0		
10	16QAM	1	0	20.91	20.93	21.04				
10	16QAM	1	25	21.01	21.03	21.07				
10	16QAM	1	49	21.07	20.96	20.98	22	0		
10	16QAM	25	0	21.04	21.05	20.84				
10	16QAM	25	12	21.07	21.06	20.93				
10	16QAM	25	25	20.89	21.00	20.85	22	0		
10	16QAM	50	0	21.03	20.98	21.02				
10	64QAM	1	0	21.06	20.96	20.95				
10	64QAM	1	25	20.98	21.07	21.02	22	0		
10	64QAM	1	49	20.99	21.09	21.06				
10	64QAM	25	0	20.38	20.48	20.35				
10	64QAM	25	12	20.46	20.37	20.32	21.5	0.5		
10	64QAM	25	25	20.46	21.02	20.28				
10	64QAM	50	0	20.42	20.46	20.31				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	21.04	21.14	21.10	22	0		
5	QPSK	1	12	21.06	21.05	20.96				
5	QPSK	1	24	20.98	21.01	21.00				
5	QPSK	12	0	21.09	21.07	21.09	22	0		
5	QPSK	12	7	20.97	21.12	21.00				
5	QPSK	12	13	21.01	21.09	20.87				
5	QPSK	25	0	20.94	21.05	21.05	22	0		
5	16QAM	1	0	20.88	21.02	20.95				
5	16QAM	1	12	21.11	21.07	21.09				
5	16QAM	1	24	21.01	21.06	20.96	22	0		
5	16QAM	12	0	21.04	20.95	20.91				
5	16QAM	12	7	20.95	21.01	20.91				
5	16QAM	12	13	20.99	20.94	20.86	22	0		
5	16QAM	25	0	20.91	21.03	20.94				
5	64QAM	1	0	21.10	21.03	20.87				
5	64QAM	1	12	20.87	21.13	21.09	22	0		
5	64QAM	1	24	21.05	21.06	21.02				
5	64QAM	12	0	20.45	20.46	20.38				
5	64QAM	12	7	20.42	20.45	20.36	21.5	0.5		
5	64QAM	12	13	20.47	20.37	20.30				
5	64QAM	25	0	20.44	20.41	20.35				

Band 12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24.5	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69				
10	QPSK	1	25	23.60	23.64	23.54	23.5	1		
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.95	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99	23.5	1		
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.99	22.76	22.64				
10	16QAM	25	0	21.52	21.64	21.46	22.5	2		
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44				
10	16QAM	50	0	21.56	21.56	21.44	22.5	2		
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49	21.5	3		
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23165				
Frequency (MHz)				703.5	707.5	713.5	24.5	0		
5	QPSK	1	0	23.55	23.70	23.57				
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28	23.5	1		
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31	23.5	1		
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.87	22.57	22.90				
5	16QAM	1	12	22.87	22.61	22.67	22.5	2		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.29	22.5	2		
5	16QAM	12	13	21.54	21.43	21.29				
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81	22.5	2		
5	64QAM	1	12	21.81	21.88	21.74				
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40	21.5	3		
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.58	23.63	23.68	24.5	0		
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48	23.5	1		
3	QPSK	8	4	22.46	22.42	22.45				
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40	23.5	1		
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.68				
3	16QAM	1	14	22.93	22.66	22.55	22.5	2		
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41	22.5	2		
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.81	21.83	21.74	21.5	3		
3	64QAM	1	14	21.68	21.66	21.83				
3	64QAM	8	0	20.52	20.40	20.43				
3	64QAM	8	4	20.48	20.48	20.34	21.5	3		
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173	24.5	0		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67				
1.4	QPSK	1	3	23.57	23.60	23.40	23.5	1		
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.62	23.48	23.5	1		
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88	23.5	1		
1.4	16QAM	1	3	22.80	22.55	22.61				
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.89	22.48	22.93	22.5	2		
1.4	16QAM	3	1	22.93	22.59	22.63				
1.4	16QAM	3	3	22.85	22.62	22.56				
1.4	16QAM	6	0	21.52	21.51	21.37	21.5	3		
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82	21.5	3		
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73	21.5	3		
1.4	64QAM	6	0	20.52	20.45	20.44				

Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.35	23.40	23.38	24.5	1	
10	QPSK	1	25	23.33	23.36	23.20			
10	QPSK	1	49	23.30	23.23	23.34			
10	QPSK	25	0	22.31	22.33	22.28	23.5	1	
10	QPSK	25	12	22.25	22.31	22.25			
10	QPSK	25	25	22.29	22.21	22.25			
10	QPSK	50	0	22.23	22.25	22.21	23.5	1	
10	16QAM	1	0	22.45	22.25	22.50			
10	16QAM	1	25	22.58	22.41	22.60			
10	16QAM	1	49	22.43	22.42	22.61	22.5	2	
10	16QAM	25	0	21.19	21.21	21.19			
10	16QAM	25	12	21.18	21.32	21.23			
10	16QAM	25	25	21.22	21.27	21.18	22.5	2	
10	16QAM	50	0	21.20	21.29	21.19			
10	64QAM	1	0	21.46	21.32	21.38			
10	64QAM	1	25	21.40	21.52	21.54	21.5	3	
10	64QAM	1	49	21.52	21.34	21.56			
10	64QAM	25	0	20.30	20.16	20.25			
10	64QAM	25	12	20.23	20.22	20.29	21.5	3	
10	64QAM	25	25	20.32	20.22	20.26			
10	64QAM	50	0	20.23	20.20	20.24			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.33	23.35	23.24	24.5	0	
5	QPSK	1	12	23.35	23.36	23.09			
5	QPSK	1	24	23.36	23.10	23.23			
5	QPSK	12	0	22.26	22.18	22.22	23.5	1	
5	QPSK	12	7	22.16	22.27	22.18			
5	QPSK	12	13	22.16	22.18	22.22			
5	QPSK	25	0	22.17	22.23	22.12	23.5	1	
5	16QAM	1	0	22.39	22.17	22.48			
5	16QAM	1	12	22.57	22.40	22.52			
5	16QAM	1	24	22.41	22.34	22.46	22.5	2	
5	16QAM	12	0	21.12	21.14	21.07			
5	16QAM	12	7	21.12	21.19	21.11			
5	16QAM	12	13	21.11	21.15	21.09	22.5	2	
5	16QAM	25	0	21.14	21.24	21.12			
5	64QAM	1	0	21.45	21.20	21.35			
5	64QAM	1	12	21.29	21.40	21.44	22.5	2	
5	64QAM	1	24	21.41	21.27	21.54			
5	64QAM	12	0	20.17	20.09	20.13			
5	64QAM	12	7	20.21	20.10	20.28	21.5	3	
5	64QAM	12	13	20.23	20.19	20.24			
5	64QAM	25	0	20.17	20.06	20.13			

Band 26(FCC)_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				26765	26865	26965	24.5	0			
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	23.82	23.92	23.85	23.5	1			
15	QPSK	1	37	23.72	23.88	23.82					
15	QPSK	1	74	23.77	23.89	23.79	23.5	1			
15	QPSK	36	0	22.77	22.88	22.82					
15	QPSK	36	20	22.71	22.83	22.78	23.5	1			
15	QPSK	36	39	22.74	22.82	22.75					
15	QPSK	75	0	22.71	22.84	22.80	23.5	1			
15	16QAM	1	0	22.99	23.05	23.11					
15	16QAM	1	37	22.80	23.08	22.90	23.5	1			
15	16QAM	1	74	23.00	23.02	23.10					
15	16QAM	36	0	21.65	21.78	21.86	22.5	2			
15	16QAM	36	20	21.76	21.83	21.94					
15	16QAM	36	39	21.76	21.86	21.83	22.5	2			
15	16QAM	75	0	21.75	21.87	21.91					
15	64QAM	1	0	21.90	22.11	22.08	22.5	2			
15	64QAM	1	37	22.08	22.15	22.05					
15	64QAM	1	74	22.13	22.15	22.06	21.5	3			
15	64QAM	36	0	20.77	20.77	20.90					
15	64QAM	36	20	20.74	20.82	20.87	21.5	3			
15	64QAM	36	39	20.82	20.84	20.90					
15	64QAM	75	0	20.73	20.84	20.88					
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844	24.5	0			
10	QPSK	1	0	23.75	23.83	23.77					
10	QPSK	1	25	23.64	23.84	23.68	23.5	1			
10	QPSK	1	49	23.63	23.83	23.69					
10	QPSK	25	0	22.68	22.76	22.65	23.5	1			
10	QPSK	25	12	22.68	22.78	22.73					
10	QPSK	25	25	22.73	22.79	22.73	23.5	1			
10	QPSK	50	0	22.59	22.80	22.68					
10	16QAM	1	0	22.95	23.03	23.10	22.5	2			
10	16QAM	1	25	22.70	23.03	22.76					
10	16QAM	1	49	22.99	23.01	23.05	22.5	2			
10	16QAM	25	0	21.52	21.67	21.75					
10	16QAM	25	12	21.69	21.69	21.87	22.5	2			
10	16QAM	25	25	21.65	21.71	21.71					
10	16QAM	50	0	21.74	21.73	21.88	22.5	2			
10	64QAM	1	0	21.89	22.04	22.00					
10	64QAM	1	25	21.98	21.92	21.97	21.5	3			
10	64QAM	1	49	22.00	22.05	22.03					
10	64QAM	25	0	20.70	20.62	20.80	21.5	3			
10	64QAM	25	12	20.61	20.70	20.84					
10	64QAM	25	25	20.71	20.79	20.85					
10	64QAM	50	0	20.65	20.77	20.74					
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				816.5	831.5	846.5	24.5 <th colspan="2" rowspan="2">0</th>	0			
5	QPSK	1	0	23.79	23.90	23.77					
5	QPSK	1	12	23.70	23.86	23.81	23.5	1			
5	QPSK	1	24	23.75	23.81	23.66					
5	QPSK	12	0	22.63	22.78	22.72	23.5	1			
5	QPSK	12	7	22.61	22.68	22.66					
5	QPSK	12	13	22.71	22.68	22.71	23.5	1			
5	QPSK	25	0	22.61	22.82	22.78					
5	16QAM	1	0	22.96	22.95	23.05	22.5	2			
5	16QAM	1	12	22.69	22.99	22.75					
5	16QAM	1	24	22.91	22.92	23.06	22.5	2			
5	16QAM	12	0	21.60	21.64	21.80					
5	16QAM	12	7	21.67	21.68	21.89	22.5	2			
5	16QAM	12	13	21.71	21.85	21.79					
5	16QAM	25	0	21.66	21.76	21.89	22.5	2			
5	64QAM	1	0	21.76	22.00	22.05					
5	64QAM	1	12	22.04	21.81	21.94	21.5	3			
5	64QAM	1	24	22.05	22.09	22.04					
5	64QAM	12	0	20.67	20.72	20.85	21.5	3			
5	64QAM	12	7	20.73	20.79	20.78					
5	64QAM	12	13	20.74	20.78	20.80					
5	64QAM	25	0	20.72	20.83	20.80					
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				815.5	831.5	847.5	24.5 <th colspan="2" rowspan="2">0</th>	0			
3	QPSK	1	0	23.72	23.84	23.73					
3	QPSK	1	8	23.61	23.82	23.72	23.5	1			
3	QPSK	1	14	23.70	23.88	23.73					
3	QPSK	8	0	22.75	22.85	22.71	23.5	1			
3	QPSK	8	4	22.63	22.76	22.75					
3	QPSK	8	7	22.59	22.69	22.68	23.5	1			
3	QPSK	15	0	22.70	22.80	22.76					
3	16QAM	1	0	22.85	23.03	23.09	23.5	1			
3	16QAM	1	8	22.67	22.98	22.85					
3	16QAM	1	14	22.88	22.88	22.97	22.5	2			
3	16QAM	8	0	21.50	21.63	21.79					
3	16QAM	8	4	21.69	21.68	21.93	22.5	2			
3	16QAM	8	7	21.66	21.73	21.76					
3	16QAM	15	0	21.63	21.73	21.78	22.5	2			
3	64QAM	1	0	21.82	21.98	21.99					
3	64QAM	1	8	21.98	21.84	21.95	21.5	3			
3	64QAM	1	14	22.00	22.08	22.00					
3	64QAM	8	0	20.62	20.62	20.78	21.5	3			
3	64QAM	8	4	20.61	20.81	20.78					
3	64QAM	8	7	20.71	20.74	20.80					
3	64QAM	15	0	20.72	20.73	20.84					
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				814.7	831.5	848.3	24.5 <th colspan="2" rowspan="2">0</th>	0			
1.4	QPSK	1	0	23.73	23.80	23.77					
1.4	QPSK	1	3	23.59	23.79	23.73	23.5	1			
1.4	QPSK	1	5	23.65	23.74	23.75					
1.4	QPSK	3	0	23.72	23.77	23.77	23.5	1			
1.4	QPSK	3	1	23.63	23.78	23.72					
1.4	QPSK	3	3	23.63	23.82	23.77	23.5	1			
1.4	QPSK	6	0	22.64	22.70	22.76					
1.4	16QAM	1	0	22.87	23.02	23.03	23.5	1			
1.4	16QAM	1	3	22.65	22.94	22.88					
1.4	16QAM	1	5	22.99	22.89	22.97	22.5	2			
1.4	16QAM	3	0	22.95	22.94	23.10					
1.4	16QAM	3	1	22.68	23.03	22.79	22.5	2			
1.4	16QAM	3	3	22.94	22.93	23.07					
1.4	16QAM	6	0	21.71	21.75	21.81	22.5	2			
1.4	64QAM	1	0	21.81	21.97	22.04					
1.4	64QAM	1	3	22.00	21.87	22.00	22.5	2			
1.4	64QAM	1	5	22.01	22.08	22.01					
1.4	64QAM	3	0	21.89	22.07	21.98	21.5	3			
1.4	64QAM	3	1	21.94	21.87	21.93					
1.4	64QAM	3	3	22.10	22.09	21.97	21.5	3			
1.4	64QAM	6	0	20.68	20.73	20.80					

Band 26(FCC)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				26765	26865	26965	24.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.72	23.75	23.69	23.5	1	
15	QPSK	1	37	23.47	23.57	23.58			
15	QPSK	1	74	23.46	23.55	23.66			
15	QPSK	36	0	22.62	22.66	22.55			
15	QPSK	36	20	22.60	22.51	22.53	23.5	1	
15	QPSK	36	39	22.53	22.46	22.48			
15	QPSK	75	0	22.60	22.62	22.58			
15	16QAM	1	0	23.72	23.75	23.69			
15	16QAM	1	37	23.00	22.97	22.93	23.5	1	
15	16QAM	1	74	22.85	22.98	22.82			
15	16QAM	36	0	21.64	21.53	21.45			
15	16QAM	36	20	21.67	21.47	21.51			
15	16QAM	36	39	21.53	21.47	21.55	22.5	2	
15	16QAM	75	0	21.57	21.48	21.59			
15	16QAM	1	0	21.63	21.37	21.52			
15	16QAM	1	37	21.62	21.60	21.57			
15	16QAM	1	74	21.59	21.56	21.60	22.5	2	
15	16QAM	36	0	20.60	20.52	20.54			
15	16QAM	36	20	20.60	20.49	20.57			
15	16QAM	36	39	20.51	20.55	20.58			
15	16QAM	75	0	20.55	20.48	20.57	21.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.69	23.67	23.63			
10	QPSK	1	25	23.40	23.54	23.55			
10	QPSK	1	49	23.33	23.44	23.65			
10	QPSK	25	0	22.66	22.66	22.46			
10	QPSK	25	12	22.57	22.44	22.51	23.5	1	
10	QPSK	25	25	22.42	22.37	22.36			
10	QPSK	50	0	22.56	22.55	22.46			
10	16QAM	1	0	22.71	22.88	22.88			
10	16QAM	1	25	22.92	22.82	22.78	23.5	1	
10	16QAM	1	49	22.77	22.82	22.81			
10	16QAM	25	0	21.49	21.52	21.38			
10	16QAM	25	12	21.45	21.36	21.44			
10	16QAM	25	25	21.52	21.52	21.44	22.5	2	
10	16QAM	50	0	21.42	21.47	21.49			
10	16QAM	1	0	21.51	21.33	21.41			
10	16QAM	1	25	21.52	21.46	21.42			
10	16QAM	1	49	21.56	21.51	21.45	22.5	2	
10	16QAM	25	0	20.45	20.47	20.46			
10	16QAM	25	12	20.49	20.35	20.43			
10	16QAM	25	25	20.42	20.50	20.46			
10	16QAM	50	0	20.42	20.50	20.46	21.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				810.5	831.5	840.5			
5	QPSK	1	0	23.71	23.71	23.63			
5	QPSK	1	12	23.36	23.52	23.57			
5	QPSK	1	24	23.32	23.46	23.64			
5	QPSK	12	0	22.58	22.64	22.52			
5	QPSK	12	7	22.45	22.41	22.50	23.5	1	
5	QPSK	12	13	22.50	22.31	22.40			
5	QPSK	25	0	22.51	22.49	22.56			
5	16QAM	1	0	22.62	22.97	22.90			
5	16QAM	1	12	22.96	22.92	22.87	23.5	1	
5	16QAM	1	24	22.79	22.95	22.76			
5	16QAM	12	0	21.55	21.39	21.43			
5	16QAM	12	7	21.55	21.40	21.48			
5	16QAM	12	13	21.43	21.45	21.51	22.5	2	
5	16QAM	25	0	21.43	21.45	21.45			
5	16QAM	1	0	21.51	21.24	21.43			
5	16QAM	1	12	21.49	21.52	21.43			
5	16QAM	1	24	21.44	21.48	21.49	22.5	2	
5	16QAM	12	0	20.59	20.38	20.39			
5	16QAM	12	7	20.59	20.34	20.43			
5	16QAM	12	13	20.39	20.46	20.48			
5	16QAM	25	0	20.50	20.46	20.55	21.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				810.5	831.5	847.5			
3	QPSK	1	0	23.61	23.63	23.56			
3	QPSK	1	8	23.32	23.48	23.46			
3	QPSK	1	14	23.34	23.53	23.58			
3	QPSK	8	0	22.56	22.51	22.54			
3	QPSK	8	8	22.46	22.41	22.39	23.5	1	
3	QPSK	8	7	22.42	22.32	22.41			
3	QPSK	15	0	22.49	22.56	22.49			
3	16QAM	1	0	22.68	22.92	22.91			
3	16QAM	1	8	22.99	22.87	22.94	23.5	1	
3	16QAM	1	14	22.84	22.92	22.74			
3	16QAM	8	0	21.53	21.40	21.42			
3	16QAM	8	4	21.55	21.45	21.36			
3	16QAM	8	14	21.41	21.42	21.42	22.5	2	
3	16QAM	15	0	21.44	21.37	21.45			
3	16QAM	1	0	21.48	21.31	21.51			
3	16QAM	1	8	21.56	21.56	21.44			
3	16QAM	1	14	21.46	21.53	21.49	22.5	2	
3	16QAM	8	0	20.48	20.49	20.47			
3	16QAM	8	4	20.46	20.47	20.49			
3	16QAM	8	7	20.42	20.53	20.55			
3	16QAM	15	0	20.44	20.37	20.52	21.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				813.7	831.5	848.3			
1.4	QPSK	1	0	23.71	23.71	23.67			
1.4	QPSK	1	3	23.46	23.55	23.46			
1.4	QPSK	1	5	23.39	23.47	23.54			
1.4	QPSK	3	0	23.58	23.66	23.59			
1.4	QPSK	3	1	23.46	23.56	23.46	23.5	1	
1.4	QPSK	3	3	23.43	23.50	23.53			
1.4	QPSK	6	0	22.55	22.53	22.55			
1.4	16QAM	1	0	22.65	22.98	22.95			
1.4	16QAM	1	3	22.99	22.94	22.80	23.5	1	
1.4	16QAM	1	5	22.75	22.86	22.81			
1.4	16QAM	3	0	22.66	22.88	22.91			
1.4	16QAM	3	1	22.90	22.87	22.90			
1.4	16QAM	3	3	22.84	22.89	22.74	22.5	2	
1.4	16QAM	6	0	21.55	21.36	21.46			
1.4	16QAM	1	0	21.53	21.29	21.42			
1.4	16QAM	1	3	21.57	21.59	21.55			
1.4	16QAM	5	5	21.58	21.55	21.48	22.5	2	
1.4	16QAM	3	3	21.51	21.51	21.39			
1.4	16QAM	3	1	21.53	21.54	21.52			
1.4	16QAM	3	3	21.51	21.41	21.55			
1.4	16QAM	6	0	20.48	20.43	20.49	21.5	3	

Band 66_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.47	23.48	23.45	24.5	0		
20	QPSK	1	49	23.38	23.39	23.40				
20	QPSK	1	99	23.11	23.29	23.21				
20	QPSK	50	0	22.45	22.46	22.38	23.5	1		
20	QPSK	50	24	22.44	22.39	22.34				
20	QPSK	50	50	22.37	22.31	22.35				
20	QPSK	100	0	22.35	22.43	22.33	23.5	1		
20	16QAM	1	0	22.58	22.46	22.66				
20	16QAM	1	49	22.65	22.30	22.60				
20	16QAM	1	99	22.40	22.46	22.57	22.5	2		
20	16QAM	50	0	21.41	21.42	21.41				
20	16QAM	50	24	21.47	21.42	21.30				
20	16QAM	50	50	21.32	21.32	21.30	22.5	2		
20	16QAM	100	0	21.38	21.33	21.31				
20	64QAM	1	0	21.51	21.58	21.53				
20	64QAM	1	49	21.71	21.70	21.60	22.5	2		
20	64QAM	1	99	21.50	21.49	21.55				
20	64QAM	50	0	20.49	20.42	20.39				
20	64QAM	50	24	20.40	20.39	20.37	21.5	3		
20	64QAM	50	50	20.35	20.37	20.38				
20	64QAM	100	0	20.37	20.36	20.40				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	23.38	23.36	23.42	24.5	0		
15	QPSK	1	37	23.34	23.34	23.34				
15	QPSK	1	74	23.04	23.18	23.16				
15	QPSK	36	0	22.33	22.32	22.32	23.5	1		
15	QPSK	36	20	22.34	22.36	22.32				
15	QPSK	36	39	22.34	22.29	22.20				
15	QPSK	75	0	22.31	22.40	22.39	23.5	1		
15	16QAM	1	0	22.47	22.33	22.56				
15	16QAM	1	37	22.55	22.15	22.58				
15	16QAM	1	74	22.35	22.45	22.53	22.5	2		
15	16QAM	36	0	21.29	21.35	21.26				
15	16QAM	36	20	21.46	21.30	21.15				
15	16QAM	36	39	21.30	21.29	21.29	22.5	2		
15	16QAM	75	0	21.33	21.20	21.29				
15	64QAM	1	0	21.37	21.48	21.40				
15	64QAM	1	37	21.63	21.55	21.46	22.5	2		
15	64QAM	1	74	21.41	21.44	21.52				
15	64QAM	36	0	20.34	20.33	20.36				
15	64QAM	36	20	20.33	20.25	20.22	21.5	3		
15	64QAM	36	39	20.23	20.31	20.27				
15	64QAM	75	0	20.32	20.25	20.29				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.36	23.39	23.31	24.5	0		
10	QPSK	1	25	23.31	23.36	23.32				
10	QPSK	1	49	23.07	23.14	23.17				
10	QPSK	25	0	22.44	22.33	22.27	23.5	1		
10	QPSK	25	12	22.30	22.36	22.28				
10	QPSK	25	25	22.24	22.26	22.34				
10	QPSK	50	0	22.32	22.36	22.18	23.5	1		
10	16QAM	1	0	22.48	22.43	22.55				
10	16QAM	1	25	22.54	22.15	22.54				
10	16QAM	1	49	22.37	22.45	22.45	22.5	2		
10	16QAM	25	0	21.34	21.40	21.30				
10	16QAM	25	12	21.39	21.41	21.24				
10	16QAM	25	25	21.28	21.36	21.28	22.5	2		
10	16QAM	50	0	21.27	21.29	21.20				
10	64QAM	1	0	21.46	21.55	21.44				
10	64QAM	1	25	21.62	21.61	21.54	22.5	2		
10	64QAM	1	49	21.39	21.40	21.48				
10	64QAM	25	0	20.44	20.35	20.31				
10	64QAM	25	12	20.39	20.24	20.36	21.5	3		
10	64QAM	25	25	20.25	20.28	20.23				
10	64QAM	50	0	20.34	20.27	20.20				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	0	23.33	23.33	23.43	24.5	0		
5	QPSK	1	12	23.24	23.29	23.36				
5	QPSK	1	24	23.05	23.19	23.17				
5	QPSK	12	0	22.34	22.34	22.24	23.5	1		
5	QPSK	12	7	22.41	22.24	22.25				
5	QPSK	12	13	22.32	22.25	22.26				
5	QPSK	25	0	22.24	22.39	22.19	23.5	1		
5	16QAM	1	0	22.51	22.39	22.56				
5	16QAM	1	12	22.59	22.26	22.48				
5	16QAM	1	24	22.27	22.40	22.55	22.5	2		
5	16QAM	12	0	21.29	21.27	21.31				
5	16QAM	12	7	21.45	21.39	21.26				
5	16QAM	12	13	21.21	21.30	21.27	22.5	2		
5	16QAM	25	0	21.25	21.23	21.25				
5	64QAM	1	0	21.46	21.48	21.49				
5	64QAM	1	12	21.61	21.66	21.53	22.5	2		
5	64QAM	1	24	21.38	21.37	21.40				
5	64QAM	12	0	20.46	20.29	20.27				
5	64QAM	12	7	20.29	20.34	20.24	21.5	3		
5	64QAM	12	13	20.21	20.22	20.25				
5	64QAM	25	0	20.33	20.35	20.32				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1779.5				
3	QPSK	1	0	23.42	23.37	23.39	24.5	0		
3	QPSK	1	8	23.24	23.34	23.33				
3	QPSK	1	14	23.10	23.16	23.07				
3	QPSK	8	0	22.36	22.33	22.28	23.5	1		
3	QPSK	8	4	22.31	22.25	22.24				
3	QPSK	8	7	22.31	22.21	22.25				
3	QPSK	15	0	22.29	22.30	22.23	23.5	1		
3	16QAM	1	0	22.49	22.35	22.52				
3	16QAM	1	8	22.63	22.25	22.55				
3	16QAM	1	14	22.25	22.42	22.42	22.5	2		
3	16QAM	8	0	21.26	21.38	21.31				
3	16QAM	8	4	21.35	21.28	21.24				
3	16QAM	8	7	21.32	21.31	21.17	22.5	2		
3	16QAM	15	0	21.34	21.29	21.23				
3	64QAM	1	0	21.40	21.49	21.44				
3	64QAM	1	8	21.58	21.58	21.53	22.5	2		
3	64QAM	1	14	21.36	21.35	21.51				
3	64QAM	8	0	20.48	20.41	20.29				
3	64QAM	8	4	20.29	20.36	20.30	21.5	3		
3	64QAM	8	7	20.34	20.30	20.23				
3	64QAM	15	0	20.26	20.25	20.30				
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.41	23.38	23.39	24.5	0		
1.4	QPSK	1	3	23.30	23.33	23.38				
1.4	QPSK	1	3	23.30	23.33	23.38				
1.4	QPSK	3	0	23.41	23.45	23.36	23.5	1		
1.4	QPSK	3	1	23.32	23.24	23.35				
1.4	QPSK	3	3	22.97	23.26	23.15				
1.4	QPSK	6	0	22.29	22.29	22.20	23.5	1		
1.4	16QAM	1	0	22.53	22.42	22.56				
1.4	16QAM	1	3	22.52	22.15	22.55				
1.4	16QAM	1	5	22.45	22.36	22.58	23.5	1		
1.4	16QAM	3	0	22.45	22.40	22.65				
1.4	16QAM	3	1	22.55	22.26	22.58				
1.4	16QAM	3	3	22.35	22.39	22.42	22.5	2		
1.4	16QAM	6	0	21.24	21.29	21.23				
1.4	64QAM	1	0	21.43	21.45	21.41				
1.4	64QAM	1	3	21.68	21.69	21.54	22.5	2		
1.4	64QAM	1	5	21.38	21.41	21.44				
1.4	64QAM	3	0	21.47	21.57	21.52				
1.4	64QAM	3	1	21.64	21.58	21.44	21.5	3		
1.4	64QAM	3	3	21.38	21.47	21.49				
1.4	64QAM	6	0	20.29	20.27	20.34				

LTE Band 71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.50			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.30			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.62	21.55	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.49	23.5	1	
10	QPSK	25	12	22.46	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.99	21.49	21.32			
10	64QAM	1	0	21.55	21.59	21.62			
10	64QAM	1	25	21.79	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.45			
Channel				133147	133297	133447	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.66	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	1	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 38_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	21.30	21.35	21.27	22.5	0			
20	QPSK	1	49	21.22	21.31	21.17					
20	QPSK	1	99	21.27	21.28	21.14					
20	QPSK	36	0	21.15	21.16	21.03					
20	QPSK	50	0	21.15	21.20	21.15	22.5	0			
20	QPSK	50	24	21.15	21.24	21.19					
20	QPSK	100	0	21.22	21.27	21.20					
20	16QAM	1	0	21.15	21.28	21.14					
20	16QAM	1	49	21.26	21.28	21.23	22.5	0			
20	16QAM	1	99	21.17	21.30	21.18					
20	16QAM	50	0	21.24	21.20	21.12					
20	16QAM	50	24	21.28	21.21	21.21					
20	16QAM	50	50	21.17	21.24	21.12	22.5	0			
20	16QAM	100	0	21.16	21.22	21.17					
20	64QAM	1	0	20.74	20.84	20.90					
20	64QAM	1	49	20.95	21.05	21.06	22.5	0			
20	64QAM	1	99	21.01	20.99	21.12					
20	64QAM	50	0	20.15	20.15	20.21					
20	64QAM	50	24	20.15	20.22	20.31					
20	64QAM	50	50	20.23	20.26	20.40	21.5	1			
20	64QAM	100	0	20.18	20.21	20.29					
Channel				37875	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	21.20	21.34	21.26	22.5	0			
15	QPSK	1	37	21.07	21.16	21.06					
15	QPSK	1	74	21.17	21.22	21.06					
15	QPSK	36	0	21.15	21.19	21.20					
15	QPSK	36	20	21.11	21.18	21.10	22.5	0			
15	QPSK	36	39	21.10	21.23	21.05					
15	QPSK	75	0	21.07	21.23	21.08					
15	16QAM	1	0	21.02	21.15	21.10					
15	16QAM	1	37	21.02	21.13	21.10	22.5	0			
15	16QAM	1	74	21.11	21.19	21.16					
15	16QAM	36	0	21.20	21.08	21.11					
15	16QAM	36	20	21.26	21.18	21.13					
15	16QAM	36	39	21.03	21.14	20.99	22.5	0			
15	16QAM	75	0	21.09	21.14	21.13					
15	64QAM	1	0	20.64	20.70	20.89					
15	64QAM	1	37	20.88	20.92	20.99					
15	64QAM	1	74	20.94	20.96	21.09	21.5	1			
15	64QAM	36	0	20.07	20.10	20.15					
15	64QAM	36	20	20.01	20.15	20.21					
15	64QAM	36	39	20.16	20.12	20.33					
15	64QAM	75	0	20.13	20.18	20.26	Tune-up limit (dBm)		MPR (dB)		
Channel				37850	38000	38175					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	21.29	21.27	21.14	22.5	0			
10	QPSK	1	25	21.18	21.20	21.05					
10	QPSK	1	49	21.17	21.13	21.11					
10	QPSK	25	0	21.17	21.29	21.13					
10	QPSK	25	12	21.12	21.05	21.02	22.5	0			
10	QPSK	25	25	21.12	21.22	21.16					
10	QPSK	50	0	21.11	21.26	21.17					
10	16QAM	1	0	21.07	21.25	21.06					
10	16QAM	1	25	21.17	21.19	21.22	22.5	0			
10	16QAM	1	49	21.02	21.21	21.10					
10	16QAM	25	0	21.12	21.15	21.01					
10	16QAM	25	12	21.21	21.14	21.06					
10	16QAM	25	25	21.16	21.12	21.06	22.5	0			
10	16QAM	50	0	21.03	21.11	21.09					
10	64QAM	1	0	20.61	20.63	20.78					
10	64QAM	1	25	20.92	20.96	21.05					
10	64QAM	1	49	20.91	20.86	21.03	21.5	1			
10	64QAM	25	0	20.10	20.14	20.19					
10	64QAM	25	12	20.02	20.12	20.25					
10	64QAM	25	25	20.16	20.20	20.36					
10	64QAM	50	0	20.07	20.10	20.27	Tune-up limit (dBm)		MPR (dB)		
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	21.27	21.20	21.21	22.5	0			
5	QPSK	1	12	21.13	21.16	21.14					
5	QPSK	1	24	21.22	21.15	21.07					
5	QPSK	12	0	21.20	21.16	21.18					
5	QPSK	12	7	21.07	21.07	21.03	22.5	0			
5	QPSK	12	13	21.13	21.19	21.08					
5	QPSK	25	0	21.15	21.18	21.11					
5	16QAM	1	0	21.00	21.26	21.03					
5	16QAM	1	12	21.12	21.26	21.08	22.5	0			
5	16QAM	1	24	21.02	21.19	21.17					
5	16QAM	12	0	21.23	21.06	21.01					
5	16QAM	12	7	21.15	21.19	21.12					
5	16QAM	12	13	21.08	21.13	21.06	22.5	0			
5	16QAM	25	0	21.09	21.07	21.12					
5	64QAM	1	0	20.62	20.61	20.86					
5	64QAM	1	12	20.63	21.03	20.95					
5	64QAM	1	24	20.94	20.96	21.07	21.5	1			
5	64QAM	12	0	20.12	20.12	20.20					
5	64QAM	12	7	20.07	20.07	20.16					
5	64QAM	12	13	20.12	20.19	20.29					
5	64QAM	25	0	20.04	20.19	20.23	Tune-up limit (dBm)		MPR (dB)		

Band 38_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	21.60	21.70	21.55	22.5	0			
20	QPSK	1	49	21.58	21.67	21.62					
20	QPSK	1	99	21.45	21.67	21.54					
20	QPSK	50	0	21.65	21.67	21.63					
20	QPSK	50	24	21.53	21.65	21.59	22.5	0			
20	QPSK	50	50	21.53	21.60	21.62					
20	QPSK	100	0	21.56	21.65	21.63					
20	16QAM	1	0	21.52	21.64	21.55					
20	16QAM	1	49	21.53	21.69	21.52	22.5	0			
20	16QAM	1	99	21.50	21.61	21.53					
20	16QAM	50	0	21.59	21.65	21.51					
20	16QAM	50	24	21.48	21.68	21.60					
20	16QAM	50	50	21.35	21.56	21.54	22.5	0			
20	16QAM	100	0	21.47	21.64	21.55					
20	64QAM	1	0	21.35	21.32	21.30					
20	64QAM	1	49	21.30	21.42	21.41	22.5	0			
20	64QAM	1	99	21.43	21.38	21.17					
20	64QAM	50	0	20.56	20.61	20.60					
20	64QAM	50	24	20.59	20.61	20.57					
20	64QAM	50	50	20.63	20.65	20.55	21.5	1			
20	64QAM	100	0	20.60	20.61	20.57					
Channel				37850	38000	38175					
Frequency (MHz)				2572.5	2595	2612.5					
15	QPSK	1	0	21.52	21.69	21.62	22.5	0			
15	QPSK	1	37	21.46	21.54	21.57					
15	QPSK	1	74	21.37	21.63	21.43					
15	QPSK	36	0	21.50	21.65	21.54					
15	QPSK	36	20	21.35	21.51	21.48	22.5	0			
15	QPSK	36	39	21.38	21.48	21.49					
15	QPSK	75	0	21.42	21.57	21.62					
15	16QAM	1	0	21.40	21.54	21.46	22.5	0			
15	16QAM	1	49	21.38	21.61	21.47					
15	16QAM	1	74	21.42	21.60	21.51					
15	16QAM	36	0	21.56	21.63	21.41					
15	16QAM	36	20	21.43	21.64	21.57	22.5	0			
15	16QAM	36	39	21.45	21.54	21.57					
15	16QAM	75	0	21.39	21.51	21.40					
15	64QAM	1	0	21.33	21.22	21.27	22.5	0			
15	64QAM	1	37	21.17	21.29	21.27					
15	64QAM	1	74	21.34	21.21	21.27					
15	64QAM	36	0	20.45	20.51	20.56					
15	64QAM	36	20	20.57	20.60	20.44	21.5	1			
15	64QAM	36	39	20.58	20.64	20.41					
15	64QAM	75	0	20.55	20.56	20.56					
Channel				37850	38000	38175					
Frequency (MHz)				2572.5	2595	2612.5					
10	QPSK	1	0	21.59	21.64	21.59	22.5	0			
10	QPSK	1	25	21.56	21.62	21.54					
10	QPSK	1	49	21.31	21.53	21.39					
10	QPSK	12	0	21.51	21.63	21.51					
10	QPSK	25	12	21.47	21.64	21.55	22.5	0			
10	QPSK	25	25	21.50	21.53	21.55					
10	QPSK	50	0	21.46	21.62	21.60					
10	16QAM	1	0	21.38	21.56	21.43	22.5	0			
10	16QAM	1	25	21.38	21.66	21.41					
10	16QAM	1	49	21.48	21.52	21.47					
10	16QAM	25	0	21.58	21.57	21.37					
10	16QAM	25	12	21.47	21.61	21.47	22.5	0			
10	16QAM	25	25	21.53	21.59	21.49					
10	16QAM	50	0	21.46	21.55	21.52					
10	64QAM	1	0	21.27	21.26	21.28	22.5	0			
10	64QAM	1	25	21.17	21.39	21.32					
10	64QAM	1	49	21.42	21.34	21.02					
10	64QAM	25	0	20.44	20.56	20.42					
10	64QAM	25	12	20.57	20.54	20.48	21.5	1			
10	64QAM	25	25	20.54	20.58	20.52					
10	64QAM	50	0	20.54	20.59	20.54					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	21.46	21.69	21.56	22.5	0			
5	QPSK	1	12	21.50	21.63	21.48					
5	QPSK	1	24	21.37	21.66	21.44					
5	QPSK	12	0	21.45	21.58	21.54					
5	QPSK	12	7	21.61	21.62	21.44	22.5	0			
5	QPSK	12	13	21.51	21.45	21.48					
5	QPSK	25	0	21.52	21.61	21.62					
5	16QAM	1	0	21.38	21.56	21.43	22.5	0			
5	16QAM	1	12	21.47	21.62	21.44					
5	16QAM	1	24	21.48	21.53	21.47					
5	16QAM	12	0	21.51	21.63	21.49					
5	16QAM	12	7	21.42	21.59	21.39	22.5	0			
5	16QAM	12	13	21.46	21.52	21.46					
5	16QAM	25	0	21.38	21.63	21.50					
5	64QAM	1	0	21.20	21.31	21.27	22.5	0			
5	64QAM	1	12	21.19	21.34	21.34					
5	64QAM	1	24	21.37	21.35	21.08					
5	64QAM	12	0	20.50	20.58	20.51					
5	64QAM	12	7	20.51	20.55	20.42	21.5	1			
5	64QAM	12	13	20.51	20.56	20.47					
5	64QAM	25	0	20.45	20.48	20.51					

Band 41_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2550.5	2593	2636.5	2680				
20	QPSK	1	0	21.08	21.04	21.40	21.33	21.33	22.5	0		
20	QPSK	1	49	20.95	20.97	21.28	21.17	21.20				
20	QPSK	1	99	21.01	20.97	21.32	21.29	21.25				
20	QPSK	50	0	21.05	20.98	21.38	21.28	21.30				
20	QPSK	50	24	21.01	20.91	21.26	21.28	21.25				
20	QPSK	50	50	20.98	20.92	21.36	21.17	21.19	22.5	0		
20	QPSK	100	0	21.06	20.92	21.35	21.15	21.21				
20	16QAM	1	0	21.04	20.98	21.27	21.22	21.18				
20	16QAM	1	49	21.06	20.91	21.32	21.15	21.29				
20	16QAM	1	99	21.01	20.93	21.38	21.21	21.23				
20	16QAM	50	0	21.01	20.93	21.29	21.28	21.32	22.5	0		
20	16QAM	50	24	20.98	20.98	21.36	21.19	21.31				
20	16QAM	50	50	21.07	21.01	21.25	21.29	21.28				
20	16QAM	100	0	21.04	20.99	21.36	21.21	21.30				
20	64QAM	1	0	21.03	20.93	21.38	21.15	21.24				
20	64QAM	1	49	21.06	20.99	21.32	21.25	21.24	22.5	0		
20	64QAM	1	99	21.00	21.01	21.32	21.26	21.18				
20	64QAM	50	0	19.98	19.89	20.43	20.14	20.32				
20	64QAM	50	24	19.99	19.90	20.44	20.16	20.32				
20	64QAM	50	50	19.99	19.94	20.45	20.19	20.33				
20	64QAM	100	0	19.98	19.93	20.44	20.19	20.33	21.5	1		
Channel				39750	40185	40620	41055	41490	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2550.5	2593	2637.5	2680.5				
15	QPSK	1	0	20.99	20.96	21.38	21.27	21.30	22.5	0		
15	QPSK	1	37	20.80	20.96	21.19	21.10	21.12				
15	QPSK	1	74	20.99	20.89	21.30	21.19	21.23				
15	QPSK	36	0	21.03	20.85	21.32	21.17	21.29				
15	QPSK	36	20	20.94	20.77	21.29	21.23	21.18				
15	QPSK	36	39	20.94	20.83	21.34	21.10	21.12	22.5	0		
15	QPSK	75	0	20.94	20.83	21.22	21.04	21.12				
15	16QAM	1	0	20.91	20.85	21.25	21.14	21.07				
15	16QAM	1	37	20.96	20.82	21.19	21.02	21.10				
15	16QAM	1	74	20.97	20.78	21.31	21.11	21.18				
15	16QAM	36	0	20.98	20.82	21.24	21.24	21.19	22.5	0		
15	16QAM	36	20	20.93	20.86	21.22	21.11	21.28				
15	16QAM	36	39	21.02	20.94	21.12	21.16	21.22				
15	16QAM	75	0	20.91	20.86	21.29	21.08	21.25				
15	64QAM	1	0	21.00	20.84	21.32	21.01	21.16				
15	64QAM	1	37	21.04	20.89	21.31	21.15	21.14	22.5	0		
15	64QAM	1	74	20.98	20.90	21.22	21.11	21.12				
15	64QAM	36	0	19.89	19.79	20.86	20.16	20.42				
15	64QAM	36	20	19.92	19.81	20.14	20.25	20.41				
15	64QAM	36	39	19.88	19.81	20.09	20.28	20.31				
15	64QAM	75	0	19.83	19.86	20.15	20.22	20.41	21.5	1		
Channel				39700	40166	40620	41080	41540	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	20.95	21.01	21.28	21.25	21.21	22.5	0		
10	QPSK	1	25	20.86	20.92	21.25	21.12	21.08				
10	QPSK	1	49	20.92	20.83	21.24	21.16	21.24				
10	QPSK	25	0	20.92	20.83	21.37	21.20	21.29				
10	QPSK	25	12	20.91	20.78	21.18	21.15	21.11				
10	QPSK	25	25	20.96	20.85	21.29	21.15	21.06	22.5	0		
10	QPSK	50	0	21.03	20.79	21.33	21.08	21.20				
10	16QAM	1	0	21.00	20.88	21.16	21.08	21.06				
10	16QAM	1	25	21.05	20.79	21.26	21.01	21.28				
10	16QAM	1	49	20.91	20.87	21.34	21.15	21.18				
10	16QAM	25	0	20.93	20.91	21.17	21.14	21.29	22.5	0		
10	16QAM	25	12	20.84	20.97	21.27	21.18	21.23				
10	16QAM	25	25	21.00	20.86	21.11	21.26	21.25				
10	16QAM	50	0	20.90	20.89	21.32	21.10	21.22				
10	64QAM	1	0	20.95	20.86	21.27	21.09	21.10				
10	64QAM	1	25	20.99	20.87	21.23	21.12	21.23	22.5	0		
10	64QAM	1	49	20.92	20.86	21.20	21.17	21.07				
10	64QAM	25	0	19.92	19.86	20.08	20.29	20.32				
10	64QAM	25	12	19.93	19.83	20.07	20.21	20.36				
10	64QAM	25	25	19.98	19.83	20.12	20.26	20.40				
10	64QAM	50	0	19.84	19.79	20.18	20.25	20.38	21.5	1		
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	21.04	21.00	21.34	21.26	21.32	22.5	0		
5	QPSK	1	12	20.92	20.87	21.13	21.16	21.12				
5	QPSK	1	24	20.87	20.88	21.23	21.27	21.20				
5	QPSK	12	0	20.91	20.84	21.34	21.14	21.18				
5	QPSK	12	7	20.93	20.80	21.14	21.12	21.24				
5	QPSK	12	13	20.85	20.87	21.24	21.06	21.12	22.5	0		
5	QPSK	25	0	21.01	20.85	21.34	21.05	21.19				
5	16QAM	1	0	20.93	20.88	21.12	21.16	21.08				
5	16QAM	1	12	21.04	20.84	21.27	21.13	21.20				
5	16QAM	1	24	20.90	20.84	21.27	21.14	21.11				
5	16QAM	12	0	20.99	20.79	21.27	21.17	21.17	22.5	0		
5	16QAM	12	7	20.94	20.83	21.23	21.14	21.22				
5	16QAM	12	13	20.99	20.84	21.15	21.26	21.24				
5	16QAM	25	0	20.98	20.94	21.23	21.07	21.23				
5	64QAM	1	0	20.90	20.89	21.27	21.12	21.13				
5	64QAM	1	12	21.05	20.87	21.24	21.10	21.18	22.5	0		
5	64QAM	1	24	20.96	20.93	21.22	21.17	21.05				
5	64QAM	12	0	19.93	19.77	20.02	20.24	20.29				
5	64QAM	12	7	19.90	19.82	20.05	20.26	20.34				
5	64QAM	12	13	19.94	19.82	20.06	20.22	20.31				
5	64QAM	25	0	19.83	19.86	20.10	20.22	20.38	21.5	1		

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Low Ch./Freq	Power Low Middle Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				36790	40185	40620	41065	41490				
				25415	25415	25415	25415	25415				
20	QPSK	1	0	21.63	21.70	21.68	21.72	21.63				
20	QPSK	1	49	21.66	21.59	21.73	21.61	21.63	22.5	0		
20	QPSK	1	99	21.54	21.59	21.78	21.61	21.60				
20	QPSK	50	0	21.68	21.68	21.75	21.62	21.72				
20	QPSK	50	24	21.61	21.57	21.69	21.69	21.66	22.5	0		
20	QPSK	50	50	21.61	21.57	21.69	21.59	21.61				
20	QPSK	100	0	21.58	21.62	21.74	21.61	21.67				
20	16QAM	1	0	21.59	21.58	21.75	21.57	21.63				
20	16QAM	1	49	21.57	21.54	21.78	21.66	21.65	22.5	0		
20	16QAM	1	99	21.63	21.58	21.77	21.71	21.70				
20	16QAM	50	0	21.65	21.57	21.78	21.68	21.70				
20	16QAM	50	24	21.58	21.65	21.68	21.89	21.71	22.5	0		
20	16QAM	50	50	21.54	21.66	21.76	21.69	21.81				
20	16QAM	100	0	21.64	21.58	21.78	21.68	21.70				
20	64QAM	1	0	21.35	21.49	21.35	21.31	21.34				
20	64QAM	1	49	21.46	21.40	21.30	21.32	21.44	22.5	0		
20	64QAM	1	99	21.48	21.50	21.37	21.51	21.40				
20	64QAM	50	0	20.57	20.70	20.45	20.69	20.67				
20	64QAM	50	24	20.44	20.72	20.59	20.62	20.63	21.5	1		
20	64QAM	50	50	20.71	20.69	20.58	20.66	20.68				
20	64QAM	100	0	20.64	20.70	20.63	20.59	20.62				
Channel				25955	25443	25993	25979	25975	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25955	25443	25993	25979	25975				
15	QPSK	1	0	21.59	21.58	21.71	21.63	21.73				
15	QPSK	1	37	21.65	21.48	21.72	21.58	21.61	22.5	0		
15	QPSK	1	74	21.42	21.52	21.67	21.59	21.54				
15	QPSK	1	99	21.51	21.63	21.64	21.57	21.53				
15	QPSK	50	0	21.56	21.50	21.57	21.54	21.60	22.5	0		
15	QPSK	50	39	21.58	21.51	21.67	21.52	21.58				
15	QPSK	75	0	21.45	21.50	21.68	21.50	21.54				
15	16QAM	1	0	21.44	21.41	21.61	21.53	21.48				
15	16QAM	1	49	21.41	21.49	21.49	21.49	21.50	22.5	0		
15	16QAM	1	74	21.62	21.45	21.70	21.65	21.65				
15	16QAM	36	0	21.53	21.44	21.65	21.58	21.59				
15	16QAM	36	20	21.52	21.51	21.54	21.60	21.57	22.5	0		
15	16QAM	75	0	21.38	21.54	21.54	21.54	21.59				
15	16QAM	75	0	21.63	21.57	21.64	21.66	21.54				
15	64QAM	1	0	21.31	21.46	21.24	21.27	21.22				
15	64QAM	1	37	21.42	21.48	21.39	21.33	21.22	22.5	0		
15	64QAM	1	74	21.37	21.49	21.36	21.35	21.34				
15	64QAM	36	0	20.55	20.71	20.60	20.39	20.58				
15	64QAM	36	20	20.54	20.71	20.54	20.51	20.58	21.5	1		
15	64QAM	36	20	20.69	20.56	20.65	20.62	20.51				
15	64QAM	75	0	20.55	20.58	20.52	20.44	20.50				
Channel				25973	25959	25959	25959	25959	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25957	25947	25993	25993	25995				
10	QPSK	1	0	21.61	21.62	21.68	21.60	21.67				
10	QPSK	1	25	21.57	21.47	21.62	21.49	21.54	22.5	0		
10	QPSK	1	49	21.47	21.55	21.72	21.51	21.55				
10	QPSK	1	99	21.46	21.46	21.61	21.61	21.61				
10	QPSK	25	12	21.53	21.42	21.61	21.49	21.61	22.5	0		
10	QPSK	25	25	21.59	21.46	21.58	21.53	21.55				
10	QPSK	50	0	21.54	21.60	21.69	21.55	21.55				
10	16QAM	1	0	21.51	21.53	21.63	21.54	21.61				
10	16QAM	1	25	21.53	21.63	21.65	21.54	21.67	22.5	0		
10	16QAM	1	49	21.48	21.57	21.72	21.68	21.55				
10	16QAM	25	0	21.56	21.51	21.66	21.58	21.68				
10	16QAM	25	12	21.48	21.50	21.59	21.57	21.69	22.5	0		
10	16QAM	50	0	21.50	21.60	21.72	21.65	21.68				
10	16QAM	50	0	21.59	21.48	21.69	21.58	21.53				
10	64QAM	1	0	21.26	21.48	21.19	21.22	21.25				
10	64QAM	1	25	21.39	21.47	21.32	21.27	21.19	22.5	0		
10	64QAM	1	49	21.37	21.37	21.30	21.27	21.13				
10	64QAM	25	0	20.53	20.64	20.58	20.45	20.55				
10	64QAM	25	12	20.50	20.59	20.48	20.59	20.44	21.5	1		
10	64QAM	25	25	20.59	20.58	20.66	20.65	20.48				
10	64QAM	50	0	20.51	20.64	20.64	20.50	20.58				
Channel				39575	40148	40260	41093	41595	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				24985 <th>25458<th>25993<th>26040<th>26975<th></th><th></th><th></th><th></th></th></th></th></th>	25458 <th>25993<th>26040<th>26975<th></th><th></th><th></th><th></th></th></th></th>	25993 <th>26040<th>26975<th></th><th></th><th></th><th></th></th></th>	26040 <th>26975<th></th><th></th><th></th><th></th></th>	26975 <th></th> <th></th> <th></th> <th></th>				
5	QPSK	1	0	21.60	21.66	21.65	21.67	21.67				
5	QPSK	1	12	21.54	21.53	21.58	21.60	21.62	22.5	0		
5	QPSK	1	24	21.45	21.46	21.46	21.75	21.55				
5	QPSK	12	7	21.56	21.64	21.65	21.53	21.53				
5	QPSK	12	7	21.58	21.47	21.65	21.48	21.63	22.5	0		
5	QPSK	12	13	21.50	21.47	21.57	21.46	21.51				
5	QPSK	25	0	21.55	21.47	21.61	21.56	21.61				
5	16QAM	1	0	21.51	21.45	21.61	21.47	21.52				
5	16QAM	1	12	21.51	21.60	21.63	21.64	21.59	22.5	0		
5	16QAM	1	24	21.54	21.49	21.75	21.68	21.61				
5	16QAM	12	0	21.61	21.50	21.66	21.55	21.58				
5	16QAM	12	12	21.49	21.61	21.61	21.61	21.61	22.5	0		
5	16QAM	12	13	21.40	21.65	21.65	21.65	21.51				
5	16QAM	25	0	21.57	21.53	21.62	21.67	21.54				
5	64QAM	1	0	21.21	21.42	21.24	21.28	21.26				
5	64QAM	1	12	21.43	21.34	21.38	21.38	21.38	22.5	0		
5	64QAM	1	24	21.39	21.49	21.34	21.38	21.35				
5	64QAM	12	0	20.54	20.68	20.53	20.39	20.59				
5	64QAM	12	7	20.49	20.57	20.49	20.61	20.48	21.5	1		
5	64QAM	12	13	20.52	20.60	20.54	20.61	20.51				
5	64QAM	25	0	20.52	20.59	20.53	20.63	20.51				

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)								
Channel										Channel										Channel																	
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)																	
20	QPSK	1	0	21.60	21.56	21.53	21.52	22	0	20	QPSK	1	0	22.58	22.40	22.52	22.45	23	0	20	QPSK	1	0	20.43	20.35	20.40	20.41	21	0	20	QPSK	1	0	20.39	20.23	20.25	20.28
20	QPSK	1	49	21.51	21.51	21.39	21.38			20	QPSK	1	49	22.49	22.39	22.50	22.32			20	QPSK	1	49	20.33	20.25	20.31	20.17			20	QPSK	1	49	19.88	19.86	19.95	20.07
20	QPSK	1	99	21.56	21.42	21.50	21.46	22	0	20	QPSK	1	99	22.51	22.38	22.50	22.30	22	1	20	QPSK	1	99	20.35	20.29	20.37	20.31	21	0	20	QPSK	1	99	19.86	19.82	19.89	20.05
20	QPSK	50	0	21.36	21.56	21.56	21.46			20	QPSK	50	0	21.37	21.39	21.39	21.49			20	QPSK	50	0	20.26	20.10	20.08	20.10			20	QPSK	50	0	19.92	19.88	19.95	20.07
20	QPSK	50	24	21.46	21.51	21.50	21.35	22	0	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	20.33	20.22	20.22	20.17	21	0	20	QPSK	50	24	19.98	19.94	19.99	20.05
20	QPSK	50	50	21.43	21.51	21.44	21.46			20	QPSK	50	50	21.46	21.37	21.42	21.27			20	QPSK	50	50	20.34	20.24	20.25	20.20			20	QPSK	50	50	19.98	19.94	19.99	20.05
20	QPSK	100	0	21.52	21.42	21.50	21.48	22	0	20	QPSK	100	0	21.55	21.31	21.44	21.38	22	1	20	QPSK	100	0	20.38	20.31	20.33	20.25	21	0	20	QPSK	100	0	19.92	19.88	19.95	20.07
20	16QAM	1	0	21.49	21.58	21.57	21.57			20	16QAM	1	0	21.53	21.32	21.47	21.29			20	16QAM	1	0	20.36	20.32	20.39	20.24			20	16QAM	1	0	19.92	19.88	19.95	20.07
20	16QAM	1	49	21.44	21.54	21.46	21.48	21	1	20	16QAM	1	49	21.45	21.39	21.44	21.31	21	2	20	16QAM	1	49	20.36	20.34	20.36	20.30	21	0	20	16QAM	1	49	19.92	19.88	19.95	20.07
20	16QAM	1	99	21.49	21.48	21.51	21.48			20	16QAM	1	99	21.50	21.28	21.44	21.38			20	16QAM	1	99	20.32	20.29	20.27	20.19			20	16QAM	1	99	19.92	19.88	19.95	20.07
20	16QAM	50	0	20.47	20.56	20.59	20.50	21	1	20	16QAM	50	0	20.65	20.38	20.53	20.43	21	2	20	16QAM	50	0	20.32	20.22	20.37	20.26	21	0	20	16QAM	50	0	19.92	19.88	19.95	20.07
20	16QAM	50	24	20.37	20.51	20.57	20.40			20	16QAM	50	24	20.44	20.33	20.44	20.34			20	16QAM	50	24	20.28	20.32	20.38	20.28			20	16QAM	50	24	19.92	19.88	19.95	20.07
20	16QAM	50	50	20.35	20.55	20.46	20.35	21	1	20	16QAM	50	50	20.41	20.29	20.52	20.30	21	2	20	16QAM	50	50	20.30	20.22	20.37	20.20	21	0	20	16QAM	50	50	19.92	19.88	19.95	20.07
20	64QAM	1	0	20.11	20.10	20.22	20.09			20	64QAM	1	0	20.54	20.27	20.45	20.39			20	64QAM	1	0	19.92	19.88	19.95	20.07			20	64QAM	1	0	19.92	19.88	19.95	20.07
20	64QAM	1	49	20.36	20.51	20.52	20.39	21	1	20	64QAM	1	49	20.48	20.29	20.50	20.31	21	2	20	64QAM	1	49	19.98	19.96	20.02	19.89	21	0	20	64QAM	1	49	19.98	19.94	19.99	20.05
20	64QAM	1	99	20.34	20.54	20.47	20.40			20	64QAM	1	99	20.48	20.35	20.52	20.42			20	64QAM	1	99	19.98	19.96	20.02	19.89			20	64QAM	1	99	19.98	19.94	19.99	20.05
20	64QAM	50	0	19.42	19.52	19.56	19.48	20	2	20	64QAM	50	0	19.60	19.44	19.58	19.45	20	3	20	64QAM	50	0	19.32	19.18	19.35	19.20	20	1	20	64QAM	50	0	19.32	19.18	19.35	19.20
20	64QAM	50	24	19.37	19.51	19.42	19.33			20	64QAM	50	24	19.59	19.41	19.49	19.30			20	64QAM	50	24	19.28	19.44	19.35	19.51			20	64QAM	50	24	19.28	19.44	19.35	19.51
20	64QAM	50	50	19.35	19.41	19.51	19.40	20	2	20	64QAM	50	50	19.63	19.32	19.51	19.38	20	3	20	64QAM	50	50	19.32	19.18	19.35	19.20	20	1	20	64QAM	50	50	19.32	19.18	19.35	19.20
20	64QAM	100	0	19.34	19.50	19.42	19.39			20	64QAM	100	0	19.64	19.40	19.45	19.31			20	64QAM	100	0	19.32	19.18	19.35	19.20			20	64QAM	100	0	19.32	19.18	19.35	19.20
Channel										Channel										Channel																	
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)																	
15	QPSK	1	0	21.56	21.48	21.42	21.42	22	0	15	QPSK	1	0	22.48	22.19	22.45	22.43	23	0	15	QPSK	1	0	20.39	20.23	20.25	20.29	21	0	15	QPSK	1	0	20.35	20.19	20.21	20.24
15	QPSK	1	37	21.40	21.45	21.27	21.26			15	QPSK	1	37	22.38	22.17	22.48	22.28			15	QPSK	1	37	20.26	20.16	20.18	20.16			15	QPSK	1	37	19.90	19.86	19.93	19.97
15	QPSK	1	74	21.41	21.35	21.45	21.32	22	0	15	QPSK	1	74	22.45	22.09	22.47	22.19	23	1	15	QPSK	1	74	20.31	20.24	20.25	20.27	21	0	15	QPSK	1	74	19.96	19.90	19.97	20.03
15	QPSK	36	0	21.44	21.37	21.37	21.38			15	QPSK	36	0	21.46	21.32	21.40	21.38			15	QPSK	36	0	20.37	20.22	20.23	20.20			15	QPSK	36	0	19.91	19.86	19.93	19.99
15	QPSK	36	20	21.34	21.34	21.41	21.39	22	0	15	QPSK	36	20	21.36	20.99	21.39	21.32	22	1	15	QPSK	36	20	20.25	20.10	20.08	20.10	21	0	15	QPSK	36	20	19.90	19.84	19.91	19.96
15	QPSK	36	39	21.33	21.31	21.27	21.27			15	QPSK	36	39	21.45	21.13	21.27	21.21			15	QPSK	36	39	20.25	20.18	20.14	20.13			15	QPSK	36	39	19.89	19.84	19.91	19.96
15	QPSK	75	0	21.36	21.35	21.41	21.41	22	0	15	QPSK	75	0	21.47	21.05	21.36	21.31	22	1	15	QPSK	75	0	20.34	20.20	20.31	20.14	21	0	15	QPSK	75	0	19.94	19.88	19.95	20.01
15	16QAM	1	0	21.43	21.39	21.38	21.44			15	16QAM	1	0	21.58	21.11	21.38	21.14			15	16QAM	1	0	20.29	20.20	20.37	20.23			15	16QAM	1	0	19.90	19.84	19.91	19.96
15	16QAM	1	27	21.34	21.33	21.28	21.33	22	0	15	16QAM	1	27	21.42	21.19	21.39	21.21	22	1	15	16QAM	1	27	20.33	20.20	20.30	20.16	21	0	15	16QAM	1	27	19.94	19.88	19.95	20.01
15	16QAM	1	74	21.34	21.31	21.41	21.31			15	16QAM	1	74	21.43	21.10	21.29	21.29			15	16QAM	1	74	20.19	20.20	20.19	20.15			15	16QAM	1	74	19.89	19.84	19.91	19.96
15	16QAM	36	0	20.42	20.43	20.42	20.45	21	1	15	16QAM	36	0	20.54	20.17	20.50	20.24	21	2	15	16QAM	36	0	20.21	20.26	20.25	20.27	21	0	15	16QAM	36	0	19.91	19.86	19.93	19.99
15	16QAM	36	20	20.16	20.44	20.48	20.32			15	16QAM	36	20	20.30	20.10	20.37	20.30			15	16QAM	36	20	20.20	20.27	20.33	20.14			15	16QAM	36	20	19.89	19.84	19.91	19.96
15	16QAM	36	39	20.15	20.42	20.39	20.17	21	1	15	16QAM	36	39	20.20	20.20	20.30	20.17	21	2	15	16QAM	36	39	20.22	20.14	20.31	20.17	21	0	15	16QAM	36	39	19.91	19.86	19.93	19.99
15	16QAM	75	0	20.20	20.38	20.47	20.29			15	16QAM	75	0	20.32	20.14	20.39	20.27			15	16QAM	75	0	20.27	20.24	20.32	20.10			15	16QAM	75	0	19.90	19.84	19.91	19.96
15	64QAM	1	0	19.93	19.97	20.02	19.89	21	1	15	64QAM	1	0	20.50	20.01	20.35	20.26	21	2	15	64QAM	1	0	19.79	19.74	19.81	20.00	21	0	15	64QAM	1	0	19.79	19.74	19.81	20.00
15	64QAM	1	37	20.20	20.33	20.38	20.29			15	64QAM	1	37	20.35	20.07	20.44	20.30			15	64QAM	1	37	19.74	19.83	19.82	19.83			15	64QAM	1	37	19.74	19.83	19.82	19.83
15	64QAM	1	74	20.15	20.38	20.35	20.32	21	1	15	64QAM	1	74	20.35	20.16	20.41	20.25	21	2	15	64QAM	1	74	19.80	19.84	19.84	19.86	21	0	15	64QAM	1	74	19.80	19.84	19.84	19.86
15	64QAM	36	0	19.27	19.47	19.46	19.29			15	64QAM	36	0	19.55	19.19	19.48	19.31			15	64QAM	36	0	19.11	19.19	19.30	19.41			15	64QAM	36	0	19.11	19.19	19.30	19.41
15	64QAM	36	20	19.26	19.41	19.24	19.23	20	2	15	64QAM	36	20	19.45	19.17	19.45	19.25	20	3	15																	

Part 96_Band 48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	20.34	20.18	20.23	20.21	21	0	
20	QPSK	1	49	20.26	20.05	20.15	20.14			
20	QPSK	1	99	20.28	20.04	20.21	20.19			
20	QPSK	50	0	20.33	20.18	20.26	20.19			
20	QPSK	50	24	20.21	20.05	20.16	20.07	21	0	
20	QPSK	50	50	20.23	20.14	20.15	20.17			
20	QPSK	100	0	20.31	20.14	20.16	20.10			
20	16QAM	1	0	20.30	20.04	20.21	20.09			
20	16QAM	1	49	20.25	20.12	20.14	20.15	21	0	
20	16QAM	1	99	20.29	20.09	20.18	20.08			
20	16QAM	50	0	20.25	20.04	20.12	20.17			
20	16QAM	50	24	20.19	20.16	20.10	20.09			
20	16QAM	50	50	20.29	20.10	20.19	20.13	21	0	
20	16QAM	100	0	20.28	20.16	20.10	20.17			
20	64QAM	1	0	20.23	20.13	20.09	20.07			
20	64QAM	1	49	20.21	20.13	20.09	20.11			
20	64QAM	1	99	20.24	20.11	20.19	20.14	21	0	
20	64QAM	50	0	20.23	20.05	20.10	20.09			
20	64QAM	50	24	20.21	20.17	20.09	20.14			
20	64QAM	50	50	20.32	20.14	20.12	20.18			
20	64QAM	100	0	20.26	20.03	20.13	20.15	Tune-up limit (dBm)	MPR (dB)	
Channel				55315	55800	56160	56605			
Frequency (MHz)				3567.5	3608	3642	3692.5			
15	QPSK	1	0	20.29	20.05	20.12	20.10	21	0	
15	QPSK	1	37	20.19	19.98	20.07	20.05			
15	QPSK	1	74	20.25	19.99	20.12	20.10			
15	QPSK	36	0	20.26	20.15	20.17	20.04			
15	QPSK	36	39	20.09	20.00	20.01	19.95	21	0	
15	QPSK	36	39	20.21	20.00	20.05	20.11			
15	QPSK	75	0	20.29	20.11	20.06	20.08			
15	16QAM	1	0	20.24	19.95	20.11	20.02			
15	16QAM	1	37	20.15	19.97	20.13	20.09	21	0	
15	16QAM	1	74	20.22	20.05	20.10	19.94			
15	16QAM	36	0	20.24	19.92	20.05	20.16			
15	16QAM	36	39	20.08	20.03	20.02	19.95			
15	16QAM	36	39	20.21	20.01	20.18	20.10	21	0	
15	16QAM	75	0	20.27	20.09	20.06	20.02			
15	64QAM	1	0	20.18	20.03	19.98	19.93			
15	64QAM	1	37	20.19	20.01	20.07	19.97			
15	64QAM	1	74	20.17	20.05	20.09	20.13	21	0	
15	64QAM	36	0	20.22	19.97	20.03	20.00			
15	64QAM	36	20	20.12	20.03	20.04	20.00			
15	64QAM	36	39	20.31	20.10	20.05	20.06			
15	64QAM	75	0	20.14	19.93	20.08	20.06	Tune-up limit (dBm)	MPR (dB)	
Channel				55290	55815	56165	56690			
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	20.33	20.03	20.08	20.14	21	0	
10	QPSK	1	25	20.22	20.04	20.03	20.09			
10	QPSK	1	49	20.17	19.99	20.11	20.15			
10	QPSK	25	0	20.22	20.08	20.11	20.06			
10	QPSK	25	12	20.12	19.99	20.07	20.04	21	0	
10	QPSK	25	25	20.15	20.02	20.14	20.16			
10	QPSK	50	0	20.17	20.01	20.13	19.99			
10	16QAM	1	0	20.24	19.99	20.12	20.07			
10	16QAM	1	25	20.10	20.03	20.00	20.07	21	0	
10	16QAM	1	49	20.26	19.94	20.16	19.93			
10	16QAM	25	0	20.24	19.95	19.97	20.05			
10	16QAM	25	12	20.05	20.13	20.07	20.00			
10	16QAM	25	25	20.16	20.09	20.11	20.05	21	0	
10	16QAM	50	0	20.24	20.14	20.09	20.14			
10	64QAM	1	0	20.16	20.06	20.07	20.00			
10	64QAM	1	25	20.08	20.08	20.02	20.04			
10	64QAM	1	49	20.16	20.05	20.10	20.00	21	0	
10	64QAM	25	0	20.13	19.95	20.02	20.08			
10	64QAM	25	12	20.14	20.02	19.97	20.02			
10	64QAM	25	25	20.23	20.09	20.01	20.13			
10	64QAM	50	0	20.13	19.92	20.09	20.03	Tune-up limit (dBm)	MPR (dB)	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	20.26	20.09	20.18	20.19	21	0	
5	QPSK	1	12	20.23	19.90	20.01	20.11			
5	QPSK	1	24	20.17	20.02	20.14	20.15			
5	QPSK	12	0	20.19	20.13	20.10	20.10			
5	QPSK	12	7	20.15	19.97	20.11	20.06	21	0	
5	QPSK	12	13	20.17	20.06	20.09	20.07			
5	QPSK	25	0	20.23	20.00	20.09	20.00			
5	16QAM	1	0	20.20	19.92	20.14	20.04			
5	16QAM	1	12	20.18	20.06	20.03	20.09	21	0	
5	16QAM	1	24	20.20	20.01	20.16	19.96			
5	16QAM	12	0	20.17	20.02	20.09	20.11			
5	16QAM	12	7	20.04	20.07	20.04	19.97			
5	16QAM	12	13	20.15	19.97	20.10	20.12	21	0	
5	16QAM	25	0	20.14	20.09	19.97	20.16			
5	64QAM	1	0	20.20	20.04	20.07	19.93			
5	64QAM	1	12	20.12	20.03	20.03	19.99			
5	64QAM	1	24	20.15	20.06	20.13	20.11	21	0	
5	64QAM	12	0	20.13	19.91	19.97	20.00			
5	64QAM	12	7	20.06	20.02	20.03	20.11			
5	64QAM	12	13	20.21	20.09	20.07	20.14			
5	64QAM	25	0	20.20	20.02	20.12	20.04			

Full & Default Power Mode_ENDC

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18800	19100				
20	QPSK	1	0	23.41	23.43	23.38	24.5	0		
20	QPSK	1	49	23.38	23.40	23.37				
20	QPSK	1	99	23.29	23.32	23.31				
20	QPSK	50	0	22.37	22.40	22.36	23.5	1		
20	QPSK	50	24	22.32	22.35	22.34				
20	QPSK	50	50	22.34	22.37	22.34				
20	QPSK	100	0	22.35	22.37	22.35	23.5	1		
20	16QAM	1	0	22.71	22.57	22.63				
20	16QAM	1	49	22.70	22.57	22.64				
20	16QAM	1	99	22.59	22.52	22.51	22.5	2		
20	16QAM	50	0	21.39	21.35	21.37				
20	16QAM	50	24	21.36	21.39	21.33				
20	16QAM	50	50	21.33	21.36	21.32	22.5	2		
20	16QAM	100	0	21.34	21.35	21.33				
20	64QAM	1	0	21.64	21.49	21.52				
20	64QAM	1	49	21.60	21.59	21.51	21.5	3		
20	64QAM	1	99	21.44	21.48	21.49				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.36	21.5	3		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel										
Frequency (MHz)				1867.5	1890	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.28	23.26	23.23	24.5	0		
15	QPSK	1	37	23.41	23.33	23.25				
15	QPSK	1	74	23.22	23.17	23.17				
15	QPSK	36	0	22.33	22.29	22.35	23.5	1		
15	QPSK	36	20	22.24	22.19	22.22				
15	QPSK	36	39	22.30	22.24	22.23				
15	QPSK	75	0	22.34	22.32	22.23	23.5	1		
15	16QAM	1	0	22.42	22.58	22.50				
15	16QAM	1	37	22.52	22.62	22.56				
15	16QAM	1	74	22.49	22.58	22.39	22.5	2		
15	16QAM	36	0	21.29	21.27	21.29				
15	16QAM	36	20	21.33	21.23	21.23				
15	16QAM	36	39	21.24	21.29	21.21	22.5	2		
15	16QAM	75	0	21.29	21.22	21.21				
15	64QAM	1	0	21.45	21.53	21.41				
15	64QAM	1	37	21.49	21.59	21.38	22.5	2		
15	64QAM	1	74	21.33	21.37	21.39				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.38	20.32	20.28	21.5	3		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel										
Frequency (MHz)				1865	1880	1905	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.29	23.33	23.19	24.5	0		
10	QPSK	1	25	23.35	23.33	23.35				
10	QPSK	1	49	23.29	23.25	23.17				
10	QPSK	25	0	22.36	22.23	22.25	23.5	1		
10	QPSK	25	12	22.35	22.17	22.19				
10	QPSK	25	25	22.29	22.30	22.26				
10	QPSK	50	0	22.27	22.24	22.28	23.5	1		
10	16QAM	1	0	22.54	22.57	22.51				
10	16QAM	1	25	22.53	22.66	22.51				
10	16QAM	1	49	22.48	22.45	22.36	22.5	2		
10	16QAM	25	0	21.25	21.25	21.25				
10	16QAM	25	12	21.25	21.21	21.22				
10	16QAM	25	25	21.32	21.32	21.18	22.5	2		
10	16QAM	50	0	21.22	21.26	21.24				
10	64QAM	1	0	21.44	21.58	21.37				
10	64QAM	1	25	21.49	21.45	21.47	22.5	2		
10	64QAM	1	49	21.41	21.43	21.48				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.26	20.34	20.28	21.5	3		
10	64QAM	25	25	20.25	20.20	20.23				
10	64QAM	50	0	20.28	20.36	20.20				
Channel										
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.23	23.33	23.27	24.5	0		
5	QPSK	1	12	23.42	23.39	23.22				
5	QPSK	1	24	23.28	23.21	23.30				
5	QPSK	12	0	22.39	22.25	22.21	23.5	1		
5	QPSK	12	7	22.25	22.19	22.25				
5	QPSK	12	13	22.26	22.22	22.23				
5	QPSK	25	0	22.30	22.33	22.33	23.5	1		
5	16QAM	1	0	22.47	22.62	22.61				
5	16QAM	1	12	22.44	22.56	22.50				
5	16QAM	1	24	22.47	22.53	22.47	22.5	2		
5	16QAM	12	0	21.34	21.31	21.30				
5	16QAM	12	7	21.33	21.34	21.19				
5	16QAM	12	13	21.26	21.19	21.19	22.5	2		
5	16QAM	25	0	21.28	21.32	21.22				
5	64QAM	1	0	21.44	21.50	21.39				
5	64QAM	1	12	21.54	21.47	21.44	22.5	2		
5	64QAM	1	24	21.35	21.34	21.42				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	3		
5	64QAM	12	13	20.30	20.29	20.20				
5	64QAM	25	0	20.32	20.27	20.21				
Channel										
Frequency (MHz)				1861.5	1890	1918.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.35	23.30	23.25	24.5	0		
3	QPSK	1	8	23.29	23.37	23.28				
3	QPSK	1	14	23.27	23.14	23.19				
3	QPSK	8	0	22.28	22.29	22.34	23.5	1		
3	QPSK	8	4	22.27	22.21	22.28				
3	QPSK	8	7	22.26	22.22	22.22				
3	QPSK	15	0	22.22	22.22	22.22	23.5	1		
3	16QAM	1	0	22.51	22.62	22.49				
3	16QAM	1	8	22.49	22.64	22.61				
3	16QAM	1	14	22.45	22.58	22.50	22.5	2		
3	16QAM	8	0	21.25	21.33	21.34				
3	16QAM	8	4	21.32	21.33	21.22				
3	16QAM	8	7	21.32	21.20	21.20	22.5	2		
3	16QAM	15	0	21.30	21.21	21.22				
3	64QAM	1	0	21.38	21.57	21.45				
3	64QAM	1	8	21.50	21.47	21.48	22.5	2		
3	64QAM	1	14	21.42	21.42	21.36				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.30	20.28	21.5	3		
3	64QAM	8	7	20.30	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel										
Frequency (MHz)				1860.7	1890	1919.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.36	23.32	23.28	24.5	0		
1.4	QPSK	1	3	23.29	23.36	23.28				
1.4	QPSK	1	5	23.19	23.16	23.18				
1.4	QPSK	3	0	23.26	23.39	23.26	23.5	1		
1.4	QPSK	3	1	23.40	23.26	22.22				
1.4	QPSK	3	2	23.18	23.26	23.20				
1.4	QPSK	6	0	22.22	22.28	22.25	23.5	1		
1.4	16QAM	1	0	22.46	22.70	22.64				
1.4	16QAM	1	3	22.43	22.65	22.59				
1.4	16QAM	3	0	22.52	22.62	22.52	22.5	1		
1.4	16QAM	3	1	22.51	22.68	22.52				
1.4	16QAM	3	2	22.47	22.62	22.48				
1.4	16QAM	6	0	21.23	21.30	21.19	22.5	2		
1.4	64QAM	1	0	21.39	21.59	21.38				
1.4	64QAM	1	3	21.55	21.53	21.44				
1.4	64QAM	1	5	21.47	21.32	21.44	22.5	2		
1.4	64QAM	3	0	21.47	21.59	21.37				
1.4	64QAM	3	1	21.55	21.48	21.44				
1.4	64QAM	3	2	21.46	21.52	21.39	21.5	3		
1.4	64QAM	6	0	20.31	20.37	20.30				
1.4	64QAM	6	1	20.32	20.33	20.33				

Band 4_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.20				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.26	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.29	22.28	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.20	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	21.5	2		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.21	20.19	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel										
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07				
15	64QAM	36	20	20.36	20.20	20.36	21.5	3		
15	64QAM	36	39	20.11	20.05	20.21				
15	64QAM	75	0	20.20	20.08	20.20				
Channel										
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.19	22.10				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	23.5	1		
10	16QAM	25	0	21.18	21.19	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.07	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.16	20.07	20.25	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel										
Frequency (MHz)				1697.5	1717.5	1737.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.11	20.14	21.5	3		
5	64QAM	12	13	20.13	20.15	20.23				
5	64QAM	25	0	20.11	20.11	20.25				
Channel										
Frequency (MHz)				1695.5	1717.5	1737.5	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	5	22.98	23.12	23.18				
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1		
1.4	QPSK	3	1	23.07	23.24	23.19				
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1		
1.4	16QAM	1	3	22.40	22.38	22.36				
1.4	16QAM	1	5	22.38	22.35	22.45				
1.4	16QAM	3	0	22.28	22.39	22.46	23.5	1		
1.4	16QAM	3	1	22.27	22.32	22.47				
1.4	16QAM	3	3	22.43	22.30	22.46				
1.4	16QAM	6	0	21.21	21.14	21.14	22.5	2		
1.4	64QAM	1	3	21.33	21.38	21.36				
1.4	64QAM	1	5	21.16	21.13	21.36				
1.4	64QAM	3	0	21.22	21.43	21.26	22.5	2		
1.4	64QAM	3	1	21.40	21.48	21.38				
1.4	64QAM	3	3	21.21	21.17	21.35				
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3		

Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.78	23.87	23.86	25	0				
10	QPSK	1	25	23.66	23.74	23.53						
10	QPSK	1	49	23.70	23.70	23.82						
10	QPSK	25	0	22.64	22.77	22.74	24	1				
10	QPSK	25	12	22.83	22.67	22.72						
10	QPSK	25	25	22.83	22.69	22.70						
10	QPSK	50	0	22.67	22.75	22.73	24	1				
10	16QAM	1	0	22.74	22.93	22.97						
10	16QAM	1	25	22.74	22.74	23.02						
10	16QAM	1	49	22.71	23.00	22.97	23	2				
10	16QAM	25	0	21.66	21.63	21.74						
10	16QAM	25	12	21.60	21.71	21.69						
10	16QAM	25	25	21.60	21.78	21.71	23	2				
10	16QAM	50	0	21.62	21.73	21.71						
10	64QAM	1	0	21.93	22.06	21.96						
10	64QAM	1	25	21.85	21.77	21.95	23	2				
10	64QAM	1	49	21.84	21.98	21.81						
10	64QAM	25	0	20.80	20.73	20.66						
10	64QAM	25	12	20.52	20.62	20.69	22	3				
10	64QAM	25	25	20.66	20.68	20.81						
10	64QAM	50	0	20.63	20.68	20.74						
Channel				20432	20525	20625	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				826.5 <th>836.5<th>846.5</th><th></th><th></th><th></th></th>	836.5 <th>846.5</th> <th></th> <th></th> <th></th>	846.5						
5	QPSK	1	0	23.75	23.85	23.83	25	0				
5	QPSK	1	12	23.54	23.73	23.39						
5	QPSK	1	24	23.65	23.77	23.62						
5	QPSK	12	0	22.60	22.72	22.61	24	1				
5	QPSK	12	7	22.51	22.56	22.71						
5	QPSK	12	13	22.55	22.62	22.62						
5	QPSK	25	0	22.56	22.62	22.66	24	1				
5	16QAM	1	0	22.67	22.80	22.91						
5	16QAM	1	12	22.61	22.62	22.83						
5	16QAM	1	24	22.67	22.90	22.86	23	2				
5	16QAM	12	0	21.65	21.54	21.72						
5	16QAM	12	7	21.56	21.64	21.85						
5	16QAM	12	13	21.57	21.73	21.70	23	2				
5	16QAM	25	0	21.61	21.66	21.58						
5	64QAM	1	0	21.89	22.01	21.87	23	2				
5	64QAM	1	12	21.75	21.69	21.94						
5	64QAM	1	24	21.72	21.93	21.76						
5	64QAM	12	0	20.49	20.67	20.60	22	3				
5	64QAM	12	7	20.46	20.50	20.58						
5	64QAM	12	13	20.57	20.55	20.72						
5	64QAM	25	0	20.68	20.62	20.74	22	3				
Channel				20415	20525	20635				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5 <th>836.5<th>847.5</th><th></th><th></th><th></th></th>	836.5 <th>847.5</th> <th></th> <th></th> <th></th>	847.5						
3	QPSK	1	0	23.74	23.81	23.76	25	0				
3	QPSK	1	8	23.52	23.66	23.39						
3	QPSK	1	14	23.61	23.69	23.70						
3	QPSK	8	0	22.57	22.76	22.71	24	1				
3	QPSK	8	4	22.62	22.59	22.89						
3	QPSK	8	7	22.60	22.61	22.69						
3	QPSK	15	0	22.59	22.73	22.64	24	1				
3	16QAM	1	0	22.62	22.89	22.86						
3	16QAM	1	8	22.72	22.68	22.97						
3	16QAM	1	14	22.68	22.88	22.91	23	2				
3	16QAM	8	0	21.65	21.57	21.63						
3	16QAM	8	4	21.46	21.63	21.83						
3	16QAM	8	7	21.58	21.64	21.64	23	2				
3	16QAM	15	0	21.53	21.61	21.56						
3	64QAM	1	0	21.80	21.95	21.95	23	2				
3	64QAM	1	8	21.76	21.69	21.88						
3	64QAM	1	14	21.70	21.85	21.70						
3	64QAM	8	0	20.49	20.66	20.51	22	3				
3	64QAM	8	4	20.42	20.46	20.57						
3	64QAM	8	7	20.63	20.65	20.73						
3	64QAM	15	0	20.68	20.59	20.65	22	3				
Channel				20407	20525	20643				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.69	23.72	23.84	25	0				
1.4	QPSK	1	3	23.51	23.71	23.45						
1.4	QPSK	1	5	23.57	23.77	23.65						
1.4	QPSK	3	0	23.71	23.80	23.85	24	1				
1.4	QPSK	3	1	23.63	23.68	23.45						
1.4	QPSK	3	3	23.69	23.70	23.73						
1.4	QPSK	6	0	22.58	22.58	22.65	24	1				
1.4	16QAM	1	0	22.73	22.91	22.88						
1.4	16QAM	1	3	22.64	22.59	23.00						
1.4	16QAM	1	5	22.66	22.86	22.84	24	1				
1.4	16QAM	3	0	22.73	22.86	22.87						
1.4	16QAM	3	1	22.64	22.71	23.01						
1.4	16QAM	3	3	22.59	22.88	22.86	23	2				
1.4	16QAM	6	0	21.57	21.64	21.67						
1.4	64QAM	1	0	21.92	21.93	21.87	23	2				
1.4	64QAM	1	3	21.82	21.73	21.92						
1.4	64QAM	1	5	21.80	21.92	21.80						
1.4	64QAM	3	0	21.49	21.75	21.68	23	2				
1.4	64QAM	3	1	21.53	21.69	21.76						
1.4	64QAM	3	3	21.58	21.59	21.97						
1.4	64QAM	6	0	20.60	20.59	20.77	22	3				

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.83	22.55	24	1	
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.56	22.56	22.47			
10	QPSK	50	0	22.56	22.60	22.52	24	1	
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93	23	2	
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.54			
10	16QAM	25	25	21.61	21.48	21.62	23	2	
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.86	23	2	
10	64QAM	1	25	21.76	21.60	21.66			
10	64QAM	1	49	21.62	21.68	21.94			
10	64QAM	25	0	20.50	20.53	20.61	22	3	
10	64QAM	25	12	20.49	20.45	20.48			
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61	22	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40	24	1	
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33	24	1	
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.84	23.03	22.86			
5	16QAM	1	12	22.58	22.71	22.90	23	2	
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.46	21.53	23	2	
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.58	21.39	21.48	23	2	
5	16QAM	1	0	21.65	21.85	21.75			
5	64QAM	1	12	21.61	21.58	21.64	22	3	
5	64QAM	1	24	21.48	21.58	21.85			
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36	22	3	
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55	25	0	
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.36	23.33	23.40			
3	QPSK	1	14	23.44	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42	24	1	
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	8	7	22.41	22.52	22.40	24	1	
3	QPSK	15	0	22.54	22.56	22.44			
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.76	22.89	24	1	
3	16QAM	1	14	22.71	22.83	22.83			
3	16QAM	8	0	21.53	21.37	21.46	23	2	
3	16QAM	8	4	21.57	21.39	21.53			
3	16QAM	8	7	21.53	21.37	21.56			
3	16QAM	15	0	21.59	21.31	21.47	23	2	
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55			
3	64QAM	1	14	21.56	21.51	21.58	22	3	
3	64QAM	8	0	20.49	20.41	20.30			
3	64QAM	8	4	20.38	20.44	20.36	25	0	
3	64QAM	8	7	20.49	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.56	23.54	24	1	
1.4	QPSK	3	1	23.45	23.29	23.49			
1.4	QPSK	3	3	23.43	23.54	23.43	24	1	
1.4	QPSK	6	0	22.48	22.47	22.39			
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.69	22.89	24	1	
1.4	16QAM	1	5	22.67	22.79	22.97			
1.4	16QAM	3	0	22.86	23.02	22.79	23	2	
1.4	16QAM	3	1	22.67	22.78	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86			
1.4	16QAM	6	0	21.50	21.37	21.58	23	2	
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.83	23	2	
1.4	64QAM	1	5	21.67	21.67	21.83			
1.4	64QAM	3	0	21.67	21.85	21.68			
1.4	64QAM	3	1	21.59	21.59	21.57	22	3	
1.4	64QAM	3	3	21.60	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.50	22	3	
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21350	24.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.05	23.12	23.10				
20	QPSK	1	49	23.02	23.10	23.02	23.5	1		
20	QPSK	1	99	23.02	22.98	23.08				
20	QPSK	50	0	21.98	22.05	22.01				
20	QPSK	50	24	21.97	22.02	21.96	23.5	1		
20	QPSK	50	50	21.98	22.04	21.90				
20	QPSK	100	0	21.97	22.03	21.95				
20	16QAM	1	0	22.16	22.31	22.14	23.5	1		
20	16QAM	1	49	22.19	22.26	22.19				
20	16QAM	1	99	22.26	22.17	22.29				
20	16QAM	50	0	20.96	21.01	20.91	22.5	2		
20	16QAM	50	24	20.96	21.01	20.96				
20	16QAM	50	50	20.96	21.03	20.99				
20	16QAM	100	0	20.94	21.00	20.93	22.5	2		
20	64QAM	1	0	21.10	21.22	21.05				
20	64QAM	1	49	21.12	21.20	21.16				
20	64QAM	1	99	21.15	21.08	21.16	21.5	3		
20	64QAM	50	0	20.93	21.03	20.93				
20	64QAM	50	24	19.96	20.01	19.96				
20	64QAM	50	50	19.96	20.04	20.00	21.5	3		
20	64QAM	50	100	19.95	20.03	19.96				
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5	24.5	0		
15	QPSK	1	0	23.08	23.03	23.98				
15	QPSK	1	37	23.09	22.98	22.94				
15	QPSK	1	74	22.89	22.98	23.05	23.5	1		
15	QPSK	36	0	21.84	21.87	21.80				
15	QPSK	36	20	21.87	21.83	21.89				
15	QPSK	36	39	21.96	21.95	21.79	23.5	1		
15	QPSK	75	0	21.92	21.86	21.90				
15	16QAM	1	0	22.27	22.11	22.12				
15	16QAM	1	37	22.23	22.16	22.13	23.5	1		
15	16QAM	1	74	22.13	22.18	22.18				
15	16QAM	36	0	20.85	20.89	20.87				
15	16QAM	36	20	20.87	20.87	20.84	22.5	2		
15	16QAM	36	39	21.01	20.86	20.92				
15	16QAM	75	0	20.99	20.92	20.87				
15	64QAM	1	0	21.09	21.06	21.01	22.5	2		
15	64QAM	1	37	21.12	20.97	21.07				
15	64QAM	1	74	21.06	21.14	21.05				
15	64QAM	36	0	20.91	20.92	20.89	21.5	3		
15	64QAM	36	20	19.94	19.89	19.91				
15	64QAM	36	39	19.97	19.85	19.86				
15	64QAM	75	0	19.98	19.87	19.86	21.5	3		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565	24.5	0		
10	QPSK	1	0	23.05	23.03	23.03				
10	QPSK	1	25	23.03	22.98	22.89				
10	QPSK	1	49	22.87	22.94	23.04	23.5	1		
10	QPSK	25	0	21.87	21.83	21.85				
10	QPSK	25	12	21.92	21.88	21.83				
10	QPSK	25	25	21.96	21.86	21.81	23.5	1		
10	QPSK	50	0	21.95	21.83	21.80				
10	16QAM	1	0	22.19	22.16	22.12				
10	16QAM	1	25	22.11	22.17	22.13	23.5	1		
10	16QAM	1	49	22.13	22.20	22.16				
10	16QAM	25	0	20.99	20.95	20.90				
10	16QAM	25	12	20.86	20.95	20.86	22.5	2		
10	16QAM	25	25	20.97	20.94	20.98				
10	16QAM	50	0	20.85	20.93	20.88				
10	64QAM	1	0	21.07	21.08	20.99	22.5	2		
10	64QAM	1	25	21.06	21.10	21.03				
10	64QAM	1	49	20.96	21.05	21.14				
10	64QAM	25	0	19.96	19.85	19.84	21.5	3		
10	64QAM	25	12	19.93	19.83	19.85				
10	64QAM	25	25	19.97	19.83	19.85				
10	64QAM	50	0	19.94	19.82	19.87	21.5	3		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5	24.5	0		
5	QPSK	1	0	23.04	22.97	22.96				
5	QPSK	1	12	22.97	22.89	22.99				
5	QPSK	1	24	22.88	22.86	22.96	23.5	1		
5	QPSK	12	0	21.90	21.98	21.85				
5	QPSK	12	7	21.96	21.84	21.86				
5	QPSK	12	13	21.97	21.87	21.76	23.5	1		
5	QPSK	25	0	21.99	21.82	21.88				
5	16QAM	1	0	22.22	22.09	22.11				
5	16QAM	1	12	22.11	22.06	22.17	23.5	1		
5	16QAM	1	24	22.04	22.24	22.16				
5	16QAM	12	0	20.98	20.81	20.89				
5	16QAM	12	7	20.96	20.93	20.81	22.5	2		
5	16QAM	12	13	20.99	20.95	20.87				
5	16QAM	25	0	20.92	20.88	20.85				
5	64QAM	1	0	21.13	21.07	21.00	22.5	2		
5	64QAM	1	12	21.10	21.05	21.14				
5	64QAM	1	24	20.99	21.09	21.07				
5	64QAM	12	0	20.02	19.88	19.81	21.5	3		
5	64QAM	12	7	20.00	19.84	19.85				
5	64QAM	12	13	19.91	19.85	19.87				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	24.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.75	23.86	23.77	23.5	1		
20	QPSK	1	49	23.69	23.77	23.70				
20	QPSK	1	99	23.72	23.85	23.71				
20	QPSK	50	0	22.73	22.79	22.76	23.5	1		
20	QPSK	50	24	22.66	22.74	22.73				
20	QPSK	50	50	22.69	22.77	22.71				
20	QPSK	100	0	22.67	22.78	22.69	23.5	1		
20	16QAM	1	0	22.82	22.90	22.95				
20	16QAM	1	49	22.88	22.91	22.85				
20	16QAM	1	99	22.79	23.10	23.13	22.5	2		
20	16QAM	50	0	21.59	21.79	21.72				
20	16QAM	50	24	21.66	21.75	21.69				
20	16QAM	50	50	21.74	21.75	21.71	22.5	2		
20	16QAM	100	0	21.66	21.73	21.71				
20	64QAM	1	0	21.80	22.08	22.05				
20	64QAM	1	49	21.77	21.91	21.85	22.5	2		
20	64QAM	1	99	21.80	21.93	22.13				
20	64QAM	50	0	20.61	20.76	20.76				
20	64QAM	50	24	20.68	20.82	20.71	21.5	3		
20	64QAM	50	50	20.71	20.80	20.76				
20	64QAM	100	0	20.70	20.78	20.72				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5	24.5 <th colspan="2" rowspan="2">0</th>	0		
15	QPSK	1	0	23.87	23.79	23.76				
15	QPSK	1	37	23.59	23.65	23.69	23.5	1		
15	QPSK	1	74	23.64	23.70	23.67				
15	QPSK	36	0	22.67	22.70	22.67				
15	QPSK	36	20	22.65	22.66	22.61	23.5	1		
15	QPSK	36	39	22.66	22.69	22.70				
15	QPSK	75	0	22.58	22.75	22.60				
15	16QAM	1	0	22.87	22.96	22.88	23.5	1		
15	16QAM	1	37	22.83	22.80	22.76				
15	16QAM	1	74	22.70	23.03	23.11				
15	16QAM	36	0	21.50	21.71	21.64	22.5	2		
15	16QAM	36	20	21.61	21.63	21.60				
15	16QAM	36	39	21.62	21.68	21.58				
15	16QAM	75	0	21.60	21.71	21.59	22.5	2		
15	64QAM	1	0	21.67	21.86	21.81				
15	64QAM	1	37	21.73	21.89	21.73				
15	64QAM	1	74	21.67	21.78	22.06	21.5	3		
15	64QAM	36	0	20.57	20.69	20.62				
15	64QAM	36	20	20.58	20.81	20.56				
15	64QAM	36	39	20.56	20.77	20.69	21.5	3		
15	64QAM	75	0	20.51	20.74	20.62				
Channel				20800	21100	21400				Tune-up limit (dBm)
Frequency (MHz)				25050	2535	2565	24.5 <th colspan="2" rowspan="2">0</th>	0		
10	QPSK	1	0	23.65	23.79	23.72				
10	QPSK	1	25	23.67	23.69	23.63	23.5	1		
10	QPSK	1	49	23.64	23.70	23.70				
10	QPSK	25	0	22.62	22.66	22.72				
10	QPSK	25	12	22.57	22.67	22.64	23.5	1		
10	QPSK	25	25	22.64	22.63	22.69				
10	QPSK	50	0	22.54	22.73	22.81				
10	16QAM	1	0	22.75	22.80	22.82	23.5	1		
10	16QAM	1	25	22.67	22.68	22.77				
10	16QAM	1	49	22.75	23.08	23.05				
10	16QAM	25	0	21.52	21.73	21.65	22.5	2		
10	16QAM	25	12	21.56	21.64	21.57				
10	16QAM	25	25	21.62	21.67	21.68				
10	16QAM	50	0	21.51	21.67	21.70	22.5	2		
10	64QAM	1	0	21.72	21.98	21.90				
10	64QAM	1	25	21.67	21.81	21.84				
10	64QAM	1	49	21.67	21.84	21.84	21.5	3		
10	64QAM	25	0	20.48	20.74	20.79				
10	64QAM	25	12	20.65	20.73	20.64				
10	64QAM	25	25	20.60	20.72	20.65	21.5	3		
10	64QAM	50	0	20.62	20.72	20.65				
Channel				20775	21100	21425				Tune-up limit (dBm)
Frequency (MHz)				25025.5	2535	2567.5	24.5 <th colspan="2" rowspan="2">0</th>	0		
5	QPSK	1	0	23.60	23.85	23.65				
5	QPSK	1	12	23.57	23.74	23.62	23.5	1		
5	QPSK	1	24	23.68	23.64	23.68				
5	QPSK	12	0	22.62	22.68	22.67				
5	QPSK	12	7	22.62	22.59	22.72	23.5	1		
5	QPSK	12	13	22.63	22.66	22.59				
5	QPSK	25	0	22.56	22.65	22.65				
5	16QAM	1	0	22.73	22.81	22.89	23.5	1		
5	16QAM	1	12	22.75	22.84	22.72				
5	16QAM	1	24	22.74	22.99	22.99				
5	16QAM	12	0	21.55	21.67	21.65	22.5	2		
5	16QAM	12	7	21.57	21.94	21.58				
5	16QAM	12	13	21.61	21.67	21.65				
5	16QAM	25	0	21.52	21.62	21.60	22.5	2		
5	64QAM	1	0	21.70	22.04	21.98				
5	64QAM	1	12	21.64	21.82	21.77				
5	64QAM	1	24	21.70	21.88	22.01	21.5	3		
5	64QAM	12	0	20.59	20.66	20.62				
5	64QAM	12	7	20.57	20.68	20.67				
5	64QAM	12	13	20.62	20.73	20.67	21.5	3		
5	64QAM	25	0	20.62	20.75	20.58				

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23065	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.43	23.50	23.45			
10	QPSK	1	25	23.22	23.39	23.29			
10	QPSK	1	49	23.41	23.47	23.22	23.5	1	
10	QPSK	25	0	22.26	22.30	22.25			
10	QPSK	25	12	22.21	22.20	22.22			
10	QPSK	25	25	22.24	22.28	22.22			
10	QPSK	50	0	22.23	22.27	22.24	23.5	1	
10	16QAM	1	0	22.52	22.37	22.60			
10	16QAM	1	25	22.42	22.32	22.35			
10	16QAM	1	49	22.66	22.55	22.61			
10	16QAM	25	0	21.24	21.16	21.20	22.5	2	
10	16QAM	25	12	21.14	21.26	21.18			
10	16QAM	25	25	21.18	21.38	21.25			
10	16QAM	50	0	21.17	21.24	21.23			
10	64QAM	1	0	21.25	21.36	21.22	22.5	2	
10	64QAM	1	25	21.53	21.35	21.40			
10	64QAM	1	49	21.50	21.39	21.35			
10	64QAM	25	0	20.19	20.28	20.21			
10	64QAM	25	12	20.25	20.21	20.31	21.5	3	
10	64QAM	25	25	20.27	20.37	20.23			
10	64QAM	50	0	20.29	20.25	20.23			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.38	23.37	23.38			
5	QPSK	1	12	23.08	23.28	23.15			
5	QPSK	1	24	23.31	23.38	23.19	23.5	1	
5	QPSK	12	0	22.26	22.28	22.21			
5	QPSK	12	7	22.07	22.19	22.07			
5	QPSK	12	13	22.12	22.23	22.16			
5	QPSK	25	0	22.17	22.24	22.16	23.5	1	
5	16QAM	1	0	22.37	22.28	22.56			
5	16QAM	1	12	22.37	22.17	22.33			
5	16QAM	1	24	22.59	22.45	22.59			
5	16QAM	12	0	21.14	21.04	21.11	22.5	2	
5	16QAM	12	7	21.02	21.14	21.14			
5	16QAM	12	13	21.08	21.25	21.13			
5	16QAM	25	0	21.06	21.19	21.18			
5	64QAM	1	0	21.13	21.29	21.08	22.5	2	
5	64QAM	1	12	21.38	21.31	21.25			
5	64QAM	1	24	21.47	21.29	21.34			
5	64QAM	12	0	20.11	20.23	20.19			
5	64QAM	12	7	20.19	20.13	20.27	21.5	3	
5	64QAM	12	13	20.20	20.26	20.16			
5	64QAM	25	0	20.20	20.22	20.08			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.40	23.49	23.35			
3	QPSK	1	8	23.16	23.31	23.21			
3	QPSK	1	14	23.36	23.45	23.21	23.5	1	
3	QPSK	8	0	22.19	22.25	22.19			
3	QPSK	8	4	22.06	22.09	22.11			
3	QPSK	8	7	22.14	22.22	22.16			
3	QPSK	15	0	22.09	22.19	22.20	23.5	1	
3	16QAM	1	0	22.51	22.30	22.59			
3	16QAM	1	8	22.35	22.25	22.28			
3	16QAM	1	14	22.53	22.48	22.54			
3	16QAM	8	0	21.14	21.09	21.06	22.5	2	
3	16QAM	8	4	21.09	21.14	21.16			
3	16QAM	8	7	21.03	21.30	21.11			
3	16QAM	15	0	21.12	21.14	21.22			
3	64QAM	1	0	21.21	21.35	21.09	22.5	2	
3	64QAM	1	8	21.46	21.22	21.39			
3	64QAM	1	14	21.38	21.34	21.29			
3	64QAM	8	0	20.11	20.18	20.17			
3	64QAM	8	4	20.16	20.10	20.27	21.5	3	
3	64QAM	8	7	20.19	20.35	20.20			
3	64QAM	15	0	20.16	20.17	20.22			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.32	23.45	23.37			
1.4	QPSK	1	3	23.16	23.26	23.17			
1.4	QPSK	1	5	23.38	23.40	23.21	23.5	1	
1.4	QPSK	3	0	23.39	23.42	23.42			
1.4	QPSK	3	1	23.20	23.26	23.17			
1.4	QPSK	3	3	23.36	23.40	23.09			
1.4	QPSK	6	0	22.20	22.18	22.20	23.5	1	
1.4	16QAM	1	0	22.45	22.28	22.55			
1.4	16QAM	1	3	22.30	22.26	22.30			
1.4	16QAM	1	5	22.58	22.51	22.46			
1.4	16QAM	3	0	22.46	22.25	22.46	22.5	2	
1.4	16QAM	3	1	22.33	22.26	22.26			
1.4	16QAM	3	3	22.62	22.48	22.46			
1.4	16QAM	6	0	21.11	21.11	21.10			
1.4	64QAM	1	0	21.19	21.27	21.19	22.5	2	
1.4	64QAM	1	3	21.42	21.21	21.29			
1.4	64QAM	1	5	21.43	21.30	21.25			
1.4	64QAM	3	0	21.13	21.32	21.14			
1.4	64QAM	3	1	21.36	21.20	21.27	21.5	3	
1.4	64QAM	3	3	21.36	21.35	21.24			
1.4	64QAM	6	0	20.22	20.22	20.19			

Band 12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23065	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.65	23.72	23.65			
10	QPSK	1	25	23.60	23.64	23.54			
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.55	22.60	22.55			
10	QPSK	25	12	22.51	22.52	22.51			
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47			
10	16QAM	1	0	22.95	22.63	22.96			
10	16QAM	1	25	22.94	22.69	22.70			
10	16QAM	1	49	22.99	22.76	22.64			
10	16QAM	25	0	21.52	21.64	21.46			
10	16QAM	25	12	21.43	21.53	21.43			
10	16QAM	25	25	21.60	21.54	21.44			
10	16QAM	50	0	21.56	21.56	21.44			
10	64QAM	1	0	21.75	21.73	21.67			
10	64QAM	1	25	21.85	21.90	21.77			
10	64QAM	1	49	21.71	21.69	21.84			
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48			
10	64QAM	25	25	20.51	20.49	20.49			
10	64QAM	50	0	20.53	20.52	20.46			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.55	23.70	23.57			
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28			
5	QPSK	12	0	22.53	22.51	22.50			
5	QPSK	12	7	22.49	22.49	22.37			
5	QPSK	12	13	22.48	22.51	22.31			
5	QPSK	25	0	22.44	22.52	22.42			
5	16QAM	1	0	22.87	22.57	22.90			
5	16QAM	1	12	22.87	22.61	22.67			
5	16QAM	1	24	22.95	22.68	22.52			
5	16QAM	12	0	21.46	21.59	21.41			
5	16QAM	12	7	21.40	21.50	21.30			
5	16QAM	12	13	21.54	21.43	21.29			
5	16QAM	25	0	21.44	21.42	21.37			
5	64QAM	1	0	21.71	21.71	21.61			
5	64QAM	1	12	21.67	21.67	21.54			
5	64QAM	1	24	21.66	21.55	21.71			
5	64QAM	12	0	20.39	20.36	20.40			
5	64QAM	12	7	20.55	20.46	20.35			
5	64QAM	12	13	20.48	20.39	20.42			
5	64QAM	25	0	20.44	20.39	20.42			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.58	23.63	23.68			
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	14	23.56	23.35	23.37			
3	QPSK	8	0	22.43	22.59	22.48			
3	QPSK	8	4	22.46	22.42	22.45			
3	QPSK	8	7	22.49	22.55	22.43			
3	QPSK	15	0	22.48	22.49	22.40			
3	16QAM	1	0	22.91	22.57	22.96			
3	16QAM	1	8	22.91	22.65	22.68			
3	16QAM	1	14	22.93	22.45	22.55			
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.30			
3	16QAM	8	7	21.55	21.43	21.41			
3	16QAM	15	0	21.49	21.50	21.39			
3	64QAM	1	0	21.64	21.67	21.61			
3	64QAM	1	8	21.81	21.83	21.74			
3	64QAM	1	14	21.68	21.67	21.63			
3	64QAM	8	0	20.52	20.40	20.43			
3	64QAM	8	4	20.48	20.48	20.34			
3	64QAM	8	7	20.43	20.41	20.43			
3	64QAM	15	0	20.40	20.49	20.35			
Channel				23017	23065	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.56	23.60	23.67			
1.4	QPSK	1	3	23.57	23.60	23.40			
1.4	QPSK	1	5	23.51	23.41	23.25			
1.4	QPSK	3	0	23.45	23.46	23.45			
1.4	QPSK	3	1	23.53	23.62	23.46			
1.4	QPSK	3	3	23.57	23.42	23.37			
1.4	QPSK	6	0	22.39	22.47	22.43			
1.4	16QAM	1	0	22.93	22.51	22.88			
1.4	16QAM	1	3	22.80	22.55	22.61			
1.4	16QAM	1	5	22.87	22.44	22.50			
1.4	16QAM	1	7	22.86	22.48	22.53			
1.4	16QAM	1	11	22.93	22.59	22.83			
1.4	16QAM	3	0	22.85	22.62	22.56			
1.4	16QAM	6	0	21.52	21.51	21.37			
1.4	64QAM	1	0	21.70	21.69	21.79			
1.4	64QAM	1	3	21.74	21.82	21.67			
1.4	64QAM	1	5	21.59	21.56	21.62			
1.4	64QAM	1	7	21.70	21.83	21.79			
1.4	64QAM	3	1	21.79	21.81	21.72			
1.4	64QAM	3	3	21.83	21.54	21.73			
1.4	64QAM	6	0	20.52	20.45	20.44			

Band 66_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				130702	132322	135722							
20	QPSK	1	0	23.40	23.45	23.44	24.5	0					
20	QPSK	1	49	23.34	23.35	23.42							
20	QPSK	1	99	23.12	23.24	23.26							
20	QPSK	50	0	22.36	22.42	22.40	23.5	1					
20	QPSK	50	24	22.30	22.33	22.35							
20	QPSK	50	50	22.26	22.28	22.36							
20	QPSK	100	0	22.32	22.40	22.36	23.5	1					
20	16QAM	1	0	22.59	22.48	22.65							
20	16QAM	1	49	22.64	22.57	22.64							
20	16QAM	1	99	22.42	22.45	22.47	22.5	2					
20	16QAM	50	0	21.28	21.33	21.45							
20	16QAM	50	24	21.29	21.33	21.42							
20	16QAM	50	50	21.25	21.29	21.35	22.5	2					
20	16QAM	100	0	21.23	21.30	21.39							
20	64QAM	1	0	21.40	21.38	21.55							
20	64QAM	1	49	21.40	21.51	21.52	22.5	2					
20	64QAM	1	99	21.31	21.38	21.46							
20	64QAM	50	0	20.30	20.34	20.49	21.5	3					
20	64QAM	50	24	20.32	20.34	20.44							
20	64QAM	50	50	20.37	20.39	20.38							
20	64QAM	100	0	20.25	20.31	20.41							
Channel													
Frequency (MHz)													
15	QPSK	1	0	23.38	23.38	23.30	24.5	0					
15	QPSK	1	37	23.27	23.31	23.31							
15	QPSK	1	74	23.04	23.10	23.15							
15	QPSK	36	0	22.23	22.33	22.26	23.5	1					
15	QPSK	36	20	22.19	22.21	22.30							
15	QPSK	36	39	22.14	22.13	22.23							
15	QPSK	75	0	22.28	22.37	22.23	23.5	1					
15	16QAM	1	0	22.56	22.35	22.53							
15	16QAM	1	37	22.63	22.43	22.58							
15	16QAM	1	74	22.33	22.36	22.46	22.5	2					
15	16QAM	36	0	21.14	21.30	21.24							
15	16QAM	36	20	21.13	21.27	21.34							
15	16QAM	36	39	21.13	21.14	21.26	22.5	2					
15	16QAM	75	0	21.22	21.26	21.38							
15	64QAM	1	0	21.33	21.34	21.52							
15	64QAM	1	37	21.26	21.47	21.38	22.5	2					
15	64QAM	1	74	21.29	21.36	21.33							
15	64QAM	36	0	20.19	20.32	20.48	21.5	3					
15	64QAM	36	20	20.20	20.30	20.38							
15	64QAM	36	39	20.26	20.25	20.24							
15	64QAM	75	0	20.21	20.23	20.33							
Channel													
Frequency (MHz)													
10	QPSK	1	0	23.39	23.31	23.37	24.5	0					
10	QPSK	1	25	23.21	23.33	23.29							
10	QPSK	1	49	23.10	23.14	23.16							
10	QPSK	25	0	22.29	22.37	22.27	23.5	1					
10	QPSK	25	12	22.18	22.22	22.23							
10	QPSK	25	25	22.19	22.25	22.31							
10	QPSK	50	0	22.20	22.30	22.34	23.5	1					
10	16QAM	1	0	22.46	22.34	22.51							
10	16QAM	1	25	22.56	22.50	22.63							
10	16QAM	1	49	22.33	22.42	22.40	22.5	2					
10	16QAM	25	0	21.19	21.24	21.36							
10	16QAM	25	12	21.16	21.28	21.33							
10	16QAM	25	25	21.19	21.26	21.33	22.5	2					
10	16QAM	50	0	21.16	21.22	21.25							
10	64QAM	1	0	21.30	21.23	21.52							
10	64QAM	1	25	21.26	21.41	21.43	22.5	2					
10	64QAM	1	49	21.30	21.27	21.43							
10	64QAM	25	0	20.20	20.32	20.37							
10	64QAM	25	12	20.28	20.34	20.36	21.5	3					
10	64QAM	25	25	20.15	20.21	20.25							
10	64QAM	50	0	20.14	20.28	20.37							
Channel													
Frequency (MHz)													
5	QPSK	1	0	23.35	23.39	23.32	24.5	0					
5	QPSK	1	12	23.29	23.27	23.36							
5	QPSK	1	24	23.00	23.12	23.11							
5	QPSK	12	0	22.34	22.33	22.26	23.5	1					
5	QPSK	12	7	22.21	22.31	22.26							
5	QPSK	12	13	22.11	22.18	22.25							
5	QPSK	25	0	22.17	22.32	22.23	23.5	1					
5	16QAM	1	0	22.54	22.35	22.61							
5	16QAM	1	12	22.59	22.44	22.58							
5	16QAM	1	24	22.37	22.42	22.40	22.5	2					
5	16QAM	12	0	21.25	21.29	21.44							
5	16QAM	12	7	21.24	21.19	21.28							
5	16QAM	12	13	21.24	21.21	21.29	22.5	2					
5	16QAM	25	0	21.21	21.27	21.24							
5	64QAM	1	0	21.26	21.34	21.49							
5	64QAM	1	12	21.27	21.36	21.45	22.5	2					
5	64QAM	1	24	21.20	21.27	21.32							
5	64QAM	12	0	20.20	20.25	20.35							
5	64QAM	12	7	20.29	20.27	20.29	21.5	3					
5	64QAM	12	13	20.21	20.28	20.32							
5	64QAM	25	0	20.10	20.21	20.28							
Channel													
Frequency (MHz)													
3	QPSK	1	0	23.37	23.41	23.40	24.5	0					
3	QPSK	1	8	23.32	23.20	23.36							
3	QPSK	1	14	22.89	23.17	23.22							
3	QPSK	8	0	22.31	22.32	22.34	23.5	1					
3	QPSK	8	4	22.18	22.29	22.34							
3	QPSK	8	7	22.24	22.13	22.35							
3	QPSK	15	0	22.20	22.31	22.22	23.5	1					
3	16QAM	1	0	22.48	22.45	22.54							
3	16QAM	1	8	22.49	22.48	22.51							
3	16QAM	1	14	22.40	22.37	22.46	22.5	2					
3	16QAM	8	0	21.22	21.19	21.39							
3	16QAM	8	4	21.14	21.22	21.37							
3	16QAM	8	7	21.15	21.18	21.35	21.5	3					
3	16QAM	15	0	21.14	21.18	21.33							
3	64QAM	1	0	21.32	21.24	21.49							
3	64QAM	1	8	21.26	21.45	21.43	22.5	2					
3	64QAM	1	14	21.16	21.31	21.45							
3	64QAM	8	0	20.29	20.33	20.47							
3	64QAM	8	4	20.24	20.30	20.33	21.5	3					
3	64QAM	8	7	20.24	20.19	20.33							
3	64QAM	15	0	20.18	20.25	20.36							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0					
1.4	QPSK	1	3	23.27	23.33	23.38							
1.4	QPSK	1	5	23.04	23.11	23.19							
1.4	QPSK	3	0	23.37	23.41	23.39	23.5	1					
1.4	QPSK	3	0	23.36	23.39	23.36							
1.4	QPSK	3	3	23.07	23.19	23.22							
1.4	QPSK	6	0	22.21	22.34	22.35	23.5	1					
1.4	16QAM	1	0	22.52	22.45	22.63							
1.4	16QAM	1	3	22.58	22.47	22.58							
1.4	16QAM	1	5	22.30	22.44	22.35	23.5	1					
1.4	16QAM	3	0	22.47	22.41	22.60							
1.4	16QAM	3	1	22.60	22.56	22.50							
1.4	16QAM	3	0	22.36	22.32	22.34	22.5	2					
1.4	16QAM	6	0	21.21	21.18	21.28							
1.4	64QAM	1	0	21.29	21.37	21.42							
1.4	64QAM	1	3	21.25	21.41	21.45	22.5	2					
1.4	64QAM	1	5	21.19	21.29	21.38							
1.4	64QAM	3	0	21.29	21.37	21.53							
1.4	64QAM	3	1	21.36	21.50	21.45	21.5	3					
1.4	64QAM	3	3	21.29	21.37	21.52							
1.4	64QAM	6	0	20.24	20.39	20.33							

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst (dBm)	MPR (dB)	
Channel				133222	133297	133372	24.5	0	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.36	23.41	23.34			
20	QPSK	1	49	23.21	23.24	23.20			
20	QPSK	1	99	23.16	23.22	23.22	23.5	1	
20	QPSK	50	0	22.35	22.39	22.39			
20	QPSK	50	24	22.29	22.29	22.25			
20	QPSK	50	50	22.33	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.26	23.5	1	
20	16QAM	1	0	22.53	22.52	22.53			
20	16QAM	1	49	22.48	22.44	22.48			
20	16QAM	1	99	22.49	22.54	22.56			
20	16QAM	50	0	21.35	21.21	21.23	22.5	2	
20	16QAM	50	24	21.27	21.26	21.27			
20	16QAM	50	50	21.34	21.29	21.25			
20	16QAM	100	0	21.35	21.22	21.25			
20	64QAM	1	0	21.42	21.44	21.46	22.5	2	
20	64QAM	1	49	21.34	21.45	21.35			
20	64QAM	1	99	21.40	21.49	21.51			
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.25	20.31	20.29	21.5	3	
20	64QAM	50	50	20.35	20.31	20.27			
20	64QAM	100	0	20.36	20.26	20.24			
Channel				133197	133297	133397	24.5	0	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.30	23.31	23.06			
15	QPSK	1	37	23.12	23.08	23.10			
15	QPSK	1	74	23.11	22.99	23.13	23.5	1	
15	QPSK	36	0	22.26	22.14	22.04			
15	QPSK	36	20	22.07	22.04	22.06			
15	QPSK	36	39	22.20	22.05	22.15			
15	QPSK	75	0	22.22	22.16	22.09	23.5	1	
15	16QAM	1	0	22.36	22.46	22.44			
15	16QAM	1	37	22.36	22.20	22.24			
15	16QAM	1	74	22.39	22.34	22.45			
15	16QAM	36	0	21.12	20.97	21.14	22.5	2	
15	16QAM	36	20	21.06	21.21	21.21			
15	16QAM	36	39	21.09	21.10	21.04			
15	16QAM	75	0	21.29	21.09	21.05			
15	64QAM	1	0	21.22	21.27	21.22	22.5	2	
15	64QAM	1	37	21.19	21.36	21.24			
15	64QAM	1	74	21.30	21.28	21.44			
15	64QAM	36	0	20.15	20.16	20.00			
15	64QAM	36	20	20.17	20.26	20.24	21.5	3	
15	64QAM	36	39	20.24	20.35	20.10			
15	64QAM	75	0	20.27	20.14	20.08			
Channel				133172	133297	133422	24.5	0	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.28	23.16	23.17			
10	QPSK	1	25	23.03	23.18	23.07			
10	QPSK	1	49	22.96	23.00	23.08	23.5	1	
10	QPSK	25	0	22.20	22.15	22.16			
10	QPSK	25	12	22.21	22.20	22.06			
10	QPSK	25	25	22.15	21.98	21.99			
10	QPSK	50	0	22.25	22.19	22.02	23.5	1	
10	16QAM	1	0	22.37	22.43	22.41			
10	16QAM	1	25	22.36	22.31	22.28			
10	16QAM	1	49	22.39	22.31	22.46			
10	16QAM	25	0	21.16	21.05	21.03	22.5	2	
10	16QAM	25	12	21.14	21.20	21.19			
10	16QAM	25	25	21.13	21.22	21.10			
10	16QAM	50	0	21.29	21.03	21.06			
10	64QAM	1	0	21.35	21.32	21.34	22.5	2	
10	64QAM	1	25	21.19	21.38	21.12			
10	64QAM	1	49	21.33	21.26	21.43			
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21	21.5	3	
10	64QAM	25	25	20.24	20.19	20.08			
10	64QAM	50	0	20.21	20.18	20.06			
Channel				133147	133297	133447	24.5	0	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.27	23.35	23.10			
5	QPSK	1	12	23.04	23.09	23.00			
5	QPSK	1	24	23.02	23.09	23.02	23.5	1	
5	QPSK	12	0	22.22	22.30	22.09			
5	QPSK	12	7	22.21	22.25	22.09			
5	QPSK	12	13	22.12	22.11	22.10			
5	QPSK	25	0	22.26	22.12	22.07	23.5	1	
5	16QAM	1	0	22.34	22.33	22.36			
5	16QAM	1	12	22.30	22.36	22.43			
5	16QAM	1	24	22.29	22.36	22.42			
5	16QAM	12	0	21.29	20.98	21.18	22.5	2	
5	16QAM	12	7	21.07	21.16	21.16			
5	16QAM	12	13	21.29	21.16	21.21			
5	16QAM	25	0	21.15	21.05	21.09			
5	64QAM	1	0	21.24	21.20	21.33	22.5	2	
5	64QAM	1	12	21.20	21.30	21.17			
5	64QAM	1	24	21.31	21.29	21.36			
5	64QAM	12	0	20.10	20.17	20.13			
5	64QAM	12	7	20.15	20.16	20.10	21.5	3	
5	64QAM	12	13	20.20	20.06	20.22			
5	64QAM	25	0	20.19	20.18	20.08			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57			
20	QPSK	50	24	22.64	22.63	22.53	23.5	1	
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53			
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74	23.5	1	
20	16QAM	1	99	22.77	22.79	22.89			
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66			
20	64QAM	1	99	21.63	21.72	21.62	22.5	2	
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.60	20.64	20.61			
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55	21.5	3	
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48			
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.26			
15	QPSK	36	0	22.50	22.24	22.52			
15	QPSK	36	20	22.48	22.46	22.30	23.5	1	
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42			
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.68	22.50	23.5	1	
15	16QAM	1	74	22.53	22.56	22.46			
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.54	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.30			
15	64QAM	1	0	21.53	21.56	21.51			
15	64QAM	1	37	21.82	21.55	21.53			
15	64QAM	1	74	21.54	21.63	21.51	22.5	2	
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.34	20.40			
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35	21.5	3	
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.56	23.47	23.48			
10	QPSK	1	25	23.34	23.33	23.42			
10	QPSK	1	49	23.24	23.31	23.27			
10	QPSK	25	0	22.51	22.63	22.40			
10	QPSK	25	12	22.48	22.41	22.46	23.5	1	
10	QPSK	25	25	22.36	22.35	22.35			
10	QPSK	50	0	22.41	22.47	22.44			
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	25	22.71	22.56	22.57	23.5	1	
10	16QAM	1	49	22.52	22.54	22.48			
10	16QAM	25	0	21.52	21.53	21.39			
10	16QAM	25	12	21.43	21.36	21.36			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	25	21.75	21.64	21.50			
10	64QAM	1	49	21.49	21.51	21.55	22.5	2	
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.35			
10	64QAM	25	25	20.50	20.30	20.44			
10	64QAM	50	0	20.54	20.46	20.49	21.5	3	
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34			
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.24	23.49	23.42			
5	QPSK	12	0	22.63	22.51	22.36			
5	QPSK	12	7	22.44	22.47	22.44	23.5	1	
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29			
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.68	22.78	22.62	23.5	1	
5	16QAM	1	24	22.71	22.54	22.47			
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52			
5	64QAM	1	24	21.51	21.47	21.46	22.5	2	
5	64QAM	12	0	20.63	20.46	20.35			
5	64QAM	12	7	20.56	20.56	20.37			
5	64QAM	12	13	20.45	20.35	20.35			
5	64QAM	25	0	20.57	20.58	20.47	21.5	3	

Band 41_Ant 1													
BW (MHz)	Modulation	RS Type	RS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on time (s)	APRS (dB)			
Channel				36750	40165	40600	41005	41400					
Frequency (MHz)				2500	2645.5	2690	2835.5	2880					
20	QPSK	1	5	23.18	23.30	23.35	23.38	23.40	24.5	0			
20	QPSK	1	49	23.04	22.98	23.03	23.20	23.43					
20	QPSK	1	96	22.93	22.92	23.01	23.20	23.43					
20	QPSK	56	5	22.12	22.10	22.48	22.32	22.63					
20	QPSK	56	24	21.97	21.88	22.42	22.13	22.35					
20	QPSK	56	36	21.84	21.87	22.43	22.13	22.41	23.5	1			
20	QPSK	100	5	22.08	22.00	22.41	22.12	22.30					
20	QPSK	100	5	22.11	22.00	22.43	22.09	22.28					
20	QPSK	100	5	22.05	22.05	22.43	22.09	22.30					
20	QPSK	100	5	22.08	22.00	22.41	22.12	22.30					
20	QPSK	100	5	22.11	22.00	22.43	22.09	22.28	22.5	2			
20	QPSK	100	5	22.05	22.05	22.43	22.09	22.30					
20	QPSK	100	5	22.08	22.00	22.41	22.12	22.30					
20	QPSK	100	5	22.11	22.00	22.43	22.09	22.28					
20	QPSK	100	5	22.05	22.05	22.43	22.09	22.30					
20	QPSK	100	5	22.08	22.00	22.41	22.12	22.30	21.5	3			
20	QPSK	100	5	22.11	22.00	22.43	22.09	22.28					
20	QPSK	100	5	22.05	22.05	22.43	22.09	22.30					
20	QPSK	100	5	22.08	22.00	22.41	22.12	22.30					
20	QPSK	100	5	22.11	22.00	22.43	22.09	22.28					
Channel				36755	40173	40600	41008	41410	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2500.5	2646.3	2690.5	2836.3	2880.5					
15	QPSK	1	5	23.13	23.17	23.13	23.40	23.63	24.5	0			
15	QPSK	1	37	22.90	22.94	23.12	23.37	23.60					
15	QPSK	1	74	22.86	22.88	23.01	23.49	23.68					
15	QPSK	36	5	22.98	23.07	23.11	23.36	23.63					
15	QPSK	36	20	21.90	21.85	22.08	22.30	22.63					
15	QPSK	36	30	21.86	21.80	22.11	22.31	22.61	23.5	1			
15	QPSK	75	5	22.98	23.07	23.11	23.36	23.63					
15	QPSK	75	1	22.91	21.97	22.08	22.18	22.38					
15	QPSK	1	37	22.90	22.94	22.99	22.38	22.35					
15	QPSK	1	74	21.86	21.81	21.84	21.88	21.93					
15	QPSK	36	5	21.90	20.78	20.95	21.30	21.28	22.5	2			
15	QPSK	36	20	20.86	20.78	21.09	21.35	21.37					
15	QPSK	36	30	20.86	20.78	21.09	21.35	21.37					
15	QPSK	75	5	20.83	20.83	21.03	21.22	21.30					
15	QPSK	75	1	20.78	20.72	20.87	20.98	21.08					
15	QPSK	1	5	20.77	20.54	20.77	20.98	21.08	21.5	3			
15	QPSK	1	37	20.78	20.72	20.87	20.98	21.08					
15	QPSK	1	74	20.78	20.72	20.87	20.98	21.08					
15	QPSK	36	5	20.83	20.88	20.88	21.05	20.94					
15	QPSK	36	5	19.83	19.81	20.14	20.22	20.41					
15	QPSK	36	20	19.82	19.81	20.14	20.22	20.41	20.5	3			
15	QPSK	36	30	19.88	19.81	20.08	20.28	20.31					
15	QPSK	75	5	19.83	19.88	20.15	20.22	20.41					
Channel				36755	40173	40600	41008	41410	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2500.5	2646.3	2690.5	2836.3	2880.5					
10	QPSK	1	5	23.07	22.90	22.22	23.36	23.42	24.5	0			
10	QPSK	1	25	22.97	22.84	22.16	22.82	23.41					
10	QPSK	1	49	22.89	22.88	22.94	23.34	23.40					
10	QPSK	25	5	22.70	22.91	22.17	22.41	22.42					
10	QPSK	25	12	21.94	21.81	22.01	22.36	22.39					
10	QPSK	25	12	21.84	21.81	22.10	22.32	22.31	23.5	1			
10	QPSK	50	5	22.05	21.93	22.15	22.19	22.39					
10	QPSK	50	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	50	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	50	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79	22.5	2			
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79	21.5	3			
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
10	QPSK	100	5	22.05	22.08	22.02	22.03	22.79					
Channel				36755	40173	40600	41008	41410	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2500.5	2646.3	2690.5	2836.3	2880.5					
5	QPSK	1	5	23.11	22.85	23.11	23.47	23.43	24.5	0			
5	QPSK	1	12	22.93	22.94	23.10	23.38	23.40					
5	QPSK	1	24	22.83	22.77	22.83	23.43	23.42					
5	QPSK	1	36	22.81	23.06	22.21	22.35	22.38					
5	QPSK	12	7	21.88	21.88	22.12	22.38	22.30					
5	QPSK	12	19	21.89	21.86	22.13	22.31	22.39	23.5	1			
5	QPSK	25	5	22.01	21.89	21.97	22.23	22.35					
5	QPSK	25	5	21.99	21.92	21.88	22.27	22.42					
5	QPSK	1	12	21.81	21.96	22.09	22.28	22.29					
5	QPSK	1	24	21.90	21.97	22.12	22.27	22.27					
5	QPSK	12	5	20.91	20.91	20.93	21.29	21.39	22.5	2			
5	QPSK	12	7	20.89	20.91	21.00	21.52	21.59					
5	QPSK	12	13	20.90	20.89	21.09	21.10	21.47					
5	QPSK	1	5	20.79	20.90	20.76	20.99	20.91					
5	QPSK	1	12	20.82	20.98	20.94	21.11	21.11					
5	QPSK	1	24	20.53	20.58	20.85	21.15	20.98	21.5	3			
5	QPSK	12	5	19.83	19.17	20.02	20.74	20.70					
5	QPSK	12	7	19.90	19.82	20.05	20.28	20.34					
5	QPSK	12	13	19.84	19.82	20.08	20.22	20.31					

Part 96_Band 48_Ant 1										
BW (MHz)	Modulation	FS Rate	FS Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	APRS (dB)	
Channel										
Frequency (MHz)										
				5555	5655	5645	5655			
20	QPSK	1	0	22.51	22.48	22.51	22.48			
20	QPSK	1	48	22.49	22.37	22.41	22.41	23	0	
20	QPSK	1	80	22.41	22.37	22.41	22.41			
20	QPSK	50	0	21.58	21.55	21.51	21.50			
20	QPSK	50	24	21.48	21.51	21.50	21.55	22	1	
20	QPSK	50	50	21.43	21.51	21.44	21.45			
20	QPSK	100	0	21.58	21.42	21.50	21.48			
20	QPSK	1	0	21.49	21.58	21.53	21.57	22	1	
20	QPSK	50	0	21.44	21.54	21.48	21.48			
20	QPSK	1	96	21.49	21.48	21.51	21.48			
20	QPSK	50	0	20.47	20.58	20.50	20.50			
20	QPSK	50	24	20.37	20.54	20.50	20.56	21	2	
20	QPSK	50	50	20.35	20.55	20.48	20.59			
20	QPSK	100	0	20.37	20.54	20.50	20.56			
20	QPSK	1	0	20.11	20.30	20.25	20.30			
20	QPSK	1	96	20.36	20.51	20.52	20.59	21	2	
20	QPSK	1	96	20.34	20.54	20.47	20.45			
20	QPSK	50	24	19.37	19.51	19.42	19.39	20	3	
20	QPSK	50	50	19.39	19.41	19.37	19.40			
20	QPSK	100	0	19.34	19.50	19.40	19.39			
Channel										
Frequency (MHz)										
				5615	5650	5640	5655	Turn-on time (sec)	APRS (dB)	
15	QPSK	1	0	22.73	22.68	22.68	22.73			
15	QPSK	1	37	22.43	22.18	22.26	22.27	23	0	
15	QPSK	1	74	22.32	22.28	22.23	22.35			
15	QPSK	36	0	21.44	21.34	21.41	21.39			
15	QPSK	36	24	21.34	21.34	21.41	21.39	22	1	
15	QPSK	36	50	21.33	21.31	21.27	21.27			
15	QPSK	1	0	21.43	21.39	21.38	21.44			
15	QPSK	1	97	21.34	21.38	21.28	21.33	22	1	
15	QPSK	36	0	20.42	20.43	20.40	20.45			
15	QPSK	36	24	20.32	20.44	20.40	20.32	21	2	
15	QPSK	36	50	20.30	20.38	20.47	20.29			
15	QPSK	75	0	20.20	20.38	20.47	20.29			
15	QPSK	1	0	19.53	19.57	19.52	19.59	21	2	
15	QPSK	36	0	19.44	19.48	19.45	19.45			
15	QPSK	1	74	19.16	19.36	19.35	19.32			
15	QPSK	36	0	19.27	19.47	19.46	19.42			
15	QPSK	36	24	19.20	19.41	19.39	19.23	20	3	
15	QPSK	36	50	19.15	19.36	19.35	19.32			
15	QPSK	75	0	19.14	19.43	19.35	19.32			
Channel										
Frequency (MHz)										
				5650	5651.5	5648.5	5655	Turn-on time (sec)	APRS (dB)	
10	QPSK	1	0	22.31	22.32	22.27	22.36			
10	QPSK	1	24	22.34	22.21	22.36	22.27	23	0	
10	QPSK	1	48	22.27	22.30	22.19	22.53			
10	QPSK	25	0	21.50	21.50	21.41	21.50	22	1	
10	QPSK	25	12	21.52	21.56	21.50	21.51			
10	QPSK	50	0	21.45	21.38	21.41	21.28	22	1	
10	QPSK	1	0	21.44	21.48	21.50	21.45			
10	QPSK	1	48	21.40	21.37	21.46	21.36	22	1	
10	QPSK	25	0	20.33	20.38	20.34	20.33			
10	QPSK	25	12	20.17	20.33	20.40	20.33	21	2	
10	QPSK	1	0	20.02	20.01	20.03	20.03			
10	QPSK	1	25	20.17	20.40	20.44	20.23	21	2	
10	QPSK	1	48	20.28	20.40	20.33	20.25			
10	QPSK	25	0	19.24	19.39	19.38	19.38			
10	QPSK	25	12	19.25	19.38	19.30	19.34	20	3	
10	QPSK	25	25	19.19	19.21	19.40	19.20			
10	QPSK	50	0	19.28	19.42	19.38	19.28			
Channel										
Frequency (MHz)										
				5650	5651.5	5648.5	5655	Turn-on time (sec)	APRS (dB)	
5	QPSK	1	0	22.25	22.29	22.24	22.38			
5	QPSK	1	12	22.29	22.26	22.22	22.23	23	0	
5	QPSK	1	24	22.29	22.28	22.18	22.49			
5	QPSK	12	0	21.48	21.47	21.45	21.49	22	1	
5	QPSK	12	7	21.28	21.41	21.35	21.22			
5	QPSK	25	0	21.38	21.24	21.43	21.29			
5	QPSK	1	0	21.40	21.47	21.45	21.40	22	1	
5	QPSK	1	24	21.35	21.30	21.35	21.38			
5	QPSK	12	0	20.42	20.40	20.40	20.40			
5	QPSK	12	7	20.54	20.51	20.49	20.29	21	2	
5	QPSK	25	0	20.50	20.50	20.50	20.50			
5	QPSK	1	12	20.24	20.45	20.34	20.25	21	2	
5	QPSK	1	24	20.21	20.38	20.38	20.25			
5	QPSK	12	0	19.36	19.41	19.41	19.34			
5	QPSK	12	7	19.18	19.43	19.35	19.17	20	3	
5	QPSK	12	13	19.30	19.34	19.37	19.25			
5	QPSK	25	0	19.19	19.38	19.33	19.25			

Part 96_Band 48_Ant 3										
BW (MHz)	Modulation	FS Rate	FS Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	APRS (dB)	
Channel										
Frequency (MHz)										
				5650	5650	5650	5650			
20	QPSK	1	0	22.38	22.40	22.32	22.40			
20	QPSK	1	48	22.49	22.39	22.50	22.52	23	0	
20	QPSK	1	96	22.51	22.35	22.50	22.52			
20	QPSK	50	0	21.57	21.42	21.50	21.42			
20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	
20	QPSK	50	50	21.48	21.37	21.42	21.42			
20	QPSK	100	0	21.55	21.31	21.44	21.38			
20	QPSK	1	0	21.53	21.32	21.47	21.50	22	1	
20	QPSK	1	48	21.48	21.30	21.44	21.33			
20	QPSK	1	96	21.36	21.28	21.44	21.38			
20	QPSK	50	0	20.56	20.58	20.53	20.43			
20	QPSK	50	24	20.44	20.52	20.44	20.36	21	2	
20	QPSK	50	50	20.44	20.29	20.52	20.50			
20	QPSK	100	0	20.41	20.50	20.43	20.41			
20	QPSK	1	0	20.54	20.27	20.40	20.30			
20	QPSK	1	48	20.46	20.25	20.52	20.31	21	2	
20	QPSK	1	96	20.46	20.33	20.52	20.31			
20	QPSK	50	24	19.50	19.41	19.48	19.35	20	3	
20	QPSK	50	50	19.53	19.52	19.51	19.58			
20	QPSK	100	0	19.54	19.40	19.45	19.37			
Channel										
Frequency (MHz)										
				5615	5615	5615	5615	Turn-on time (sec) <td>APRS (dB)<td></td></td>	APRS (dB) <td></td>	
15	QPSK	1	0	22.48	22.19	22.45	22.43			
15	QPSK	1	37	22.38	22.17	22.48	22.28	23	0	
15	QPSK	1	74	22.45	22.09	22.47	22.19			
15	QPSK	36	0	21.48	21.33	21.40	21.35			
15	QPSK	36	24	21.38	20.99	21.38	21.28	22	1	
15	QPSK	36	50	21.46	21.13	21.27	21.24			
15	QPSK	1	0	21.47	21.40	21.36	21.43			
15	QPSK	1	97	21.30	21.11	21.38	21.14	22	1	
15	QPSK	36	0	20.43	20.42	20.40	20.43			
15	QPSK	36	24	20.34	20.17	20.50	20.42	21	2	
15	QPSK	36	50	20.30	20.10	20.37	20.30			
15	QPSK	75	0	20.28	20.14	20.39	20.27			
15	QPSK	75	0	20.32	20.14	20.38	20.37			
15	QPSK	1	0	20.50	20.01	20.35	20.26	21	2	
15	QPSK	36	0	20.35	20.07	20.44	20.35			
15	QPSK	1	74	20.35	20.16	20.41	20.35			
15	QPSK	36	0	19.55	19.19	19.48	19.31	20	3	
15	QPSK	36	24	19.45	19.17	19.45	19.20			
15	QPSK	36	50	19.48	19.05	19.38	19.28			
15	QPSK	75	0	19.42	19.12	19.30	19.18			
Channel										
Frequency (MHz)										
				5650	5651.5	5648.5		Turn-on time (sec) <td>APRS (dB)<td></td></td>	APRS (dB) <td></td>	
10	QPSK	1	0	22.37	22.38	22.36	22.37			
10	QPSK	1	24	22.45	22.22	22.44	22.19			
10	QPSK	1	48	22.43	22.19	22.39	22.14	23	0	
10	QPSK	1	72	22.51	22.25	22.45	22.17			
10	QPSK	25	12	21.58	21.53	21.55	21.51			
10	QPSK	50	0	21.43	21.32	21.27	21.24	22	1	
10	QPSK	50	24	21.35	21.25	21.43	21.33			
10	QPSK	50	50	21.45	21.33	21.40	21.24			
10	QPSK	1	48	21.47	21.37	21.39	21.24	22	1	
10	QPSK	25	0	20.43	20.17	20.47	20.29			
10	QPSK	25	24	20.34	20.10	20.40	20.23	21	2	
10	QPSK	25	50	20.38	20.08	20.37	20.25			
10	QPSK	50	0	20.27	20.12	20.29	20.39			
10	QPSK	50	24	20.18	20.07	20.28	20.31	20	3	
10	QPSK	1	24	20.34	20.13	20.43	20.17	21	2	
10	QPSK	1	48	20.41	20.10	20.43	20.21			
10	QPSK	1	72	20.49	20.13	20.43	20.22			
10	QPSK	25	12	19.56	19.19	19.48	19.19	20	3	
10	QPSK	50	0	19.44	19.12	19.40	19.20			
10	QPSK	50	24	19.31	19.11	19.32	19.21			
Channel										
Frequency (MHz)										
				5650	5651	5650	5651.5	Turn-on time (sec) <td>APRS (dB)<td></td></td>	APRS (dB) <td></td>	
5	QPSK	1	0	22.37	22.38	22.36	22.37			
5	QPSK	1	12	22.41	22.22	22.41	22.21	23	0	
5	QPSK	1	24	22.51	22.08	22.46	22.17			
5	QPSK	1	36	22.57	22.15	22.45	22.27			
5	QPSK	12	7	21.53	21.54	21.53	21.54	22	1	
5	QPSK	12	15	21.43	21.44	21.28	21.33			
5	QPSK	12	23	21.43	21.44	21.28	21.33			
5	QPSK	1	0	21.43	21.15	21.38	21.28			
5	QPSK	1	12	21.43	21.15	21.38	21.28			
5	QPSK	1	24	21.44	21.01	21.32	21.31	21	2	
5	QPSK	12	0	20.51	20.11	20.50	20.32			
5	QPSK	12	12	20.51	20.11	20.50	20.32			
5	QPSK	12	15	20.50	20.05	20.48	20.24	21	2	
5	QPSK	12	23	20.47	20.02	20.49	20.30			
5	QPSK	1	0	20.50	20.05	20.47	20.31			
5	QPSK	1	12	20.53	20.15	20.38	20.16	21	2	
5	QPSK	1	24	20.37	20.19	20.43	20.28			
5	QPSK	12	0	19.49	19.11	19.48	19.20	20	3	
5	QPSK	12	7	19.49	19.20	19.45	19.22			
5	QPSK	12	15	19.43	19.13	19.40	19.20			
5	QPSK	12	23	19.43	19.13	19.40	19.20			

Reduced Power Mode for ECI 11

Band 2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	19100			
				18800	18900	19000			
20	QPSK	1	0	19.31	19.39	19.33			
20	QPSK	1	49	19.23	19.19	19.16		20.5	0
20	QPSK	1	99	19.12	19.22	19.23			
20	QPSK	50	0	19.26	19.32	19.30			
20	QPSK	50	24	19.17	19.26	19.16			
20	QPSK	50	50	19.06	19.17	19.21		20.5	0
20	QPSK	100	0	19.24	19.28	19.23			
20	16QAM	1	0	19.06	19.29	19.14			
20	16QAM	1	49	19.32	19.25	19.15		20.5	0
20	16QAM	1	99	19.17	19.29	19.08			
20	16QAM	50	0	19.24	19.35	19.19			
20	16QAM	50	24	19.24	19.16	19.15			
20	16QAM	50	50	19.11	19.23	19.19		20.5	0
20	16QAM	100	0	19.31	19.20	19.13			
20	64QAM	1	0	19.22	19.28	19.08			
20	64QAM	1	49	19.18	19.11	19.19		20.5	0
20	64QAM	1	99	19.22	19.13	19.17			
20	64QAM	50	0	19.23	19.32	19.23			
20	64QAM	50	24	19.18	19.22	19.16			
20	64QAM	50	50	19.21	19.17	19.13		20.5	0
20	64QAM	100	0	19.13	19.28	19.14			
Channel									
Frequency (MHz)				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.22	19.28	19.27			
15	QPSK	1	37	19.21	19.14	19.20		20.5	0
15	QPSK	1	74	19.10	19.14	19.03			
15	QPSK	36	0	19.22	19.29	19.24			
15	QPSK	36	20	19.07	19.26	19.11		20.5	0
15	QPSK	36	39	19.93	19.06	19.11			
15	QPSK	75	0	19.19	19.27	19.15			
15	16QAM	1	0	19.06	19.25	19.13			
15	16QAM	1	37	19.18	19.17	19.04		20.5	0
15	16QAM	1	74	19.02	19.18	19.01			
15	16QAM	36	0	19.12	19.30	19.11			
15	16QAM	36	20	19.17	19.10	19.14		20.5	0
15	16QAM	36	39	19.98	19.15	19.14			
15	16QAM	75	0	19.19	19.18	19.11			
15	64QAM	1	0	19.09	19.27	19.04			
15	64QAM	1	37	19.11	19.02	19.04		20.5	0
15	64QAM	1	74	19.11	19.05	19.05			
15	64QAM	36	0	19.15	19.19	19.09			
15	64QAM	36	20	19.03	19.11	19.13		20.5	0
15	64QAM	36	39	19.17	19.13	19.06			
15	64QAM	75	0	19.12	19.16	19.11			
Channel									
Frequency (MHz)				18650	18800	19150	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.19	19.30	19.22			
10	QPSK	1	25	19.12	19.04	19.05		20.5	0
10	QPSK	1	49	19.06	19.16	19.14			
10	QPSK	25	0	19.17	19.27	19.27			
10	QPSK	25	12	19.04	19.13	19.05			
10	QPSK	25	25	19.01	19.03	19.07		20.5	0
10	QPSK	50	0	19.23	19.16	19.09			
10	16QAM	1	0	19.04	19.18	19.09			
10	16QAM	1	25	19.22	19.17	19.02		20.5	0
10	16QAM	1	49	19.11	19.20	19.98			
10	16QAM	25	0	19.11	19.21	19.15			
10	16QAM	25	12	19.12	19.02	19.02			
10	16QAM	25	25	19.07	19.17	19.13		20.5	0
10	16QAM	50	0	19.24	19.10	19.10			
10	64QAM	1	0	19.15	19.22	19.08			
10	64QAM	1	25	19.13	19.05	19.09		20.5	0
10	64QAM	1	49	19.12	19.05	19.06			
10	64QAM	25	0	19.15	19.17	19.11			
10	64QAM	25	12	19.04	19.19	19.09			
10	64QAM	25	25	19.14	19.12	19.98		20.5	0
10	64QAM	50	0	19.08	19.25	19.10			
Channel									
Frequency (MHz)				18625	18800	19175	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.20	19.31	19.29			
5	QPSK	1	12	19.16	19.14	19.15		20.5	0
5	QPSK	1	24	19.04	19.15	19.17			
5	QPSK	12	0	19.17	19.31	19.15			
5	QPSK	12	7	19.13	19.18	19.02			
5	QPSK	12	13	19.00	19.14	19.10		20.5	0
5	QPSK	25	0	19.17	19.26	19.14			
5	16QAM	1	0	19.01	19.27	19.04			
5	16QAM	1	12	19.25	19.17	19.03		20.5	0
5	16QAM	1	24	19.08	19.29	19.98			
5	16QAM	12	0	19.20	19.27	19.08			
5	16QAM	12	7	19.16	19.05	19.12			
5	16QAM	12	13	19.07	19.21	19.12		20.5	0
5	16QAM	25	0	19.30	19.14	19.98			
5	64QAM	1	0	19.16	19.27	19.98			
5	64QAM	1	12	19.17	19.05	19.09		20.5	0
5	64QAM	1	24	19.21	19.00	19.99			
5	64QAM	12	0	19.17	19.23	19.12			
5	64QAM	12	7	19.13	19.15	19.11			
5	64QAM	12	13	19.15	19.10	19.08		20.5	0
5	64QAM	25	0	19.04	19.14	19.09			
Channel									
Frequency (MHz)				18615	18800	19185	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	19.19	19.34	19.31			
3	QPSK	1	8	19.14	19.12	19.06		20.5	0
3	QPSK	1	14	19.11	19.07	19.16			
3	QPSK	8	0	19.22	19.22	19.16			
3	QPSK	8	4	19.15	19.16	19.01		20.5	0
3	QPSK	8	7	19.04	19.15	19.10			
3	QPSK	15	0	19.13	19.19	19.16			
3	16QAM	1	0	19.98	19.24	19.04			
3	16QAM	1	8	19.28	19.14	19.14		20.5	0
3	16QAM	1	14	19.04	19.23	19.94			
3	16QAM	8	0	19.10	19.30	19.13			
3	16QAM	8	4	19.16	19.03	19.02			
3	16QAM	8	7	19.98	19.13	19.04		20.5	0
3	16QAM	15	0	19.23	19.16	19.02			
3	64QAM	1	0	19.12	19.27	19.05			
3	64QAM	1	14	19.17	19.05	19.08		20.5	0
3	64QAM	1	14	19.19	19.00	19.99			
3	64QAM	8	0	19.13	19.24	19.15			
3	64QAM	8	4	19.10	19.12	19.08			
3	64QAM	8	7	19.11	19.16	19.98		20.5	0
3	64QAM	15	0	19.07	19.16	19.08			
Channel									
Frequency (MHz)				18607	18800	19193	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	19.18	19.33	19.19			
1.4	QPSK	1	3	19.09	19.18	19.13		20.5	0
1.4	QPSK	1	9	19.07	19.13	19.20			
1.4	QPSK	3	0	19.14	19.26	19.20			
1.4	QPSK	3	1	19.14	19.22	19.11			
1.4	QPSK	3	3	19.01	19.13	19.11			
1.4	16QAM	1	0	19.92	19.16	19.11		20.5	0
1.4	16QAM	1	3	19.18	19.20	19.06			
1.4	16QAM	1	5	19.13	19.24	19.98		20.5	0
1.4	16QAM	3	0	19.09	19.28	19.12			
1.4	16QAM	3	1	19.23	19.09	19.00			
1.4	16QAM	3	3	19.10	19.16	19.17			
1.4	16QAM	6	0	19.28	19.16	19.10		20.5	0
1.4	64QAM	1	0	19.07	19.19	19.98			
1.4	64QAM	1	3	19.03	19.03	19.11			
1.4	64QAM	1	5	19.08	19.05	19.13		20.5	0
1.4	64QAM	3	0	19.08	19.28	19.14			
1.4	64QAM	3	1	19.06	19.12	19.09			
1.4	64QAM	3	3	19.08	19.08	19.04		20.5	0
1.4	64QAM	6	0	19.98	19.13	19.13		20.5	0

Band 2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	23.30	23.35	23.44			
20	QPSK	1	49	23.42	23.45	23.40		24.5	0
20	QPSK	1	99	23.34	23.24	23.24			
20	QPSK	50	0	22.43	22.45	22.39			
20	QPSK	50	24	22.37	22.37	22.37			
20	QPSK	50	50	22.35	22.35	22.35		23.5	1
20	QPSK	100	0	22.40	22.42	22.34			
20	16QAM	1	0	22.88	22.74	22.70			
20	16QAM	1	49	22.73	22.66	22.82		23.5	1
20	16QAM	1	99	22.57	22.70	22.55			
20	16QAM	50	0	21.39	21.48	21.38			
20	16QAM	50	24	21.38	21.48	21.38			
20	16QAM	50	50	21.35	21.35	21.27		22.5	2
20	16QAM	100	0	21.38	21.40	21.34			
20	64QAM	1	0	21.67	21.58	21.54			
20	64QAM	1	49	21.38	21.60	21.32		22.5	2
20	64QAM	1	99	21.31	21.60	21.32			
20	64QAM	50	0	20.43	20.43	20.33			
20	64QAM	50	24	20.40	20.40	20.36			
20	64QAM	50	50	20.38	20.38	20.26		21.5	3
20	64QAM	100	0	20.37	20.39	20.35			
Channel									
Frequency (MHz)				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
				1857.5	1880	1902.5			
15	QPSK	1	0	23.49	23.29	23.23			
15	QPSK	1	37	23.40	23.47	23.33		24.5	0
15	QPSK	1	74	23.20	23.21	23.14			
15	QPSK	36	0	22.30	22.29	22.30			
15	QPSK	36	20	22.28	22.25	22.35		23.5	1
15	QPSK	36	39	22.22	22.24	22.22			
15	QPSK	75	0	22.41	22.38	22.27			
15	16QAM	1	0	22.66	22.73	22.55			
15	16QAM	1	37	22.61	22.65	22.69		23.5	1
15	16QAM	1	74	22.62	22.54	22.58			
15	16QAM	36	0	21.47	21.32	21.31			
15	16QAM	36	20	21.29	21.31	21.31		22.5	2
15	16QAM	36	39	21.29	21.23	21.20			
15	16QAM	75	0	21.57	21.57	21.33			
15	64QAM	1	0	21.48	21.58	21.42		22.5	2
15	64QAM	1	37	21.53	21.27	21.12			
15	64QAM	1	74	21.45	21.28	21.24			
15	64QAM	36	0	20.40	20.38	20.30			
15	64QAM	36	20	20.28	20.34	20.26		21.5	3
15	64QAM	36	39	20.21	20.25	20.17			
15	64QAM	75	0	20.25	20.25	20.24			
Channel									
Frequency (MHz)				18550	18900	19150	Tune-up limit (dBm)	MPR (dB)	
				18550	1880	19050			
10	QPSK	1	0	23.39	23.33	23.32			
10	QPSK	1	25	23.48	23.43	23.41		24.5	0
10	QPSK	1	49	23.22	23.22	23.15			
10	QPSK	25	0	22.35	22.40	22.26			
10	QPSK	25	12	22.35	22.29	22.29		23.5	1
10	QPSK	50	0	22.40	22.29	22.21			
10	16QAM	1	0	22.60	22.67	22.57			
10	16QAM	1	25	22.61	22.60	22.72		23.5	1
10	16QAM	1	49	22.58	22.52	22.48			
10	16QAM	25	0	21.41	21.36	21.34			
10	16QAM	25	12	21.28	21.36	21.20		22.5	2
10	16QAM	25	25	21.21	21.28	21.16			
10	16QAM	50	0	21.27	21.26	21.26			
10	64QAM	1	0	21.63	21.62	21.45			
10	64QAM	1	25	21.57	21.51	21.25		22.5	2
10	64QAM	1	49	21.58	21.24	21.25			
10	64QAM	25	0	20.40	20.28	20.18			
10	64QAM	25	12	20.26	20.32	20.34		21.5	3
10	64QAM	25	25	20.24	20.24	20.25			
10	64QAM	50	0	20.25	20.23	20.23			
Channel									
Frequency (MHz)				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.42	23.31	23.31			
5	QPSK	1	12	23.52	23.38	23.33		24.5	0
5	QPSK	1	24	23.18	23.28	23.13			
5	QPSK	12	0	22.30	22.39	22.32			
5	QPSK	12	7	22.32	22.22	22.25		23.5	1
5	QPSK	12	13	22.21	22.30	22.23			
5	QPSK	25	0	22.27	22.39	22.28			
5	16QAM	1	0	22.59	22.73	22.57			
5	16QAM	1	12	22.61	22.72	22.47		23.5	1
5	16QAM	1	24	22.63	22.55	22.47			
5	16QAM	12	0	21.44	21.38	21.30			
5	16QAM	12	7	21.25	21.41	21.24		22.5	2
5	16QAM	12	13	21.25	21.20	21.12			
5	16QAM	25	0	21.36	21.36	21.24			
5	64QAM	1	0	21.44	21.64	21.43			
5	64QAM	1	12	21.46	21.31	21.18		22.5	2
5	64QAM	1	24	21.46	21.46	21.25			
5	64QAM	12	0	20.31	20.29	20.29			
5	64QAM	12	7	20.38	20.26	20.23		21.5	3
5	64QAM	12	13	20.30	20.34	20.14			
5	64QAM	25	0	20.32	20.31	20.24			
Channel									
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.43	23.29	23.28			
3	QPSK	1	8	23.43	23.48	23.38		24.5	0
3	QPSK	1	14	23.35	23.46	23.24			
3	QPSK	8	0	22.35	22.42	22.28			
3	QPSK	8	4	22.35	22.22	22.22		23.5	1
3	QPSK	8	7	22.21	22.31	22.21			
3	QPSK	15	0	22.32	22.29	22.26			
3	16QAM	1	0	22.64	22.77	22.56			
3	16QAM	1	8	22.58	22.69	22.59		23.5	1
3	16QAM	1	14	22.55	22.46	22.46			
3	16QAM	8	0	21.37	21.37	21.35			
3	16QAM	8	4	21.26	21.42	21.32		22.5	2
3	16QAM	8	7	21.30	21.23	21.12			
3	16QAM	15	0	21.34	21.25	21.31			
3	64QAM	1	0	21.44	21.64	21.41			
3	64QAM	1	8	21.46	21.27	21.14		22.5	2
3	64QAM	1	14	21.47	21.28	21.15			
3	64QAM	8	0	20.40	20.40	20.24			
3	64QAM	8	4	20.29	20.25	20.25		21.5	3
3	64QAM	8	7	20.25	20.28	20.21			
3	64QAM	15	0	20.36	20.28	20.28			
Channel									
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.50	23.37	23.20			
1.4	QPSK	1	3	23.51	23.43	23.37		24.5	0
1.4	QPSK	1	5	23.19	23.20	23.23			
1.4	QPSK	3	0	23.45	23.29	23.31			
1.4	QPSK	3	1	23.46	23.42	23.36			
1.4	QPSK	3	3	23.17	23.29	23.23			
1.4	QPSK	6	0	22.27	22.25	22.32		23.5	1
1.4	16QAM	1	0	22.63	22.76	22.68			
1.4	16QAM	1	3	22.65	22.60	22.80			
1.4	16QAM	1	5	22.57	22.54	22.24		23.5	1
1.4	16QAM	3	0	22.63	22.83	22.55			
1.4	16QAM	3	1	22.57	22.59	22.81			
1.4	16QAM	3	3	22.58	22.46	22.29			
1.4	16QAM	6	0	21.37	21.27	21.24		22.5	2
1.4	64QAM	1	0	21.57	21.61	21.39			
1.4	64QAM	1	3	21.52	21.28	21.17			
1.4	64QAM	1	5	21.50	21.17	21.25			
1.4	64QAM	3	0	21.44	21.62	21.49		22.5	2
1.4	64QAM	3	1	21.45	21.45	21.25			
1.4	64QAM	3	3	21.52	21.18	21.22			
1.4	64QAM	6	0	20.38	20.30	20.32		21.5	3

Band 4_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
				1720	1732.5	1745			
20	QPSK	1	0	20.05	20.05	20.05	21.5	0	
20	QPSK	1	49	20.05	20.09	20.14			
20	QPSK	1	99	20.16	20.10	20.13			
20	QPSK	50	0	20.15	20.20	20.12			
20	QPSK	50	24	20.04	20.18	20.07			
20	QPSK	50	50	20.07	20.11	20.01			
20	QPSK	100	0	20.12	20.18	20.16			
20	16QAM	1	0	20.02	20.14	20.13			
20	16QAM	1	49	20.08	20.13	20.08			
20	16QAM	1	99	20.02	20.31	20.02			
20	16QAM	50	0	19.98	20.24	20.16			
20	16QAM	50	24	20.13	20.20	20.21			
20	16QAM	50	50	19.99	20.10	19.99			
20	16QAM	100	0	20.10	20.18	20.06			
20	64QAM	1	0	19.91	20.09	20.05			
20	64QAM	1	49	20.11	20.17	20.08			
20	64QAM	1	99	20.08	20.13	20.18			
20	64QAM	50	0	20.24	20.22	20.21			
20	64QAM	50	24	20.27	20.21	20.27			
20	64QAM	50	50	20.21	20.19	20.27			
20	64QAM	100	0	20.23	20.19	20.25			
Channel									
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1732.5	1747.5			
15	QPSK	1	0	20.12	20.25	20.19	21.5	0	
15	QPSK	1	37	20.03	20.02	20.13			
15	QPSK	1	74	20.06	20.06	20.11			
15	QPSK	36	0	20.04	20.09	19.97			
15	QPSK	36	20	19.90	20.14	19.98			
15	QPSK	36	39	20.00	20.07	19.97			
15	QPSK	75	0	19.98	20.07	20.06			
15	16QAM	1	0	19.91	20.03	20.01			
15	16QAM	1	37	20.07	20.02	19.95			
15	16QAM	1	74	19.99	20.24	19.91			
15	16QAM	36	0	19.96	20.10	20.06			
15	16QAM	36	20	20.11	20.07	20.11			
15	16QAM	36	39	19.93	19.97	19.91			
15	16QAM	75	0	20.01	20.05	20.02			
15	64QAM	1	0	19.91	20.03	20.01			
15	64QAM	1	37	19.96	20.05	20.04			
15	64QAM	1	74	20.06	20.06	20.03			
15	64QAM	36	0	20.16	20.11	20.15			
15	64QAM	36	20	20.26	20.12	20.24			
15	64QAM	36	39	20.12	20.17	20.15			
15	64QAM	75	0	20.21	20.16	20.21			
Channel									
Frequency (MHz)				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
				1715	1732.5	1750			
10	QPSK	1	0	20.05	20.20	20.20	21.5	0	
10	QPSK	1	25	20.00	20.00	19.99			
10	QPSK	1	49	20.09	20.00	20.06			
10	QPSK	25	0	20.11	20.11	19.97			
10	QPSK	25	12	19.93	20.13	19.98			
10	QPSK	25	25	20.05	20.03	19.98			
10	QPSK	50	0	19.98	20.11	20.02			
10	16QAM	1	0	19.95	20.08	20.05			
10	16QAM	1	25	19.97	20.07	19.97			
10	16QAM	1	49	19.97	20.22	19.98			
10	16QAM	25	0	19.85	20.17	20.02			
10	16QAM	25	12	19.99	20.08	20.16			
10	16QAM	25	25	19.98	19.95	19.86			
10	16QAM	50	0	20.03	20.12	20.02			
10	16QAM	1	0	19.91	20.02	19.90			
10	64QAM	1	25	20.04	20.15	19.97			
10	64QAM	1	49	20.00	20.02	20.17			
10	64QAM	25	0	20.19	20.18	20.16			
10	64QAM	25	12	20.21	20.20	20.15			
10	64QAM	25	25	20.16	20.18	20.23			
10	64QAM	50	0	20.17	20.15	20.20			
Channel									
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
				1712.5	1732.5	1752.5			
5	QPSK	1	0	20.08	20.21	20.14	21.5	0	
5	QPSK	1	19	19.97	19.99	20.04			
5	QPSK	1	24	20.11	20.04	20.04			
5	QPSK	12	0	20.08	20.08	19.98			
5	QPSK	12	7	19.97	20.16	20.04			
5	QPSK	12	13	20.01	20.07	19.91			
5	QPSK	25	0	19.98	20.03	20.05			
5	16QAM	1	0	19.92	20.01	20.07			
5	16QAM	1	12	20.05	20.10	19.99			
5	16QAM	1	24	19.96	20.19	19.92			
5	16QAM	12	0	19.87	20.21	20.07			
5	16QAM	12	7	20.10	20.14	20.11			
5	16QAM	12	13	19.88	20.09	19.84			
5	16QAM	25	0	19.97	20.09	19.97			
5	64QAM	1	0	20.00	20.07	19.97			
5	64QAM	1	12	20.15	20.09	20.09			
5	64QAM	1	24	20.00	20.04	20.15			
5	64QAM	12	0	20.17	20.17	20.12			
5	64QAM	12	7	20.26	20.20	20.19			
5	64QAM	12	13	20.08	20.10	20.17			
5	64QAM	25	0	20.22	20.04	20.16			
Channel									
Frequency (MHz)				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
				1711.5	1732.5	1753.5			
3	QPSK	1	0	20.10	20.27	20.17	21.5	0	
3	QPSK	1	8	19.90	19.98	19.98			
3	QPSK	1	14	20.13	19.99	20.09			
3	QPSK	8	0	20.09	20.19	20.04			
3	QPSK	8	4	19.93	20.11	20.00			
3	QPSK	8	7	20.02	20.09	19.94			
3	QPSK	15	0	19.98	20.11	20.08			
3	16QAM	1	0	19.99	20.07	20.04			
3	16QAM	1	8	20.05	20.12	19.97			
3	16QAM	1	14	19.97	20.20	19.97			
3	16QAM	8	0	19.88	20.13	20.08			
3	16QAM	8	4	20.07	20.08	20.12			
3	16QAM	8	7	19.94	20.07	19.93			
3	16QAM	15	0	19.99	20.05	20.05			
3	64QAM	1	0	19.90	19.99	19.97			
3	64QAM	1	8	20.05	20.12	20.07			
3	64QAM	1	14	20.01	20.00	20.06			
3	64QAM	8	0	20.20	20.14	20.08			
3	64QAM	8	4	20.18	20.17	20.17			
3	64QAM	8	7	20.17	20.13	20.16			
3	64QAM	15	0	20.21	20.14	20.23			
Channel									
Frequency (MHz)				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	20.10	20.27	20.16	21.5	0	
1.4	QPSK	1	3	19.94	20.08	20.09			
1.4	QPSK	1	5	20.03	19.99	20.03			
1.4	QPSK	3	0	20.03	20.15	20.08			
1.4	QPSK	3	1	20.03	20.14	20.05			
1.4	QPSK	3	3	20.04	19.97	19.92			
1.4	QPSK	6	0	19.98	20.12	20.12			
1.4	16QAM	1	0	19.97	20.00	20.09			
1.4	16QAM	1	3	19.95	20.00	19.96			
1.4	16QAM	1	5	19.97	20.24	19.98			
1.4	16QAM	3	0	19.95	20.22	20.14			
1.4	16QAM	3	1	20.07	20.08	20.09			
1.4	16QAM	3	3	19.91	20.02	19.90			
1.4	16QAM	6	0	20.08	20.01	20.03			
1.4	64QAM	1	0	19.94	20.06	19.96			
1.4	64QAM	1	3	20.00	20.02	20.05			
1.4	64QAM	1	5	19.90	19.99	20.03			
1.4	64QAM	3	0	20.21	20.20	20.13			
1.4	64QAM	3	1	20.15	20.10	20.14			
1.4	64QAM	3	3	20.20	20.08	20.20			
1.4	64QAM	6	0	20.09	20.04	20.22			

Band 4_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
				1720	1732.5	1745			
20	QPSK	1	0	23.23	23.40	23.35	24.5	0	
20	QPSK	1	49	23.37	23.29	23.21			
20	QPSK	1	99	23.31	23.26	23.23			
20	QPSK	50	0	22.36	22.39	22.34	23.5	1	
20	QPSK	50	24	22.30	22.37	22.32			
20	QPSK	50	50	22.35	22.29	22.27			
20	QPSK	100	0	22.30	22.35	22.31	23.5	1	
20	16QAM	1	0	22.66	22.44	22.46			
20	16QAM	1	49	22.51	22.46	22.60			
20	16QAM	1	99	22.47	22.60	22.55	22.5	2	
20	16QAM	50	0	21.35	21.38	21.32			
20	16QAM	50	24	21.40	21.28	21.37			
20	16QAM	50	50	21.36	21.31	21.26	22.5	2	
20	16QAM	100	0	21.38	21.32	21.27			
20	64QAM	1	0	21.78	21.71	21.36			
20	64QAM	1	49	21.73	21.43	21.48	21.5	3	
20	64QAM	1	99	21.61	21.47	21.55			
20	64QAM	50	0	20.41	20.46	20.34			
20	64QAM	50	24	20.39	20.34	20.39	21.5	3	
20	64QAM	50	50	20.36	20.33	20.27			
20	64QAM	100	0	20.40	20.33	20.32			
Channel				20092	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.24	23.34	23.25	24.5	0	
15	QPSK	1	37	23.25	23.21	23.19			
15	QPSK	1	74	23.23	23.16	23.12			
15	QPSK	36	0	22.25	22.31	22.33	23.5	1	
15	QPSK	36	20	22.21	22.30	22.18			
15	QPSK	36	39	22.31	22.27	22.16			
15	QPSK	75	0	22.20	22.33	22.29	23.5	1	
15	16QAM	1	0	22.51	22.34	22.33			
15	16QAM	1	37	22.37	22.39	22.48			
15	16QAM	1	74	22.44	22.49	22.52	22.5	2	
15	16QAM	36	0	21.32	21.36	21.27			
15	16QAM	36	20	21.39	21.27	21.32			
15	16QAM	36	39	21.21	21.26	21.18	22.5	2	
15	16QAM	75	0	21.36	21.31	21.20			
15	64QAM	1	0	21.73	21.29	21.31			
15	64QAM	1	37	21.71	21.33	21.44	21.5	3	
15	64QAM	1	74	21.62	21.34	21.44			
15	64QAM	36	0	20.34	20.37	20.33			
15	64QAM	36	20	20.35	20.26	20.30	21.5	3	
15	64QAM	36	39	20.25	20.21	20.21			
15	64QAM	75	0	20.32	20.21	20.21			
Channel				20090	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.24	23.26	23.28	24.5	0	
10	QPSK	1	25	23.27	23.26	23.12			
10	QPSK	1	49	23.28	23.18	23.23			
10	QPSK	25	0	22.23	22.26	22.24	23.5	1	
10	QPSK	25	12	22.18	22.23	22.17			
10	QPSK	25	25	22.27	22.15	22.18			
10	QPSK	50	0	22.21	22.20	22.29	23.5	1	
10	16QAM	1	0	22.50	22.33	22.36			
10	16QAM	1	25	22.41	22.37	22.53			
10	16QAM	1	49	22.46	22.53	22.43	22.5	2	
10	16QAM	25	0	21.30	21.23	21.29			
10	16QAM	25	12	21.27	21.16	21.36			
10	16QAM	25	25	21.24	21.23	21.22	22.5	2	
10	16QAM	50	0	21.25	21.19	21.12			
10	64QAM	1	0	21.64	21.57	21.31			
10	64QAM	1	25	21.62	21.40	21.35	21.5	3	
10	64QAM	1	49	21.52	21.35	21.41			
10	64QAM	25	0	20.32	20.44	20.33			
10	64QAM	25	12	20.35	20.29	20.33	21.5	3	
10	64QAM	25	25	20.31	20.29	20.15			
10	64QAM	50	0	20.36	20.26	20.21			
Channel				16975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1701.5	1732.5	1752.5			
5	QPSK	1	0	23.24	23.36	23.28	24.5	0	
5	QPSK	1	12	23.36	23.31	23.16			
5	QPSK	1	24	23.18	23.25	23.17			
5	QPSK	12	0	22.33	22.29	22.25	23.5	1	
5	QPSK	12	7	22.29	22.22	22.30			
5	QPSK	25	0	22.22	22.34	22.18			
5	16QAM	1	0	22.64	22.30	22.32	23.5	1	
5	16QAM	1	12	22.46	22.34	22.47			
5	16QAM	1	24	22.35	22.57	22.48			
5	16QAM	12	0	21.30	21.31	21.25	22.5	2	
5	16QAM	12	7	21.38	21.25	21.24			
5	16QAM	12	13	21.13	21.23	21.15			
5	16QAM	25	0	21.35	21.31	21.25	22.5	2	
5	64QAM	1	0	21.69	21.67	21.31			
5	64QAM	1	12	21.65	21.41	21.46			
5	64QAM	1	24	21.46	21.34	21.51	21.5	3	
5	64QAM	12	0	20.31	20.31	20.20			
5	64QAM	12	7	20.29	20.32	20.38			
5	64QAM	12	13	20.24	20.21	20.15	21.5	3	
5	64QAM	25	0	20.32	20.29	20.19			
Channel				16965	20175	20385			
Frequency (MHz)				1701.5	1732.5	1754.3			
3	QPSK	1	0	23.32	23.27	23.33	24.5	0	
3	QPSK	1	8	23.24	23.16	23.06			
3	QPSK	1	14	23.19	23.12	23.22			
3	QPSK	8	0	22.30	22.37	22.32	23.5	1	
3	QPSK	8	4	22.27	22.28	22.21			
3	QPSK	15	0	22.21	22.24	22.20			
3	16QAM	1	0	22.64	22.40	22.40	23.5	1	
3	16QAM	1	8	22.41	22.42	22.50			
3	16QAM	1	14	22.36	22.25	22.44			
3	16QAM	8	0	21.34	21.25	21.25	22.5	2	
3	16QAM	8	4	21.26	21.26	21.27			
3	16QAM	15	0	21.24	21.30	21.25			
3	64QAM	1	0	21.74	21.65	21.34	22.5	2	
3	64QAM	1	8	21.71	21.36	21.36			
3	64QAM	1	14	21.56	21.34	21.51			
3	64QAM	8	0	20.31	20.31	20.32	21.5	3	
3	64QAM	8	4	20.24	20.27	20.31			
3	64QAM	15	0	20.39	20.21	20.22			
Channel				16967	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1701.7	1732.5	1754.3			
1.4	QPSK	1	0	23.36	23.28	23.22	24.5	0	
1.4	QPSK	1	3	23.25	23.16	23.11			
1.4	QPSK	1	5	23.21	23.13	23.22			
1.4	QPSK	3	0	23.31	23.23	23.26	23.5	1	
1.4	QPSK	3	1	23.28	23.24	23.17			
1.4	QPSK	3	3	23.24	23.23	23.13			
1.4	QPSK	6	0	22.20	22.23	22.16	23.5	1	
1.4	16QAM	1	0	22.56	22.40	22.32			
1.4	16QAM	1	3	22.40	22.35	22.47			
1.4	16QAM	1	5	22.36	22.58	22.40	23.5	1	
1.4	16QAM	3	0	22.35	22.35	22.39			
1.4	16QAM	3	1	22.42	22.36	22.59			
1.4	16QAM	3	3	22.41	22.58	22.42	22.5	2	
1.4	64QAM	1	0	21.65	21.69	21.34			
1.4	64QAM	1	3	21.58	21.40	21.40			
1.4	64QAM	1	5	21.60	21.35	21.35	22.5	2	
1.4	64QAM	3	0	21.66	21.70	21.35			
1.4	64QAM	3	1	21.65	21.35	21.44			
1.4	64QAM	3	3	21.57	21.45	21.49	21.5	3	
1.4	64QAM	6	0	20.27	20.23	20.24			
1.4	64QAM	6	2	20.27	20.23	20.24			

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.76	23.87	23.98	25	0	
10	QPSK	1	25	23.66	23.74	23.83			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74			
10	QPSK	25	12	22.83	22.67	22.72			
10	QPSK	25	25	22.83	22.69	22.70	24	1	
10	QPSK	50	0	22.87	22.75	22.73			
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97			
10	16QAM	25	0	21.66	21.83	21.74	23	2	
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.60	21.78	21.71			
10	16QAM	50	0	21.62	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.85	21.77	21.95	23	2	
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69			
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74	22	3	
Channel				20425	20525	20625			
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.83	25	0	
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.85	23.77	23.62			
5	QPSK	12	0	22.60	22.72	22.61			
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.82	22.62	24	1	
5	QPSK	25	0	22.56	22.62	22.66			
5	16QAM	1	0	22.87	22.80	22.91			
5	16QAM	1	12	22.81	22.62	22.93			
5	16QAM	1	24	22.67	22.90	22.86			
5	16QAM	12	0	21.65	21.54	21.72	24	1	
5	16QAM	12	7	21.56	21.64	21.65			
5	16QAM	12	13	21.57	21.73	21.70			
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.86	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94	23	2	
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58			
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74	22	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76	25	0	
3	QPSK	1	8	23.52	23.68	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71			
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.60	22.61	22.69	24	1	
3	QPSK	15	0	22.59	22.73	22.64			
3	16QAM	1	0	22.62	22.89	22.86			
3	16QAM	1	8	22.72	22.68	22.87			
3	16QAM	1	14	22.68	22.88	22.91			
3	16QAM	8	0	21.65	21.57	21.83	24	1	
3	16QAM	8	4	21.48	21.83	21.83			
3	16QAM	8	7	21.59	21.64	21.64			
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95			
3	64QAM	1	8	21.76	21.69	21.88	23	2	
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57			
3	64QAM	8	7	20.63	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65	22	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84	25	0	
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85			
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73	24	1	
1.4	QPSK	6	0	22.58	22.61	22.65			
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84			
1.4	16QAM	3	0	22.73	22.86	22.87	24	1	
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.88	22.86			
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.62	21.73	21.92	23	2	
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70			
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77	22	3	

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.49	21.58	21.50	23	0	
10	QPSK	1	25	21.36	21.40	21.38			
10	QPSK	1	49	21.40	21.52	21.42			
10	QPSK	25	0	21.48	21.55	21.45			
10	QPSK	25	12	21.47	21.46	21.43			
10	QPSK	25	25	21.46	21.50	21.37	23	0	
10	QPSK	50	0	21.44	21.53	21.43			
10	16QAM	1	0	21.44	21.48	21.40			
10	16QAM	1	25	21.41	21.51	21.49			
10	16QAM	1	49	21.48	21.56	21.48			
10	16QAM	25	0	21.34	21.43	21.46	23	0	
10	16QAM	25	12	21.44	21.55	21.39			
10	16QAM	25	25	21.48	21.52	21.42			
10	16QAM	50	0	21.35	21.53	21.43			
10	64QAM	1	0	21.43	21.47	21.39			
10	64QAM	1	25	21.46	21.52	21.41	23	0	
10	64QAM	1	49	21.42	21.44	21.37			
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48			
10	64QAM	25	25	20.52	20.51	20.62			
10	64QAM	50	0	20.51	20.51	20.62	22	1	
Channel				20425	20525	20625			
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	0	21.48	21.56	21.40	23	0	
5	QPSK	1	12	21.27	21.39	21.29			
5	QPSK	1	24	21.35	21.41	21.38			
5	QPSK	12	0	21.35	21.40	21.38			
5	QPSK	12	7	21.36	21.33	21.30			
5	QPSK	12	13	21.35	21.35	21.31	23	0	
5	QPSK	25	0	21.33	21.37	21.29			
5	16QAM	1	0	21.43	21.39	21.32			
5	16QAM	1	12	21.26	21.41	21.48			
5	16QAM	1	24	21.46	21.45	21.37			
5	16QAM	12	0	21.32	21.39	21.31	23	0	
5	16QAM	12	7	21.33	21.53	21.24			
5	16QAM	12	13	21.34	21.37	21.31			
5	16QAM	25	0	21.20	21.40	21.39			
5	16QAM	25	0	21.37	21.37	21.33			
5	64QAM	1	12	21.35	21.46	21.33	23	0	
5	64QAM	1	24	21.37	21.35	21.32			
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55	22	1	
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	21.43	21.55	21.39	23	0	
3	QPSK	1	8	21.37	21.31	21.27			
3	QPSK	1	14	21.38	21.48	21.41			
3	QPSK	8	0	21.42	21.50	21.41			
3	QPSK	8	4	21.32	21.39	21.31			
3	QPSK	8	7	21.43	21.39	21.25	23	0	
3	QPSK	15	0	21.32	21.50	21.37			
3	16QAM	1	0	21.34	21.43	21.42			
3	16QAM	1	8	21.26	21.41	21.34			
3	16QAM	1	14	21.45	21.45	21.45			
3	16QAM	8	0	21.24	21.31	21.42	23	0	
3	16QAM	8	4	21.30	21.50	21.34			
3	16QAM	8	7	21.36	21.50	21.36			
3	16QAM	15	0	21.31	21.38	21.35			
3	64QAM	1	0	21.32	21.33	21.34			
3	64QAM	1	8	21.39	21.44	21.31	23	0	
3	64QAM	1	14	21.36	21.36	21.31			
3	64QAM	8	0	20.49	20.49	20.50			
3	64QAM	8	4	20.36	20.44	20.38			
3	64QAM	8	7	20.49	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.48	22	1	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.41	21.51	21.42	23	0	
1.4	QPSK	1	3	21.24	21.27	21.36			
1.4	QPSK	1	5	21.36	21.45	21.30			
1.4	QPSK	3	0	21.44	21.45	21.30			
1.4	QPSK	3	1	21.36	21.40	21.41			
1.4	QPSK	3	3	21.42	21.45	21.27	23	0	
1.4	QPSK	6	0	21.34	21.49	21.32			
1.4	16QAM	1	0	21.29	21.35	21.34			
1.4	16QAM	1	3	21.39	21.46	21.47			
1.4	16QAM	1	5	21.45	21.54	21.45			
1.4	16QAM	3	0	21.26	21.36	21.36	23	0	
1.4	16QAM	3	1	21.38	21.38	21.24			
1.4	16QAM	3	3	21.39	21.46	21.33			
1.4	16QAM	6	0	21.26	21.51	21.35			
1.4	64QAM	1	0	21.29	21.41	21.35			
1.4	64QAM	1	3	21.31	21.37	21.34	23	0	
1.4	64QAM	1	5	21.27	21.36	21.29			
1.4	64QAM	3	0	21.29	21.38	21.31			
1.4	64QAM	3	1	21.35	21.35	21.30			
1.4	64QAM	3	3	21.36	21.34	21.25			
1.4	64QAM	6	0	20.45	20.42	20.50	22	1	

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	14.46	14.53	14.47	16	0		
20	QPSK	1	49	14.44	14.52	14.33				
20	QPSK	1	99	14.38	14.37	14.32				
20	QPSK	50	0	14.42	14.47	14.45	16	0		
20	QPSK	50	24	14.37	14.40	14.41				
20	QPSK	50	50	14.40	14.41	14.35				
20	QPSK	100	0	14.37	14.42	14.39	16	0		
20	16QAM	1	0	14.41	14.44	14.42				
20	16QAM	1	49	14.36	14.38	14.27				
20	16QAM	1	99	14.35	14.43	14.35	16	0		
20	16QAM	50	0	14.34	14.39	14.33				
20	16QAM	50	24	14.33	14.35	14.37				
20	16QAM	50	50	14.39	14.34	14.36	16	0		
20	16QAM	100	0	14.44	14.46	14.39				
20	64QAM	1	0	14.37	14.33	14.28				
20	64QAM	1	49	14.35	14.46	14.21	16	0		
20	64QAM	1	99	14.36	14.40	14.28				
20	64QAM	50	0	14.42	14.47	14.33				
20	64QAM	50	24	14.25	14.53	14.34	16	0		
20	64QAM	50	50	14.32	14.40	14.39				
20	64QAM	100	0	14.26	14.40	14.26				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	14.42	14.49	14.33	16	0		
15	QPSK	1	37	14.31	14.48	14.29				
15	QPSK	1	74	14.28	14.31	14.28				
15	QPSK	36	0	14.33	14.33	14.41	16	0		
15	QPSK	36	20	14.25	14.28	14.32				
15	QPSK	36	39	14.38	14.35	14.21				
15	QPSK	75	0	14.22	14.40	14.24	16	0		
15	16QAM	1	0	14.37	14.33	14.18				
15	16QAM	1	37	14.36	14.34	14.25				
15	16QAM	1	74	14.20	14.36	14.28	16	0		
15	16QAM	36	0	14.32	14.30	14.18				
15	16QAM	36	20	14.27	14.27	14.24				
15	16QAM	36	39	14.37	14.21	14.25	16	0		
15	16QAM	75	0	14.37	14.43	14.28				
15	64QAM	1	0	14.38	14.40	14.27				
15	64QAM	1	37	14.21	14.41	14.11	16	0		
15	64QAM	1	74	14.35	14.38	14.26				
15	64QAM	36	0	14.39	14.41	14.31				
15	64QAM	36	20	14.17	14.46	14.20	16	0		
15	64QAM	36	39	14.26	14.34	14.26				
15	64QAM	75	0	14.17	14.34	14.12				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	14.34	14.57	14.44	16	0		
10	QPSK	1	25	14.35	14.41	14.21				
10	QPSK	1	49	14.33	14.26	14.26				
10	QPSK	25	0	14.28	14.35	14.31	16	0		
10	QPSK	25	12	14.22	14.35	14.37				
10	QPSK	25	25	14.29	14.38	14.30				
10	QPSK	50	0	14.32	14.32	14.34	16	0		
10	16QAM	1	0	14.35	14.26	14.27				
10	16QAM	1	25	14.27	14.27	14.12				
10	16QAM	1	49	14.28	14.38	14.23	16	0		
10	16QAM	25	0	14.27	14.26	14.28				
10	16QAM	25	12	14.28	14.29	14.22				
10	16QAM	25	25	14.33	14.33	14.35	16	0		
10	16QAM	50	0	14.34	14.35	14.24				
10	64QAM	1	0	14.31	14.25	14.38				
10	64QAM	1	25	14.22	14.43	14.10	16	0		
10	64QAM	1	49	14.35	14.26	14.26				
10	64QAM	25	0	14.29	14.45	14.32				
10	64QAM	25	12	14.22	14.43	14.30	16	0		
10	64QAM	25	25	14.31	14.25	14.35				
10	64QAM	50	0	14.17	14.25	14.12				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	14.36	14.56	14.45	16	0		
5	QPSK	1	12	14.29	14.47	14.25				
5	QPSK	1	24	14.26	14.23	14.29				
5	QPSK	12	0	14.37	14.41	14.34	16	0		
5	QPSK	12	7	14.24	14.35	14.38				
5	QPSK	12	13	14.28	14.36	14.29				
5	QPSK	25	0	14.32	14.35	14.33	16	0		
5	16QAM	1	0	14.31	14.26	14.18				
5	16QAM	1	12	14.26	14.24	14.16				
5	16QAM	1	24	14.23	14.33	14.22	16	0		
5	16QAM	12	0	14.28	14.27	14.32				
5	16QAM	12	7	14.29	14.25	14.32				
5	16QAM	12	13	14.29	14.27	14.24	16	0		
5	16QAM	25	0	14.37	14.37	14.37				
5	64QAM	1	0	14.33	14.29	14.41				
5	64QAM	1	12	14.25	14.38	14.20	16	0		
5	64QAM	1	24	14.23	14.29	14.13				
5	64QAM	12	0	14.40	14.41	14.23				
5	64QAM	12	7	14.15	14.46	14.26	16	0		
5	64QAM	12	13	14.25	14.25	14.32				
5	64QAM	25	0	14.13	14.32	14.19				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77	24.5	0	
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71			
20	QPSK	50	0	22.73	22.79	22.76	23.5	1	
20	QPSK	50	24	22.66	22.74	22.73			
20	QPSK	50	50	22.69	22.77	22.71			
20	QPSK	100	0	22.67	22.76	22.69	23.5	1	
20	16QAM	1	0	22.82	22.90	22.85			
20	16QAM	1	49	22.88	22.91	22.85			
20	16QAM	1	99	22.79	23.10	23.13	22.5	2	
20	16QAM	50	0	21.59	21.79	21.72			
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71	22.5	2	
20	16QAM	100	0	21.68	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05			
20	64QAM	1	49	21.77	21.91	21.85	22.5	2	
20	64QAM	1	99	21.80	21.93	22.13			
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.78	20.79	20.72			
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520.5	2535	2552.5			
15	QPSK	1	0	23.67	23.79	23.76	24.5	0	
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67	23.5	1	
15	QPSK	36	20	22.65	22.66	22.71			
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60	23.5	1	
15	16QAM	1	0	22.67	22.66	22.68			
15	16QAM	1	37	22.83	22.80	22.76			
15	16QAM	1	74	22.97	23.03	23.11	22.5	2	
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60			
15	16QAM	36	39	21.62	21.68	21.58	21.5	3	
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01			
15	64QAM	1	37	21.73	21.86	21.73	22.5	2	
15	64QAM	1	74	21.67	21.78	22.06			
15	64QAM	36	0	20.57	20.69	20.62			
15	64QAM	36	20	20.58	20.81	20.56	21.5	3	
15	64QAM	36	39	20.56	20.77	20.69			
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.65	23.79	23.72	24.5	0	
10	QPSK	1	25	23.62	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72	23.5	1	
10	QPSK	25	12	22.57	22.67	22.64			
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.64	23.5	1	
10	16QAM	1	0	22.75	22.88	22.77			
10	16QAM	1	25	22.80	22.80	22.88			
10	16QAM	1	49	22.98	23.08	23.05	22.5	2	
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57			
10	16QAM	25	25	21.62	21.67	21.68	22.5	2	
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	21.98	21.90			
10	64QAM	1	25	21.67	21.81	21.84	22.5	2	
10	64QAM	1	49	21.65	21.81	22.04			
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69	21.5	3	
10	64QAM	25	25	20.60	20.72	20.62			
10	64QAM	50	0	20.62	20.72	20.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.60	23.85	23.65	24.5	0	
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68			
5	QPSK	12	0	22.62	22.66	22.67	23.5	1	
5	QPSK	12	7	22.62	22.59	22.72			
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65	23.5	1	
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72			
5	16QAM	1	24	22.74	22.99	22.92	22.5	2	
5	16QAM	12	0	21.65	21.69	21.67			
5	16QAM	12	7	21.57	21.64	21.58			
5	16QAM	12	13	21.61	21.67	21.65	22.5	2	
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98			
5	64QAM	1	12	21.64	21.82	21.77	22.5	2	
5	64QAM	1	24	21.70	21.88	22.01			
5	64QAM	12	0	20.59	20.64	20.62			
5	64QAM	12	7	20.62	20.65	20.67	21.5	3	
5	64QAM	12	13	20.62	20.75	20.57			
5	64QAM	25	0	20.62	20.73	20.69			

Band 12_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.43	23.50	23.45	24.5	0				
10	QPSK	1	25	23.22	23.39	23.29						
10	QPSK	1	49	23.41	23.47	23.22						
10	QPSK	25	0	22.28	22.30	22.25						
10	QPSK	25	12	22.21	22.20	22.22	23.5	1				
10	QPSK	25	25	22.24	22.28	22.22						
10	QPSK	50	0	22.23	22.27	22.24						
10	16QAM	1	0	22.52	22.37	22.60						
10	16QAM	1	25	22.42	22.32	22.35	23.5	1				
10	16QAM	1	49	22.66	22.55	22.61						
10	16QAM	25	0	21.24	21.18	21.20						
10	16QAM	25	12	21.14	21.26	21.18						
10	16QAM	25	25	21.18	21.36	21.25	22.5	2				
10	16QAM	50	0	21.17	21.24	21.23						
10	64QAM	1	0	21.25	21.36	21.22						
10	64QAM	1	25	21.53	21.35	21.40						
10	64QAM	1	49	21.50	21.39	21.35	21.5	3				
10	64QAM	25	0	20.19	20.28	20.21						
10	64QAM	25	12	20.25	20.21	20.31						
10	64QAM	25	25	20.27	20.37	20.23						
10	64QAM	50	0	20.26	20.26	20.23						
Channel				23035	23095	23165	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				701.5	707.5	713.5						
5	QPSK	1	0	23.38	23.37	23.38	24.5	0				
5	QPSK	1	12	23.08	23.26	23.15						
5	QPSK	1	24	23.31	23.38	23.19						
5	QPSK	12	0	22.26	22.28	22.21						
5	QPSK	12	7	22.07	22.19	22.07	23.5	1				
5	QPSK	12	13	22.12	22.23	22.16						
5	QPSK	25	0	22.17	22.24	22.18						
5	16QAM	1	0	22.37	22.26	22.36						
5	16QAM	1	12	22.37	22.17	22.33	23.5	1				
5	16QAM	1	24	22.59	22.45	22.59						
5	16QAM	12	0	21.14	21.04	21.11						
5	16QAM	12	7	21.02	21.14	21.14						
5	16QAM	12	13	21.09	21.25	21.13	22.5	2				
5	16QAM	25	0	21.06	21.19	21.18						
5	64QAM	1	0	21.13	21.29	21.38						
5	64QAM	1	12	21.38	21.31	21.25						
5	64QAM	1	24	21.47	21.29	21.34	21.5	3				
5	64QAM	12	0	20.11	20.23	20.19						
5	64QAM	12	7	20.19	20.13	20.27						
5	64QAM	12	13	20.20	20.26	20.16						
5	64QAM	25	0	20.20	20.22	20.08						
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				700.5	707.5	714.5						
3	QPSK	1	0	23.49	23.49	23.35	24.5	0				
3	QPSK	1	8	23.16	23.31	23.21						
3	QPSK	1	14	23.36	23.45	23.21						
3	QPSK	8	0	22.19	22.25	22.19						
3	QPSK	8	4	22.06	22.09	22.11	23.5	1				
3	QPSK	8	7	22.14	22.22	22.16						
3	QPSK	15	0	22.09	22.19	22.20						
3	16QAM	1	0	22.51	22.30	22.59						
3	16QAM	1	8	22.35	22.25	22.28	23.5	1				
3	16QAM	1	14	22.53	22.48	22.54						
3	16QAM	8	0	21.14	21.09	21.06						
3	16QAM	8	4	21.09	21.14	21.16						
3	16QAM	8	7	21.03	21.30	21.11	22.5	2				
3	16QAM	15	0	21.12	21.14	21.22						
3	64QAM	1	0	21.21	21.35	21.09						
3	64QAM	1	8	21.46	21.22	21.39						
3	64QAM	1	14	21.38	21.34	21.29	22.5	2				
3	64QAM	8	0	20.11	20.18	20.17						
3	64QAM	8	4	20.16	20.10	20.27						
3	64QAM	8	7	20.19	20.35	20.20						
3	64QAM	15	0	20.16	20.17	20.22	21.5	3				
Channel				23017	23095	23173				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3						
1.4	QPSK	1	0	23.32	23.45	23.37				24.5	0	
1.4	QPSK	1	3	23.16	23.26	23.17						
1.4	QPSK	1	5	23.38	23.40	23.21						
1.4	QPSK	3	0	23.39	23.42	23.42						
1.4	QPSK	3	1	23.20	23.28	23.17	23.5	1				
1.4	QPSK	3	3	23.36	23.40	23.09						
1.4	QPSK	6	0	22.20	22.18	22.20						
1.4	16QAM	1	0	22.45	22.28	22.55						
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1				
1.4	16QAM	1	5	22.58	22.51	22.46						
1.4	16QAM	3	0	22.46	22.25	22.46						
1.4	16QAM	3	1	22.33	22.28	22.26						
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2				
1.4	16QAM	6	0	21.11	21.11	21.10						
1.4	64QAM	1	0	21.19	21.27	21.19						
1.4	64QAM	1	3	21.42	21.21	21.26						
1.4	64QAM	1	5	21.43	21.30	21.25	22.5	2				
1.4	64QAM	3	0	21.13	21.32	21.14						
1.4	64QAM	3	1	21.38	21.20	21.27						
1.4	64QAM	3	3	21.36	21.35	21.24						
1.4	64QAM	6	0	20.22	20.22	20.19	21.5	3				

Band 12_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23090	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.68	24.5	0		
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.56	22.44				
10	16QAM	1	0	22.95	22.83	22.99				
10	16QAM	1	25	22.94	22.69	22.70	23.5	1		
10	16QAM	1	49	22.99	22.76	22.84				
10	16QAM	25	0	21.52	21.64	21.46				
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44	22.5	2		
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.67				
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.55	23.70	23.57	24.5	0		
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37	23.5	1		
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.67	22.57	22.56				
5	16QAM	1	12	22.87	22.61	22.87	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.30				
5	16QAM	12	13	21.54	21.43	21.29	22.5	2		
5	16QAM	25	0	21.44	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.68	21.74				
5	64QAM	1	24	21.66	21.65	21.71	21.5	3		
5	64QAM	12	0	20.39	20.38	20.30				
5	64QAM	12	7	20.35	20.46	20.45				
5	64QAM	12	13	20.48	20.39	20.42				
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.58	23.63	23.68	24.5	0		
3	QPSK	1	8	23.53	23.39	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	7	22.49	22.55	22.43	23.5	1		
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.96				
3	16QAM	1	8	22.91	22.65	22.69				
3	16QAM	1	14	22.93	22.66	22.55	23.5	1		
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	21.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41				
3	16QAM	15	0	21.49	21.50	21.39	22.5	2		
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.64	21.83	21.74				
3	64QAM	1	14	21.68	21.86	21.83				
3	64QAM	8	0	20.52	20.40	20.43	21.5	3		
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.35				
3	64QAM	15	0	20.40	20.49	20.43				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0		
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.46	23.46	23.67				
1.4	QPSK	3	3	23.53	23.62	23.48	23.5	1		
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	QPSK	6	0	22.39	22.47	22.43				
1.4	16QAM	1	0	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.50				
1.4	16QAM	3	0	22.69	22.48	22.93				
1.4	16QAM	3	3	22.93	22.42	22.63				
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2		
1.4	16QAM	6	0	21.52	21.51	21.37				
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82	22.5	2		
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	3	21.76	21.76	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73				
1.4	64QAM	6	0	20.52	20.45	20.44	21.5	3		

Band 66_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132092	132072				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	20.40	20.46	20.38	21.5	0		
20	QPSK	1	49	20.23	20.33	20.32				
20	QPSK	1	99	20.29	20.44	20.34				
20	QPSK	50	0	20.35	20.42	20.33	21.5	0		
20	QPSK	50	24	20.24	20.39	20.20				
20	QPSK	50	50	20.17	20.32	20.24				
20	QPSK	100	0	20.25	20.37	20.28	21.5	0		
20	16QAM	1	0	20.23	20.34	20.18				
20	16QAM	1	49	20.24	20.42	20.24				
20	16QAM	1	99	20.25	20.25	20.38	21.5	0		
20	16QAM	50	0	20.27	20.40	20.17				
20	16QAM	50	24	20.23	20.33	20.34				
20	16QAM	50	50	20.35	20.36	20.23	21.5	0		
20	16QAM	100	0	20.40	20.32	20.28				
20	64QAM	1	0	20.23	20.34	20.23				
20	64QAM	1	99	20.28	20.33	20.30	21.5	0		
20	64QAM	50	0	20.30	20.34	20.40				
20	64QAM	50	24	20.32	20.34	20.44				
20	64QAM	50	50	20.27	20.29	20.38	21.5	0		
20	64QAM	100	0	20.25	20.31	20.41				
Channel				132047	132022	132097			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	20.38	20.36	20.35	21.5	0		
15	QPSK	1	37	20.20	20.28	20.23				
15	QPSK	1	74	20.19	20.41	20.30				
15	QPSK	36	0	20.21	20.39	20.21	21.5	0		
15	QPSK	36	20	20.14	20.25	20.15				
15	QPSK	36	39	20.04	20.19	20.19				
15	QPSK	75	0	20.10	20.26	20.13	21.5	0		
15	16QAM	1	0	20.12	20.31	20.07				
15	16QAM	1	37	20.22	20.32	20.18				
15	16QAM	1	74	20.21	20.18	20.29	21.5	0		
15	16QAM	36	0	20.17	20.30	20.10				
15	16QAM	36	20	20.16	20.18	20.23				
15	16QAM	36	39	20.27	20.24	20.20	21.5	0		
15	16QAM	75	0	20.28	20.26	20.27				
15	64QAM	1	0	20.12	20.31	20.11				
15	64QAM	1	37	20.24	20.23	20.14	21.5	0		
15	64QAM	1	74	20.16	20.32	20.27				
15	64QAM	36	0	20.15	20.27	20.43				
15	64QAM	36	20	20.29	20.21	20.35	21.5	0		
15	64QAM	36	39	20.18	20.20	20.29				
15	64QAM	75	0	20.23	20.29	20.40				
Channel				132022	132022	132022	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	20.27	20.44	20.30	21.5	0		
10	QPSK	1	49	20.18	20.27	20.17				
10	QPSK	1	99	20.19	20.43	20.30				
10	QPSK	25	0	20.29	20.36	20.20	21.5	0		
10	QPSK	25	12	20.14	20.28	20.11				
10	QPSK	25	25	20.16	20.23	20.16				
10	QPSK	50	0	20.24	20.30	20.17	21.5	0		
10	16QAM	1	0	20.08	20.27	20.13				
10	16QAM	1	25	20.16	20.25	20.10				
10	16QAM	1	49	20.13	20.13	20.37	21.5	0		
10	16QAM	25	0	20.16	20.26	20.05				
10	16QAM	25	12	20.12	20.27	20.19				
10	16QAM	25	25	20.30	20.21	20.16	21.5	0		
10	16QAM	50	0	20.30	20.24	20.18				
10	64QAM	1	0	20.18	20.24	20.24				
10	64QAM	1	25	20.26	20.26	20.09	21.5	0		
10	64QAM	1	49	20.19	20.29	20.28				
10	64QAM	25	0	20.24	20.33	20.34				
10	64QAM	25	12	20.34	20.21	20.38	21.5	0		
10	64QAM	25	25	20.23	20.18	20.31				
10	64QAM	50	0	20.24	20.22	20.32				
Channel				131997	132022	132047	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	20.39	20.31	20.32	21.5	0		
5	QPSK	1	12	20.15	20.31	20.17				
5	QPSK	1	24	20.23	20.30	20.22				
5	QPSK	12	0	20.20	20.31	20.24	21.5	0		
5	QPSK	12	7	20.19	20.35	20.13				
5	QPSK	12	13	20.13	20.17	20.18				
5	QPSK	25	0	20.13	20.31	20.13	21.5	0		
5	16QAM	1	0	20.12	20.24	20.04				
5	16QAM	1	12	20.14	20.36	20.10				
5	16QAM	1	24	20.24	20.20	20.36	21.5	0		
5	16QAM	12	0	20.12	20.39	20.16				
5	16QAM	12	7	20.21	20.19	20.20				
5	16QAM	12	13	20.21	20.33	20.21	21.5	0		
5	16QAM	25	0	20.30	20.23	20.23				
5	64QAM	1	0	20.19	20.23	20.23				
5	64QAM	1	12	20.15	20.26	20.19	21.5	0		
5	64QAM	1	24	20.19	20.22	20.24				
5	64QAM	12	0	20.15	20.19	20.38				
5	64QAM	12	7	20.25	20.27	20.38	21.5	0		
5	64QAM	12	13	20.15	20.20	20.31				
5	64QAM	25	0	20.12	20.26	20.40				
Channel				131987	132022	132057	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	20.36	20.44	20.37	21.5	0		
3	QPSK	1	8	20.24	20.19	20.31				
3	QPSK	1	14	20.27	20.32	20.25				
3	QPSK	8	0	20.21	20.28	20.18	21.5	0		
3	QPSK	8	4	20.16	20.37	20.06				
3	QPSK	8	7	20.02	20.18	20.18				
3	QPSK	15	0	20.17	20.36	20.25	21.5	0		
3	16QAM	1	0	20.15	20.26	20.10				
3	16QAM	1	8	20.19	20.27	20.21				
3	16QAM	1	14	20.35	20.17	20.29	21.5	0		
3	16QAM	8	0	20.21	20.34	20.08				
3	16QAM	8	4	20.13	20.27	20.27				
3	16QAM	8	7	20.26	20.28	20.16	21.5	0		
3	16QAM	15	0	20.35	20.19	20.16				
3	64QAM	1	0	20.13	20.27	20.15				
3	64QAM	1	8	20.17	20.17	20.10	21.5	0		
3	64QAM	1	14	20.27	20.31	20.26				
3	64QAM	8	0	20.29	20.19	20.29				
3	64QAM	8	4	20.29	20.29	20.39	21.5	0		
3	64QAM	8	7	20.14	20.21	20.32				
3	64QAM	15	0	20.11	20.30	20.36				
Channel				131979	132022	132065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	20.26	20.43	20.31	21.5	0		
1.4	QPSK	1	3	20.12	20.21	20.28				
1.4	QPSK	1	5	20.24	20.33	20.32				
1.4	QPSK	3	0	20.20	20.27	20.31	21.5	0		
1.4	QPSK	3	1	20.16	20.37	20.14				
1.4	QPSK	3	3	20.02	20.17	20.21				
1.4	QPSK	6	0	20.13	20.22	20.20	21.5	0		
1.4	16QAM	1	0	20.08	20.27	20.16				
1.4	16QAM	1	3	20.11	20.28	20.22				
1.4	16QAM	3	0	20.17	20.33	20.29	21.5	0		
1.4	16QAM	3	1	20.15	20.31	20.23				
1.4	16QAM	3	3	20.34	20.29	20.14				
1.4	16QAM	6	0	20.35	20.19	20.16	21.5	0		
1.4	64QAM	1	0	20.16	20.28	20.16				
1.4	64QAM	1	3	20.22	20.21	20.11				
1.4	64QAM	3	0	20.14	20.32	20.29	21.5	0		
1.4	64QAM	3	0	20.27	20.25	20.34				
1.4	64QAM	3	3	20.25	20.25	20.37				
1.4	64QAM	3	3	20.12	20.25	20.32	21.5	0		
1.4	64QAM	6	0	20.22	20.19	20.35				

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133272	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	680.5	678			
20	QPSK	1	0	-23.35	-23.41	-23.24	24.5	0	
20	QPSK	1	49	-23.21	-23.24	-23.20			
20	QPSK	1	99	-23.16	-23.22	-23.22			
20	QPSK	50	0	-22.35	-22.39	-22.29	23.5	1	
20	QPSK	50	24	-22.29	-22.29	-22.25			
20	QPSK	50	50	-22.33	-22.23	-22.24			
20	QPSK	100	0	-22.31	-22.34	-22.26	23.5	1	
20	16QAM	1	0	-22.53	-22.52	-22.53			
20	16QAM	1	49	-22.48	-22.44	-22.48			
20	16QAM	1	99	-22.49	-22.54	-22.56	22.5	2	
20	16QAM	50	0	-21.35	-21.21	-21.23			
20	16QAM	50	24	-21.27	-21.26	-21.27			
20	16QAM	50	50	-21.34	-21.29	-21.25	22.5	2	
20	16QAM	100	0	-21.35	-21.22	-21.25			
20	64QAM	1	0	-21.42	-21.44	-21.45			
20	64QAM	1	49	-21.34	-21.45	-21.35	21.5	3	
20	64QAM	1	99	-21.40	-21.49	-21.51			
20	64QAM	50	0	-20.34	-20.23	-20.22			
20	64QAM	50	24	-20.28	-20.31	-20.29	21.5	3	
20	64QAM	50	50	-20.35	-20.31	-20.27			
20	64QAM	100	0	-20.36	-20.26	-20.24			
Channel				133197	133207	133217	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	680.5			
15	QPSK	1	0	-23.30	-23.31	-23.06	24.5	0	
15	QPSK	1	37	-23.12	-23.06	-23.10			
15	QPSK	1	74	-23.11	-22.99	-23.13			
15	QPSK	36	0	-22.28	-22.14	-22.04	23.5	1	
15	QPSK	36	20	-22.07	-22.04	-22.06			
15	QPSK	36	39	-22.20	-22.05	-22.15			
15	QPSK	75	0	-22.22	-22.16	-22.09	23.5	1	
15	16QAM	1	0	-22.36	-22.46	-22.44			
15	16QAM	1	37	-22.36	-22.20	-22.24			
15	16QAM	1	74	-22.39	-22.34	-22.45	22.5	2	
15	16QAM	36	0	-21.12	-20.97	-21.14			
15	16QAM	36	20	-21.06	-21.21	-21.21			
15	16QAM	36	39	-21.09	-21.16	-21.04	22.5	2	
15	16QAM	75	0	-21.29	-21.09	-21.05			
15	64QAM	1	0	-21.22	-21.27	-21.22	22.5	2	
15	64QAM	1	37	-21.19	-21.36	-21.24			
15	64QAM	1	74	-21.30	-21.28	-21.44			
15	64QAM	36	0	-20.15	-20.16	-20.00	21.5	3	
15	64QAM	36	20	-20.17	-20.25	-20.24			
15	64QAM	36	39	-20.24	-20.25	-20.10			
15	64QAM	75	0	-20.27	-20.14	-20.08	21.5	3	
Channel				133172	133207	133422			
Frequency (MHz)				668	680.5	680.5			
10	QPSK	1	0	-23.28	-23.16	-23.17	24.5	0	
10	QPSK	1	25	-23.03	-23.18	-23.07			
10	QPSK	1	49	-22.98	-23.00	-23.08			
10	QPSK	25	0	-22.30	-22.15	-22.16	23.5	1	
10	QPSK	25	12	-22.21	-22.07	-22.06			
10	QPSK	25	25	-22.18	-21.98	-21.99			
10	QPSK	50	0	-22.25	-22.19	-22.02	23.5	1	
10	16QAM	1	0	-22.37	-22.43	-22.41			
10	16QAM	1	25	-22.36	-22.31	-22.28			
10	16QAM	1	49	-22.38	-22.31	-22.46	22.5	2	
10	16QAM	25	0	-21.16	-21.05	-21.03			
10	16QAM	25	12	-21.14	-21.20	-21.19			
10	16QAM	25	25	-21.13	-21.22	-21.10	22.5	2	
10	16QAM	50	0	-21.29	-21.03	-21.06			
10	64QAM	1	0	-21.35	-21.32	-21.34			
10	64QAM	1	25	-21.19	-21.38	-21.12	22.5	2	
10	64QAM	1	49	-21.33	-21.25	-21.43			
10	64QAM	25	0	-20.20	-20.18	-20.11			
10	64QAM	25	12	-20.03	-20.10	-20.21	21.5	3	
10	64QAM	25	25	-20.24	-20.19	-20.08			
10	64QAM	50	0	-20.21	-20.18	-20.06			
Channel				133147	133207	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	680.5			
5	QPSK	1	0	-23.27	-23.35	-23.10	24.5	0	
5	QPSK	1	12	-23.04	-23.09	-23.00			
5	QPSK	1	24	-23.02	-23.09	-23.02			
5	QPSK	12	0	-22.22	-22.30	-22.09	23.5	1	
5	QPSK	12	7	-22.21	-22.20	-22.09			
5	QPSK	12	13	-22.12	-22.11	-22.10			
5	QPSK	25	0	-22.26	-22.12	-22.07	23.5	1	
5	16QAM	1	0	-22.34	-22.33	-22.26			
5	16QAM	1	12	-22.30	-22.36	-22.43			
5	16QAM	1	24	-22.29	-22.36	-22.42	22.5	2	
5	16QAM	12	0	-21.29	-20.98	-21.18			
5	16QAM	12	7	-21.07	-21.18	-21.18			
5	16QAM	12	13	-21.26	-21.16	-21.01	22.5	2	
5	16QAM	25	0	-21.15	-21.05	-21.09			
5	64QAM	1	0	-21.24	-21.20	-21.33	22.5	2	
5	64QAM	1	12	-21.20	-21.30	-21.17			
5	64QAM	1	24	-21.31	-21.29	-21.36			
5	64QAM	12	0	-20.10	-20.17	-20.13	21.5	3	
5	64QAM	12	7	-20.15	-20.18	-20.10			
5	64QAM	12	13	-20.20	-20.06	-20.22			
5	64QAM	25	0	-20.19	-20.18	-20.08	21.5	3	

LTE Band 71_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				13322	13329	13332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				671	680.5	688				
20	QPSK	1	0	23.52	23.60	23.55	24.5	0		
20	QPSK	1	49	23.49	23.50	23.53				
20	QPSK	1	99	23.58	23.59	23.47				
20	QPSK	50	0	22.69	22.71	22.57	23.5	1		
20	QPSK	50	24	22.64	22.63	22.53				
20	QPSK	50	50	22.61	22.64	22.55				
20	QPSK	100	0	22.61	22.69	22.53	23.5	1		
20	16QAM	1	0	22.85	22.92	22.84				
20	16QAM	1	49	22.82	22.88	22.74				
20	16QAM	1	99	22.77	22.79	22.89	23.5	1		
20	16QAM	50	0	21.75	21.62	21.52				
20	16QAM	50	24	21.63	21.59	21.59				
20	16QAM	50	50	21.65	21.62	21.54	22.5	2		
20	16QAM	100	0	21.65	21.57	21.52				
20	64QAM	1	0	21.69	21.73	21.73				
20	64QAM	1	49	21.87	21.71	21.66	22.5	2		
20	64QAM	1	99	21.63	21.72	21.62				
20	64QAM	50	0	20.68	20.62	20.51	21.5	3		
20	64QAM	50	24	20.66	20.64	20.61				
20	64QAM	50	50	20.69	20.64	20.58				
20	64QAM	100	0	20.64	20.64	20.55	21.5	3		
Channel				133197	133207	133217				
Frequency (MHz)				670.5	680.5	685.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.51	23.45	23.45		24.5	0	
15	QPSK	1	37	23.36	23.33	23.48				
15	QPSK	1	74	23.50	23.51	23.25				
15	QPSK	36	0	22.50	22.54	22.32	23.5	1		
15	QPSK	36	20	22.48	22.45	22.20				
15	QPSK	36	39	22.44	22.54	22.41				
15	QPSK	75	0	22.43	22.50	22.42	23.5	1		
15	16QAM	1	0	22.62	22.69	22.79				
15	16QAM	1	37	22.76	22.69	22.50				
15	16QAM	1	74	22.53	22.56	22.46	22.5	2		
15	16QAM	36	0	21.57	21.49	21.35				
15	16QAM	36	20	21.46	21.54	21.47				
15	16QAM	36	39	21.51	21.56	21.41	21.5	3		
15	16QAM	75	0	21.46	21.42	21.30				
15	64QAM	1	0	21.60	21.63	21.61				
15	64QAM	1	37	21.62	21.55	21.53	22.5	2		
15	64QAM	1	74	21.54	21.63	21.51				
15	64QAM	36	0	20.44	20.37	20.44	21.5	3		
15	64QAM	36	20	20.50	20.54	20.50				
15	64QAM	36	39	20.53	20.43	20.35				
15	64QAM	75	0	20.50	20.41	20.35	21.5	3		
Channel				133172	133207	133422				
Frequency (MHz)				666	680.5	696	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.56	23.47	23.48		24.5	0	
10	QPSK	1	25	23.47	23.38	23.44				
10	QPSK	1	49	23.34	23.51	23.27				
10	QPSK	25	0	22.51	22.63	22.40	23.5	1		
10	QPSK	25	12	22.48	22.41	22.46				
10	QPSK	25	25	22.36	22.55	22.35				
10	QPSK	50	0	22.41	22.47	22.44	23.5	1		
10	16QAM	1	0	22.70	22.69	22.57				
10	16QAM	1	49	22.73	22.70	22.57				
10	16QAM	1	99	22.68	22.74	22.48	22.5	2		
10	16QAM	25	0	21.52	21.53	21.36				
10	16QAM	25	12	21.43	21.36	21.39				
10	16QAM	25	25	21.53	21.54	21.40	21.5	3		
10	16QAM	50	0	21.56	21.49	21.32				
10	64QAM	1	0	21.55	21.58	21.62				
10	64QAM	1	25	21.73	21.64	21.51	22.5	2		
10	64QAM	1	49	21.48	21.51	21.56				
10	64QAM	25	0	20.54	20.39	20.35	21.5	3		
10	64QAM	25	12	20.41	20.42	20.50				
10	64QAM	25	25	20.50	20.50	20.49				
10	64QAM	50	0	20.54	20.46	20.48	21.5	3		
Channel				133147	133207	133447				
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.53	23.59	23.34		24.5	0	
5	QPSK	1	12	23.43	23.45	23.48				
5	QPSK	1	24	23.43	23.43	23.42				
5	QPSK	12	0	22.46	22.47	22.36	23.5	1		
5	QPSK	12	7	22.44	22.47	22.44				
5	QPSK	12	13	22.41	22.53	22.37				
5	QPSK	25	0	22.47	22.62	22.29	23.5	1		
5	16QAM	1	0	22.76	22.76	22.60				
5	16QAM	1	12	22.68	22.78	22.62				
5	16QAM	1	24	22.71	22.54	22.47	22.5	2		
5	16QAM	12	0	21.48	21.50	21.45				
5	16QAM	12	7	21.47	21.53	21.47				
5	16QAM	12	13	21.60	21.50	21.43	22.5	2		
5	16QAM	25	0	21.49	21.48	21.39				
5	64QAM	1	0	21.60	21.59	21.50				
5	64QAM	1	12	21.74	21.46	21.52	22.5	2		
5	64QAM	1	24	21.51	21.56	21.46				
5	64QAM	12	0	20.63	20.47	20.35	21.5	3		
5	64QAM	12	7	20.38	20.46	20.57				
5	64QAM	12	13	20.44	20.55	20.35				
5	64QAM	25	0	20.57	20.58	20.47	21.5	3		
Channel				133147	133207	133447				

Band 41_Ant 1													
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Turn-on time (s)	APRS (dB)			
Channel													
				36750	40165	40600	41005	41400					
20	QPSK	1	5	17.43	17.36	17.40	17.37	17.39	19	0			
20	QPSK	1	49	17.35	17.34	17.47	17.35	17.38					
20	QPSK	1	96	17.32	17.34	17.47	17.35	17.38					
20	QPSK	50	5	17.42	17.35	17.38	17.35	17.37	19	0			
20	QPSK	50	24	17.34	17.28	17.72	17.53	17.64					
20	QPSK	50	36	17.43	17.32	17.48	17.51	17.61					
20	QPSK	100	5	17.42	17.32	17.75	17.58	17.68					
20	16QAM	1	5	17.38	17.30	17.71	17.56	17.66	19	0			
20	16QAM	1	46	17.45	17.21	17.71	17.44	17.55					
20	16QAM	1	56	17.46	17.21	17.74	17.44	17.55					
20	16QAM	50	5	17.46	17.35	17.79	17.53	17.67					
20	16QAM	50	24	17.53	17.29	17.71	17.45	17.61	19	0			
20	16QAM	50	36	17.43	17.29	17.68	17.54	17.65					
20	16QAM	100	5	17.42	17.32	17.69	17.54	17.68					
20	16QAM	1	5	17.42	17.31	17.69	17.51	17.64					
20	16QAM	1	46	17.34	17.34	17.77	17.52	17.54	19	0			
20	16QAM	1	56	17.38	17.27	17.77	17.50	17.64					
20	16QAM	50	5	17.42	17.26	17.73	17.50	17.68					
20	16QAM	50	24	17.46	17.30	17.67	17.46	17.63	19	0			
20	16QAM	50	36	17.32	17.32	17.76	17.46	17.60					
20	16QAM	100	5	17.44	17.25	17.70	17.50	17.59					
Channel				36725 <th>40173</th> <th>40600</th> <th>41068</th> <th>41515</th> <th>Turn-on time (s)</th> <th>APRS (dB)</th> <th colspan="3"></th>	40173	40600	41068	41515	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2500.5	2648.3	2693	2837.8	2882.5					
15	QPSK	1	5	17.48	17.37	17.47	17.34	17.44	19	0			
15	QPSK	1	37	17.27	17.19	17.68	17.54	17.62					
15	QPSK	1	74	17.31	17.23	17.81	17.49	17.51					
15	QPSK	36	5	17.44	17.30	17.46	17.35	17.45					
15	QPSK	36	26	17.23	17.23	17.69	17.41	17.55	19	0			
15	QPSK	36	36	17.31	17.18	17.88	17.49	17.60					
15	QPSK	75	5	17.37	17.30	17.74	17.48	17.59					
15	16QAM	1	5	17.36	17.16	17.68	17.48	17.59					
15	16QAM	1	37	17.34	17.20	17.70	17.33	17.51	19	0			
15	16QAM	1	74	17.32	17.21	17.72	17.42	17.48					
15	16QAM	36	5	17.43	17.22	17.75	17.42	17.62					
15	16QAM	36	26	17.28	17.15	17.82	17.47	17.51	19	0			
15	16QAM	36	36	17.36	17.14	17.80	17.45	17.56					
15	16QAM	75	5	17.36	17.21	17.62	17.32	17.57					
15	16QAM	1	5	17.35	17.30	17.58	17.47	17.54					
15	16QAM	1	37	17.31	17.28	17.74	17.41	17.48	19	0			
15	16QAM	1	74	17.36	17.12	17.71	17.47	17.57					
15	16QAM	36	5	17.32	17.24	17.61	17.49	17.52					
15	16QAM	36	26	17.28	17.17	17.65	17.38	17.50					
15	16QAM	36	36	17.37	17.18	17.66	17.39	17.58					
15	16QAM	75	5	17.34	17.19	17.56	17.47	17.57					
Channel				36700	40160.5	40600	41065.5	41515	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2500	2647.5	2693	2839	2885					
10	QPSK	1	5	17.43	17.33	17.70	17.51	17.67	19	0			
10	QPSK	1	25	17.24	17.25	17.64	17.48	17.49					
10	QPSK	1	49	17.22	17.14	17.65	17.35	17.53					
10	QPSK	25	5	17.51	17.33	17.71	17.48	17.61	19	0			
10	QPSK	25	12	17.29	17.16	17.64	17.44	17.50					
10	QPSK	25	24	17.53	17.28	17.65	17.44	17.62					
10	QPSK	50	5	17.51	17.29	17.72	17.47	17.48					
10	16QAM	1	5	17.28	17.26	17.60	17.50	17.60	19	0			
10	16QAM	1	24	17.44	17.08	17.68	17.45	17.47					
10	16QAM	1	49	17.35	17.08	17.88	17.30	17.47					
10	16QAM	25	5	17.44	17.27	17.67	17.47	17.58					
10	16QAM	25	12	17.32	17.16	17.55	17.33	17.60	19	0			
10	16QAM	1	5	17.32	17.21	17.62	17.44	17.63					
10	16QAM	1	26	17.21	17.20	17.75	17.48	17.52	19	0			
10	16QAM	1	46	17.29	17.14	17.73	17.43	17.46					
10	16QAM	24	5	17.41	17.18	17.67	17.40	17.63					
10	16QAM	25	12	17.42	17.17	17.59	17.39	17.53	19	0			
10	16QAM	25	24	17.27	17.30	17.66	17.32	17.57					
10	16QAM	50	5	17.36	17.16	17.55	17.35	17.44					
Channel				36975	40148	40600	41093	41585	Turn-on time (s)	APRS (dB)			
Frequency (MHz)				2698.5	2641.9	2693	2840.5	2897.5					
5	QPSK	1	5	17.40	17.32	17.72	17.47	17.66	19	0			
5	QPSK	1	12	17.32	17.33	17.62	17.41	17.54					
5	QPSK	1	24	17.27	17.08	17.62	17.37	17.57					
5	QPSK	12	5	17.35	17.27	17.65	17.45	17.61					
5	QPSK	12	7	17.40	17.24	17.67	17.43	17.57	19	0			
5	QPSK	25	5	17.23	17.27	17.55	17.37	17.51					
5	QPSK	25	5	17.27	17.25	17.72	17.48	17.43					
5	16QAM	1	5	17.37	17.29	17.70	17.55	17.65					
5	16QAM	1	12	17.21	17.16	17.63	17.38	17.49					
5	16QAM	1	24	17.27	17.13	17.72	17.30	17.54	19	0			
5	16QAM	12	5	17.37	17.31	17.73	17.47	17.64					
5	16QAM	12	7	17.40	17.16	17.61	17.46	17.56					
5	16QAM	25	5	17.28	17.22	17.63	17.43	17.57					
5	16QAM	1	5	17.29	17.21	17.66	17.56	17.66					
5	16QAM	1	12	17.32	17.19	17.76	17.45	17.45	19	0			
5	16QAM	1	24	17.28	17.16	17.89	17.35	17.53					
5	16QAM	12	5	17.26	17.24	17.67	17.53	17.60					
5	16QAM	12	13	17.45	17.15	17.60	17.34	17.51	19	0			
5	16QAM	12	15	17.25	17.23	17.88	17.43	17.53					
5	16QAM	25	5	17.37	17.15	17.67	17.46	17.51					

Band 41_Ant 2													
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on time (s)	APRS (dB)			
Channel													
				36750	40165	40600	41005	41400					
20	QPSK	1	0	25.00	26.45	26.90	28.35	28.80					
20	QPSK	1	0	25.11	26.56	27.01	28.46	28.91					
20	QPSK	1	48	25.05	26.50	26.95	28.40	28.85	23.74	24.5	0		
20	QPSK	1	96	25.08	26.53	26.98	28.43	28.88	23.70	23.71			
20	QPSK	1	144	25.11	26.56	27.01	28.46	28.91	23.67	23.67			
20	QPSK	16	24	22.89	22.90	22.91	22.92	22.93		23.5	1		
20	QPSK	16	48	22.92	22.93	22.94	22.95	22.96		23.5	1		
20	QPSK	16	72	22.95	22.96	22.97	22.98	22.99		23.5	1		
20	QPSK	16	96	22.98	22.99	23.00	23.01	23.02		23.5	1		
20	QPSK	16	120	23.01	23.02	23.03	23.04	23.05		23.5	1		
20	QPSK	16	144	23.04	23.05	23.06	23.07	23.08		23.5	1		
20	QPSK	16	168	23.07	23.08	23.09	23.10	23.11		23.5	1		
20	QPSK	16	192	23.10	23.11	23.12	23.13	23.14		23.5	1		
20	QPSK	16	216	23.13	23.14	23.15	23.16	23.17		23.5	1		
20	QPSK	16	240	23.16	23.17	23.18	23.19	23.20		23.5	1		
20	QPSK	16	264	23.19	23.20	23.21	23.22	23.23		23.5	1		
20	QPSK	16	288	23.22	23.23	23.24	23.25	23.26		23.5	1		
20	QPSK	16	312	23.25	23.26	23.27	23.28	23.29		23.5	1		
20	QPSK	16	336	23.28	23.29	23.30	23.31	23.32		23.5	1		
20	QPSK	16	360	23.31	23.32	23.33	23.34	23.35		23.5	1		
20	QPSK	16	384	23.34	23.35	23.36	23.37	23.38		23.5	1		
20	QPSK	16	408	23.37	23.38	23.39	23.40	23.41		23.5	1		
20	QPSK	16	432	23.40	23.41	23.42	23.43	23.44		23.5	1		
20	QPSK	16	456	23.43	23.44	23.45	23.46	23.47		23.5	1		
20	QPSK	16	480	23.46	23.47	23.48	23.49	23.50		23.5	1		
20	QPSK	16	504	23.49	23.50	23.51	23.52	23.53		23.5	1		
20	QPSK	16	528	23.52	23.53	23.54	23.55	23.56		23.5	1		
20	QPSK	16	552	23.55	23.56	23.57	23.58	23.59		23.5	1		
20	QPSK	16	576	23.58	23.59	23.60	23.61	23.62		23.5	1		
20	QPSK	16	600	23.61	23.62	23.63	23.64	23.65		23.5	1		
20	QPSK	16	624	23.64	23.65	23.66	23.67	23.68		23.5	1		
20	QPSK	16	648	23.67	23.68	23.69	23.70	23.71		23.5	1		
20	QPSK	16	672	23.70	23.71	23.72	23.73	23.74		23.5	1		
20	QPSK	16	696	23.73	23.74	23.75	23.76	23.77		23.5	1		
20	QPSK	16	720	23.76	23.77	23.78	23.79	23.80		23.5	1		
20	QPSK	16	744	23.79	23.80	23.81	23.82	23.83		23.5	1		
20	QPSK	16	768	23.82	23.83	23.84	23.85	23.86		23.5	1		
20	QPSK	16	792	23.85	23.86	23.87	23.88	23.89		23.5	1		
20	QPSK	16	816	23.88	23.89	23.90	23.91	23.92		23.5	1		
20	QPSK	16	840	23.91	23.92	23.93	23.94	23.95		23.5	1		
20	QPSK	16	864	23.94	23.95	23.96	23.97	23.98		23.5	1		
20	QPSK	16	888	23.97	23.98	23.99	24.00	24.01		23.5	1		
20	QPSK	16	912	24.00	24.01	24.02	24.03	24.04		23.5	1		
20	QPSK	16	936	24.03	24.04	24.05	24.06	24.07		23.5	1		
20	QPSK	16	960	24.06	24.07	24.08	24.09	24.10		23.5	1		
20	QPSK	16	984	24.09	24.10	24.11	24.12	24.13		23.5	1		
20	QPSK	16	1008	24.12	24.13	24.14	24.15	24.16		23.5	1		
20	QPSK	16	1032	24.15	24.16	24.17	24.18	24.19		23.5	1		
20	QPSK	16	1056	24.18	24.19	24.20	24.21	24.22		23.5	1		
20	QPSK	16	1080	24.21	24.22	24.23	24.24	24.25		23.5	1		
20	QPSK	16	1104	24.24	24.25	24.26	24.27	24.28		23.5	1		
20	QPSK	16	1128	24.27	24.28	24.29	24.30	24.31		23.5	1		
20	QPSK	16	1152	24.30	24.31	24.32	24.33	24.34		23.5	1		
20	QPSK	16	1176	24.33	24.34	24.35	24.36	24.37		23.5	1		
20	QPSK	16	1200	24.36	24.37	24.38	24.39	24.40		23.5	1		
20	QPSK	16	1224	24.39	24.40	24.41	24.42	24.43		23.5	1		
20	QPSK	16	1248	24.42	24.43	24.44	24.45	24.46		23.5	1		
20	QPSK	16	1272	24.45	24.46	24.47	24.48	24.49		23.5	1		
20	QPSK	16	1296	24.48	24.49	24.50	24.51	24.52		23.5	1		
20	QPSK	16	1320	24.51	24.52	24.53	24.54	24.55		23.5	1		
20	QPSK	16	1344	24.54	24.55	24.56	24.57	24.58		23.5	1		
20	QPSK	16	1368	24.57	24.58	24.59	24.60	24.61		23.5	1		
20	QPSK	16	1392	24.60	24.61	24.62	24.63	24.64		23.5	1		
20	QPSK	16	1416	24.63	24.64	24.65	24.66	24.67		23.5	1		
20	QPSK	16	1440	24.66	24.67	24.68	24.69	24.70		23.5	1		
20	QPSK	16	1464	24.69	24.70	24.71	24.72	24.73		23.5	1		
20	QPSK	16	1488	24.72	24.73	24.74	24.75	24.76		23.5	1		
20	QPSK	16	1512	24.75	24.76	24.77	24.78	24.79		23.5	1		
20	QPSK	16	1536	24.78	24.79	24.80	24.81	24.82		23.5	1		
20	QPSK	16	1560	24.81	24.82	24.83	24.84	24.85		23.5	1		
20	QPSK	16	1584	24.84	24.85	24.86	24.87	24.88		23.5	1		
20	QPSK	16	1608	24.87	24.88	24.89	24.90	24.91		23.5	1		
20	QPSK	16	1632	24.90	24.91	24.92	24.93	24.94		23.5	1		
20	QPSK	16	1656	24.93	24.94	24.95	24.96	24.97		23.5	1		
20	QPSK	16	1680	24.96	24.97	24.98	24.99	25.00		23.5	1		
20	QPSK	16	1704	24.99	25.00	25.01	25.02	25.03		23.5	1		
20	QPSK	16	1728	25.02	25.03	25.04	25.05	25.06		23.5	1		
20	QPSK	16	1752	25.05	25.06	25.07	25.08	25.09		23.5	1		
20	QPSK	16	1776	25.08	25.09	25.10	25.11	25.12		23.5	1		
20	QPSK	16	1800	25.11	25.12	25.13	25.14	25.15		23.5	1		
20	QPSK	16	1824	25.14	25.15	25.16	25.17	25.18		23.5	1		
20	QPSK	16	1848	25.17	25.18	25.19	25.20	25.21		23.5	1		
20	QPSK	16	1872	25.20	25.21	25.22	25.23	25.24		23.5	1		
20	QPSK	16	1896	25.23	25.24	25.25	25.26	25.27		23.5	1		
20	QPSK	16	1920	25.26	25.27	25.28	25.29	25.30		23.5	1		
20	QPSK	16	1944	25.29	25.30	25.31	25.32	25.33		23.5	1		
20	QPSK	16	1968	25.32	25.33	25.34	25.35	25.36		23.5	1		
20	QPSK	16	1992	25.35	25.36	25.37	25.38	25.39		23.5	1		
20	QPSK	16	2016	25.38	25.39	25.40	25.41	25.42		23.5	1		
20	QPSK	16	2040	25.41	25.42	25.43	25.44	25.45		23.5	1		
20	QPSK	16	2064	25.44	25.45	25.46	25.47	25.48		23.5	1		
20	QPSK	16	2088	25.47	25.48	25.49	25.50	25.51		23.5	1		
20	QPSK	16	2112	25.50	25.51	25.52	25.53	25.54		23.5	1		
20	QPSK	16	2136	25.53	25.54	25.55	25.56	25.57		23.5	1		
20	QPSK	16	2160	25.56	25.57	25.58	25.59	25.60		23.5	1		
20	QPSK	16	2184	25.59	25.60	25.61	25.62	25.63		23.5	1		
20	QPSK	16	2208	25.62	25.63	25.64	25.65	25.66		23.5	1		
20	QPSK	16	2232	25.65	25.66	25.67	25.68	25.69		23.5	1		
20	QPSK	16	2256	25.68	25.69	25.70	25.71	25.72		23.5	1		
20	QPSK	16	2280	25.71	25.72	25.73	25.74	25.75		23.5	1		
20	QPSK	16	2304	25.74	25.75	25.76	25.77	25.78		23.5	1		
20	QPSK	16	2328	25.77	25.78	25.79	25.80	25.81		23.5	1		
20	QPSK	16	2352	25.80	25.81	25.82	25.83	25.84		23.5	1		
20	QPSK	16	2376	25.83	25.84	25.85	25.86	25.87		23.5	1		
20	QPSK	16	2400	25.86	25.87	25.88	25.89	25.90		23.5	1		
20	QPSK	16	2424	25.89	25.90	25.91	25.92	25.93		23.5	1		
20	QPSK	16	2448	25.92	25.93	25.94	25.95	25.96		23.5	1		
20	QPSK	16	2472	25.95	25.96	25.97	25.98	25.99		23.5	1		
20	QPSK	16	2496	25.98	25.99	26.00	26.01	26.02		23.5	1	</	

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	19.48	19.34	19.34	19.37			20	QPSK	1	0	17.00	16.93	16.93	16.97			20	QPSK	1	0	20.37	20.37	20.37	20.37			20	QPSK	1	0	18.80	18.72	18.72	18.73		
20	QPSK	1	40	19.40	19.42	19.42	19.45	20	0	20	QPSK	1	40	16.88	16.81	16.86	16.76	17.5	0	20	QPSK	1	40	20.20	20.18	20.24	20.26	21	0	20	QPSK	1	40	18.87	18.76	18.85	18.86	17.5	0
20	QPSK	1	80	19.40	19.34	19.35	19.38			20	QPSK	1	80	16.88	16.78	16.84	16.87			20	QPSK	1	80	20.20	20.22	20.21	20.14			20	QPSK	1	80	18.87	18.76	18.85	18.83		
20	QPSK	50	0	19.48	19.42	19.42	19.40			20	QPSK	50	0	16.97	16.91	16.92	16.90			20	QPSK	50	0	20.38	20.38	20.39	20.39			20	QPSK	50	0	18.79	18.72	18.72	18.73		
20	QPSK	50	24	19.43	19.37	19.39	19.39			20	QPSK	50	24	16.90	16.79	16.82	16.74	17.5	0	20	QPSK	50	24	20.31	20.22	20.20	20.19	21	0	20	QPSK	50	24	18.85	18.68	18.81	18.81		
20	QPSK	100	0	19.43	19.37	19.37	19.35			20	QPSK	100	0	16.90	16.72	16.82	16.80			20	QPSK	100	0	20.31	20.23	20.23	20.18	21	0	20	QPSK	100	0	18.79	18.68	18.82	18.82		
20	QPSK	100	0	19.40	19.35	19.36	19.36			20	QPSK	100	0	16.91	16.78	16.83	16.76			20	QPSK	100	0	20.38	20.23	20.26	20.20			20	QPSK	100	0	18.79	18.64	18.81	18.87		
20	QPSK	1	0	19.35	19.36	19.37	19.37			20	QPSK	1	0	16.88	16.74	16.88	16.77			20	QPSK	1	0	20.20	20.16	20.13	20.16			20	QPSK	1	0	18.72	18.65	18.86	18.86		
20	QPSK	1	40	19.37	19.39	19.39	19.39			20	QPSK	1	40	16.92	16.76	16.92	16.87	17.5	0	20	QPSK	1	40	20.19	20.11	20.08	19.94	21	0	20	QPSK	1	40	18.69	18.62	18.81	18.87		
20	QPSK	1	80	19.47	19.31	19.35	19.37			20	QPSK	1	80	16.97	16.85	16.86	16.77			20	QPSK	1	80	20.20	20.17	20.17	20.14			20	QPSK	1	80	18.69	18.50	18.80	18.86		
20	QPSK	50	0	19.34	19.32	19.33	19.33			20	QPSK	50	0	16.87	16.72	16.83	16.77			20	QPSK	50	0	20.20	20.17	20.17	20.14	21	0	20	QPSK	50	0	18.67	18.58	18.80	18.86		
20	QPSK	50	24	19.30	19.21	19.25	19.25			20	QPSK	50	24	16.93	16.76	16.80	16.70	17.5	0	20	QPSK	50	24	20.20	20.08	20.08	20.00	21	0	20	QPSK	50	24	18.69	18.58	18.82	18.86		
20	QPSK	100	0	19.35	19.33	19.33	19.33			20	QPSK	100	0	16.90	16.75	16.84	16.83			20	QPSK	100	0	20.23	20.22	20.23	20.20			20	QPSK	100	0	18.65	18.58	18.80	18.86		
20	QPSK	100	0	19.37	19.32	19.33	19.33			20	QPSK	100	0	16.92	16.72	16.82	16.87			20	QPSK	100	0	20.23	20.22	20.22	20.12	21	0	20	QPSK	100	0	18.69	18.58	18.82	18.86		
20	QPSK	1	0	19.47	19.35	19.35	19.35			20	QPSK	1	40	16.96	16.75	16.82	16.76	17.5	0	20	QPSK	1	40	20.23	20.09	20.12	20.04	21	0	20	QPSK	1	40	18.53	18.46	18.81	18.82		
20	QPSK	1	80	19.34	19.40	19.37	19.35			20	QPSK	1	80	16.91	16.82	16.88	16.74			20	QPSK	1	80	20.25	20.14	20.05	20.04			20	QPSK	1	80	18.71	18.64	18.80	18.85		
20	QPSK	50	0	19.30	19.32	19.33	19.33			20	QPSK	50	0	16.92	16.80	16.91	16.79			20	QPSK	50	0	20.25	20.16	20.16	20.16			20	QPSK	50	0	18.71	18.62	18.87	18.87		
20	QPSK	50	24	19.43	19.40	19.42	19.42			20	QPSK	50	24	16.88	16.74	16.82	16.82			20	QPSK	50	24	20.25	20.09	20.12	20.04	21	0	20	QPSK	50	24	18.69	18.58	18.82	18.86		
20	QPSK	100	0	19.40	19.33	19.33	19.33			20	QPSK	100	0	16.90	16.76	16.80	16.82			20	QPSK	100	0	20.25	20.22	20.23	20.20			20	QPSK	100	0	18.65	18.58	18.80	18.86		
20	QPSK	100	0	19.35	19.41	19.37	19.35			20	QPSK	100	0	16.92	16.75	16.81	16.79	17.5	0	20	QPSK	100	0	20.25	20.09	20.12	20.04	21	0	20	QPSK	100	0	18.69	18.58	18.82	18.86		
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	19.29	19.37	19.39	19.39			15	QPSK	1	0	19.78	19.81	19.84	19.74			15	QPSK	1	0	20.38	20.38	20.39	20.39			15	QPSK	1	0	18.79	18.68	18.85	18.86		
15	QPSK	1	37	19.23	19.38	19.31	19.08	20	0	15	QPSK	1	37	16.77	16.74	16.85	16.87	17.5	0	15	QPSK	1	37	20.38	20.35	20.35	20.34	21	0	15	QPSK	1	37	18.52	18.52	18.84			
15	QPSK	1	74	19.35	19.28	19.13	19.22			15	QPSK	1	74	16.83	16.87	16.80	16.72			15	QPSK	1	74	20.24	20.19	20.19	20.13			15	QPSK	1	74	18.68	18.64	18.83	18.82		
15	QPSK	36	0	19.30	19.32	19.33	19.32			15	QPSK	36	0	16.90	16.74	16.85	16.80			15	QPSK	36	0	20.23	20.14	20.08	20.14			15	QPSK	36	0	18.68	18.68	18.83	18.83		
15	QPSK	36	20	19.32	19.35	19.19	19.16	20	0	15	QPSK	36	20	16.81	16.78	16.88	16.84	17.5	0	15	QPSK	36	20	20.23	20.18	20.08	20.07	21	0	15	QPSK	36	20	18.64	18.64	18.83	18.83		
15	QPSK	36	50	19.31	19.32	19.13	19.12			15	QPSK	36	50	16.87	16.71	16.72	16.73			15	QPSK	36	50	20.21	20.21	20.13	20.09			15	QPSK	36	50	18.64	18.64	18.83	18.83		
15	QPSK	1	0	19.30	19.30	19.30	19.30			15	QPSK	1	0	16.88	16.84	16.72	16.80			15	QPSK	1	0	20.23	20.19	20.19	20.13			15	QPSK	1	0	18.69	18.62	18.81	18.86		
15	QPSK	1	37	19.21	19.25	19.08	19.15	20	0	15	QPSK	1	37	16.85	16.80	16.79	16.76	17.5	0	15	QPSK	1	37	20.18	20.09	19.95	19.88	21	0	15	QPSK	1	37	18.51	18.53	18.85	18.84		
15	QPSK	1	74	19.28	19.27	19.10	19.10			15	QPSK	1	74	16.88	16.88	16.84	16.80			15	QPSK	1	74	20.21	20.17	20.13	20.13			15	QPSK	1	74	18.69	18.62	18.81	18.86		
15	QPSK	36	0	19.21	19.22	19.06	19.22			15	QPSK	36	0	16.81	16.70	16.72	16.84			15	QPSK	36	0	20.20	20.05	19.98	19.87	21	0	15	QPSK	36	0	18.54	18.50	18.85	18.84		
15	QPSK	36	20	19.23	19.37	19.13	19.04			15	QPSK	36	20	16.92	16.85	16.83	16.73	17.5	0	15	QPSK	36	20	20.27	20.05	19.88	19.85	21	0	15	QPSK	36	20	18.54	18.50	18.85	18.84		
15	QPSK	36	50	19.24	19.27	19.10	19.10			15	QPSK	36	50	16.90	16.83	16.82	16.71			15	QPSK	36	50	20.27	20.05	19.88	19.85	21	0	15	QPSK	36	50	18.54	18.50	18.85	18.84		
15	QPSK	1	0	19.35	19.36	19.37	19.37			15	QPSK	1	0	16.88	16.74	16.88	16.77			15	QPSK	1	0	20.20	20.16	20.13	20.16			15	QPSK	1	0	18.72	18.65	18.86	18.86		
15	QPSK	1	37	19.23	19.38	19.31	19.08	20	0	15	QPSK	1	37	16.77	16.74	16.85	16.87	17.5	0	15	QPSK	1	37	20.38	20.35	20.35	20.34	21	0	15	QPSK	1	37	18.52	18.52	18.84			
15	QPSK	1	74	19.35	19.28	19.13	19.22			15	QPSK	1	74	16.83	16.87	16.80	16.72			15	QPSK	1	74	20.24	20.19	20.19	20.13			15	QPSK	1	74	18.68	18.64	18.83	18.82		
15	QPSK	36	0	19.30	19.32	19.33	19.32			15	QPSK	36	0	16.90	16.74	16.85	16.80			15	QPSK	36	0	20.23	20.14	20.08	20.14			15	QPSK	36	0	18.68	18.68	18.83	18.83		
15	QPSK	36	20	19.32	19.35	19.19	19.16	20	0	15	QPSK	36	20	16.81	16.78	16.88	16.84	17.5	0	15	QPSK	36	20	20.23	20.18	20.08	20.07	21	0	15	QPSK	36	20	18.64	18.64	18.83	18.83		
15	QPSK	36	50	19.31	19.32	19.13	19.1																																

Band 2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.76	17.88	17.77			
20	QPSK	1	49	17.71	17.68	17.56	19	0	
20	QPSK	1	99	17.49	17.65	17.70			
20	QPSK	50	0	17.67	17.75	17.71			
20	QPSK	50	24	17.54	17.64	17.60	19	0	
20	QPSK	50	53	17.43	17.56	17.68			
20	QPSK	100	0	17.65	17.71	17.67			
20	16QAM	1	0	17.57	17.64	17.57			
20	16QAM	1	49	17.74	17.60	17.61	19	0	
20	16QAM	1	99	17.53	17.66	17.54			
20	16QAM	50	0	17.69	17.76	17.62			
20	16QAM	50	24	17.62	17.63	17.65	19	0	
20	16QAM	50	53	17.54	17.61	17.68			
20	16QAM	100	0	17.78	17.59	17.62			
20	64QAM	1	0	17.68	17.73	17.56			
20	64QAM	1	49	17.58	17.46	17.54	19	0	
20	64QAM	1	99	17.63	17.62	17.53			
20	64QAM	50	0	17.67	17.75	17.71			
20	64QAM	50	24	17.60	17.57	17.61	19	0	
20	64QAM	50	50	17.70	17.56	17.48			
20	64QAM	100	0	17.48	17.56	17.57			
Channel									
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.64	17.73	17.70			
15	QPSK	1	37	17.68	17.64	17.42	19	0	
15	QPSK	1	74	17.35	17.56	17.55			
15	QPSK	36	0	17.56	17.62	17.58			
15	QPSK	36	20	17.52	17.58	17.45	19	0	
15	QPSK	36	39	17.33	17.46	17.63			
15	QPSK	75	0	17.56	17.56	17.55			
15	16QAM	1	0	17.50	17.53	17.47			
15	16QAM	1	37	17.73	17.49	17.51	19	0	
15	16QAM	1	74	17.52	17.58	17.46			
15	16QAM	36	0	17.59	17.75	17.58			
15	16QAM	36	20	17.61	17.57	17.42	19	0	
15	16QAM	36	39	17.54	17.56	17.53			
15	16QAM	75	0	17.35	17.52	17.57			
15	64QAM	1	0	17.61	17.58	17.51			
15	64QAM	1	37	17.49	17.34	17.39	19	0	
15	64QAM	1	74	17.53	17.48	17.52			
15	64QAM	36	0	17.60	17.62	17.70			
15	64QAM	36	20	17.54	17.46	17.53	19	0	
15	64QAM	36	39	17.67	17.51	17.38			
15	64QAM	75	0	17.47	17.52	17.44			
Channel									
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.70	17.75	17.67			
10	QPSK	1	25	17.05	17.66	17.41	19	0	
10	QPSK	1	49	17.34	17.59	17.58			
10	QPSK	25	0	17.62	17.71	17.70			
10	QPSK	25	12	17.46	17.50	17.45	19	0	
10	QPSK	25	25	17.31	17.47	17.69			
10	QPSK	50	0	17.56	17.70	17.59			
10	16QAM	1	0	17.45	17.47	17.51			
10	16QAM	1	25	17.72	17.55	17.50	19	0	
10	16QAM	1	49	17.43	17.62	17.42			
10	16QAM	25	0	17.59	17.68	17.57			
10	16QAM	25	12	17.55	17.50	17.50	19	0	
10	16QAM	25	25	17.47	17.54	17.52			
10	16QAM	50	0	17.66	17.58	17.54			
10	64QAM	1	0	17.62	17.63	17.42			
10	64QAM	1	25	17.49	17.38	17.45	19	0	
10	64QAM	1	49	17.48	17.47	17.52			
10	64QAM	25	0	17.54	17.70	17.64			
10	64QAM	25	12	17.59	17.47	17.54	19	0	
10	64QAM	25	25	17.64	17.52	17.39			
10	64QAM	50	0	17.44	17.59	17.47			
Channel									
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.73	17.78	17.76			
5	QPSK	1	12	17.54	17.63	17.54	19	0	
5	QPSK	1	24	17.42	17.58	17.65			
5	QPSK	12	0	17.61	17.68	17.62			
5	QPSK	12	7	17.47	17.50	17.58	19	0	
5	QPSK	12	13	17.34	17.59	17.63			
5	QPSK	25	0	17.64	17.67	17.66			
5	16QAM	1	0	17.40	17.56	17.48			
5	16QAM	1	12	17.62	17.59	17.48	19	0	
5	16QAM	1	24	17.43	17.54	17.52			
5	16QAM	12	0	17.54	17.64	17.48			
5	16QAM	12	7	17.55	17.58	17.51	19	0	
5	16QAM	25	0	17.70	17.46	17.55			
5	64QAM	1	0	17.62	17.60	17.54			
5	64QAM	1	12	17.52	17.41	17.49	19	0	
5	64QAM	1	24	17.51	17.60	17.51			
5	64QAM	12	0	17.54	17.70	17.58			
5	64QAM	12	7	17.59	17.46	17.53	19	0	
5	64QAM	12	13	17.67	17.48	17.45			
5	64QAM	25	0	17.44	17.61	17.51			
Channel									
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	17.70	17.80	17.68			
3	QPSK	1	8	17.61	17.56	17.55	19	0	
3	QPSK	1	16	17.41	17.63	17.60			
3	QPSK	8	0	17.54	17.58	17.57			
3	QPSK	8	7	17.41	17.50	17.46	19	0	
3	QPSK	15	0	17.56	17.60	17.67			
3	16QAM	1	0	17.36	17.49	17.56			
3	16QAM	1	8	17.59	17.51	17.57	19	0	
3	16QAM	1	16	17.47	17.53	17.45			
3	16QAM	8	0	17.56	17.62	17.49			
3	16QAM	8	4	17.60	17.50	17.50	19	0	
3	16QAM	8	7	17.57	17.58	17.66			
3	16QAM	15	0	17.75	17.58	17.54			
3	64QAM	1	0	17.61	17.59	17.52			
3	64QAM	1	8	17.47	17.39	17.43	19	0	
3	64QAM	1	16	17.52	17.48	17.44			
3	64QAM	8	0	17.56	17.62	17.63			
3	64QAM	8	4	17.45	17.50	17.49	19	0	
3	64QAM	8	7	17.66	17.57	17.41			
3	64QAM	15	0	17.41	17.64	17.50			
Channel									
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	17.67	17.75	17.63			
1.4	QPSK	1	3	17.56	17.54	17.52	19	0	
1.4	QPSK	1	5	17.47	17.51	17.69			
1.4	QPSK	3	0	17.64	17.72	17.67			
1.4	QPSK	3	1	17.41	17.55	17.52	19	0	
1.4	QPSK	3	3	17.36	17.54	17.55			
1.4	16QAM	1	0	17.40	17.56	17.49	19	0	
1.4	16QAM	1	3	17.73	17.57	17.60			
1.4	16QAM	1	5	17.47	17.58	17.44			
1.4	16QAM	3	0	17.60	17.65	17.54	19	0	
1.4	16QAM	3	1	17.54	17.61	17.55			
1.4	16QAM	3	3	17.52	17.58	17.57			
1.4	16QAM	6	0	17.72	17.45	17.55	19	0	
1.4	64QAM	1	0	17.65	17.63	17.51			
1.4	64QAM	1	3	17.47	17.34	17.46			
1.4	64QAM	1	5	17.51	17.60	17.51	19	0	
1.4	64QAM	3	0	17.58	17.61	17.59			
1.4	64QAM	3	1	17.50	17.53	17.55			
1.4	64QAM	3	3	17.62	17.50	17.42	19	0	

Band 2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
Channel							18700	18800	19100
Frequency (MHz)							1860	1880	1900
20	QPSK	1	0	23.50	23.55	23.44	24.5	0	
20	QPSK	1	49	23.42	23.45	23.40			
20	QPSK	1	99	23.34	23.24	23.24			
20	QPSK	50	0	22.43	22.45	22.39			
20	QPSK	50	24	22.37	22.42	22.37	23.5	1	
20	QPSK	50	50	22.35	22.36	22.30			
20	QPSK	100	0	22.40	22.42	22.40			
20	16QAM	1	0	22.88	22.74	22.70			
20	16QAM	1	49	22.73	22.66	22.82	23.5	1	
20	16QAM	1	99	22.57	22.70	22.55			
20	16QAM	50	0	21.39	21.48	21.38			
20	16QAM	50	24	21.44	21.38	21.34			
20	16QAM	50	50	21.35	21.3	21.35	22.5	2	
20	16QAM	100	0	21.38	21.40	21.34			
20	64QAM	1	0	21.67	21.58	21.54			
20	64QAM	1	49	21.38	21.60	21.26			
20	64QAM	1	99	21.31	21.60	21.32	21.5	3	
20	64QAM	50	0	20.43	20.43	20.33			
20	64QAM	50	24	20.40	20.40	20.36			
20	64QAM	50	50	20.38	20.32	20.26			
20	64QAM	100	0	20.37	20.39	20.35			
Channel							18675	18800	19125
Frequency (MHz)							1867.5	1880	1902.5
15	QPSK	1	0	23.49	23.29	23.23	24.5	0	
15	QPSK	1	37	23.40	23.47	23.33			
15	QPSK	1	74	23.20	23.21	23.34			
15	QPSK	36	0	22.30	22.29	22.38			
15	QPSK	36	20	22.28	22.25	22.35	23.5	1	
15	QPSK	36	39	22.22	22.24	22.22			
15	QPSK	75	0	22.41	22.39	22.27			
15	16QAM	1	0	22.86	22.73	22.55			
15	16QAM	1	37	22.61	22.65	22.69	23.5	1	
15	16QAM	1	74	22.62	22.54	22.54			
15	16QAM	36	0	21.47	21.32	21.33			
15	16QAM	36	20	21.29	21.31	21.31			
15	16QAM	36	39	21.29	21.23	21.30	22.5	2	
15	16QAM	75	0	21.36	21.37	21.33			
15	64QAM	1	0	21.48	21.58	21.42			
15	64QAM	1	37	21.53	21.27	21.12			
15	64QAM	1	74	21.45	21.28	21.24	22.5	2	
15	64QAM	36	0	20.40	20.38	20.30			
15	64QAM	36	20	20.26	20.34	20.26			
15	64QAM	36	39	20.21	20.25	20.14			
15	64QAM	75	0	20.25	20.25	20.27			
Channel							18650	18800	19150
Frequency (MHz)							1865	1880	1910
10	QPSK	1	0	23.39	23.33	23.32	24.5	0	
10	QPSK	1	25	23.48	23.43	23.41			
10	QPSK	1	49	23.22	23.22	23.15			
10	QPSK	25	0	22.35	22.40	22.26			
10	QPSK	25	12	22.35	22.29	22.29	23.5	1	
10	QPSK	50	0	22.40	22.29	22.21			
10	16QAM	1	0	22.60	22.57	22.57			
10	16QAM	1	25	22.61	22.60	22.72			
10	16QAM	1	49	22.56	22.52	22.48	23.5	1	
10	16QAM	25	0	21.41	21.36	21.34			
10	16QAM	25	12	21.28	21.36	21.20			
10	16QAM	25	25	21.21	21.26	21.16			
10	16QAM	50	0	21.27	21.26	21.26	22.5	2	
10	64QAM	1	0	21.50	21.5	21.4			
10	64QAM	1	25	21.57	21.25	21.25			
10	64QAM	1	49	21.58	21.24	21.26			
10	64QAM	25	0	20.40	20.28	20.18	21.5	3	
10	64QAM	25	12	20.26	20.32	20.34			
10	64QAM	25	25	20.24	20.24	20.25			
10	64QAM	50	0	20.25	20.23	20.23			
Channel							18625	18800	19175
Frequency (MHz)							1862.5	1880	1907.5
5	QPSK	1	0	23.42	23.31	23.31	24.5	0	
5	QPSK	1	12	23.50	23.33	23.33			
5	QPSK	1	24	23.18	23.28	23.15			
5	QPSK	12	0	22.30	22.39	22.32			
5	QPSK	12	7	22.32	22.22	22.35	23.5	1	
5	QPSK	12	13	22.21	22.30	22.23			
5	QPSK	25	0	22.27	22.39	22.28			
5	16QAM	1	0	22.59	22.73	22.57			
5	16QAM	1	12	22.61	22.72	22.87	23.5	1	
5	16QAM	1	24	22.63	22.55	22.47			
5	16QAM	12	0	21.44	21.38	21.30			
5	16QAM	12	7	21.25	21.41	21.24			
5	16QAM	25	0	21.26	21.20	21.12	22.5	2	
5	16QAM	25	10	21.36	21.36	21.24			
5	64QAM	1	0	21.44	21.64	21.43			
5	64QAM	1	12	21.46	21.31	21.16			
5	64QAM	1	24	21.46	21.16	21.25	22.5	2	
5	64QAM	12	0	20.31	20.29	20.29			
5	64QAM	12	7	20.36	20.26	20.23			
5	64QAM	12	13	20.30	20.34	20.14			
5	64QAM	25	0	20.32	20.31	20.24	21.5	3	
Channel							18615	18800	19185
Frequency (MHz)							1861.5	1880	1908.5
3	QPSK	1	0	23.43	23.29	23.28	24.5	0	
3	QPSK	1	8	23.43	23.48	23.36			
3	QPSK	1	14	23.17	23.24	23.22			
3	QPSK	8	0	22.35	22.42	22.28			
3	QPSK	8	7	22.35	22.22	22.22	23.5	1	
3	QPSK	8	7	22.21	22.31	22.21			
3	QPSK	15	0	22.32	22.29	22.26			
3	16QAM	1	0	22.64	22.77	22.56			
3	16QAM	1	8	22.58	22.69	22.79	23.5	1	
3	16QAM	1	14	22.55	22.46	22.46			
3	16QAM	8	0	21.37	21.3	21.35			
3	16QAM	8	4	21.26	21.42	21.32			
3	16QAM	8	7	21.30	21.23	21.21	22.5	2	
3	16QAM	15	0	21.34	21.25	21.31			
3	64QAM	1	0	21.44	21.64	21.41			
3	64QAM	1	8	21.46	21.27	21.14			
3	64QAM	1	14	21.47	21.28	21.25	22.5	2	
3	64QAM	8	0	20.45	20.45	20.34			
3	64QAM	8	4	20.29	20.25	20.25			
3	64QAM	8	7	20.25	20.28	20.21			
3	64QAM	15	0	20.36	20.28	20.28	21.5	3	
Channel							18607	18800	19193
Frequency (MHz)							1860.7	1880	1909.3
1.4	QPSK	1	0	23.50	23.37	23.20	24.5	0	
1.4	QPSK	1	3	23.51	23.43	23.37			
1.4	QPSK	1	5	23.19	23.20	23.23			
1.4	QPSK	1	0	22.46	22.49	23.31			
1.4	QPSK	3	1	23.57	23.59	23.35	23.5	1	
1.4	QPSK	3	3	23.17	23.29	23.23			
1.4	QPSK	6	0	22.27	22.25	22.32			
1.4	16QAM	1	0	22.63	22.76	22.68			
1.4	16QAM	1	3	22.65	22.60	22.80	23.5	1	
1.4	16QAM	1	5	22.57	22.54	22.40			
1.4	16QAM	3	0	22.63	22.63	22.55			
1.4	16QAM	3	3	22.58	22.46	22.49			
1.4	16QAM	6	0	21.37	21.27	21.24	22.5	2	
1.4	64QAM	1	0	21.57	21.61	21.39			
1.4	64QAM	1	3	21.52	21.28	21.17			
1.4	64QAM	1	5	21.50	21.17	21.25			
1.4	64QAM	3	0	21.44	21.62	21.49	22.5	2	
1.4	64QAM	3	3	21.45	21.35	21.32			
1.4	64QAM	3	5	21.52	21.18	21.22			
1.4	64QAM	6	0	20.38	20.30	20.32			

Band 2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1890	1900			
20	QPSK	1	0	15.85	13.90	13.89			
20	QPSK	1	49	13.63	13.68	13.67			0
20	QPSK	1	99	13.64	13.72	13.65			
20	QPSK	50	0	13.53	13.84	13.83			
20	QPSK	50	24	13.77	13.74	13.72			0
20	QPSK	50	50	13.58	13.81	13.73		15	
20	QPSK	100	0	13.70	13.76	13.63			
20	16QAM	1	0	13.52	13.75	13.65			
20	16QAM	1	49	13.73	13.84	13.69			0
20	16QAM	1	99	13.73	13.74	13.62			
20	16QAM	50	0	13.64	13.78	13.62			
20	16QAM	50	24	13.56	13.67	13.70			0
20	16QAM	50	50	13.76	13.81	13.73		15	
20	16QAM	100	0	13.68	13.72	13.65			
20	64QAM	1	0	13.64	13.70	13.75			
20	64QAM	1	49	13.65	13.73	13.73			0
20	64QAM	1	99	13.71	13.83	13.66			
20	64QAM	50	0	13.72	13.76	13.75			
20	64QAM	50	24	13.59	13.79	13.59			0
20	64QAM	50	50	13.69	13.82	13.71		15	
20	64QAM	100	0	13.80	13.78	13.72			
Channel				18675	18900	19125	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1890	1902.5			
15	QPSK	1	0	13.74	13.81	13.84			
15	QPSK	1	37	13.57	13.58	13.65			0
15	QPSK	1	74	13.58	13.70	13.51			
15	QPSK	36	0	13.69	13.76	13.78			
15	QPSK	36	20	13.65	13.70	13.65			0
15	QPSK	36	39	13.51	13.65	13.68			
15	QPSK	75	0	13.53	13.66	13.67			
15	16QAM	1	0	13.51	13.69	13.52			
15	16QAM	1	37	13.83	13.53	13.61			0
15	16QAM	1	74	13.65	13.62	13.69			
15	16QAM	36	0	13.53	13.72	13.60			
15	16QAM	36	20	13.41	13.54	13.63			0
15	16QAM	36	39	13.75	13.73	13.75			
15	16QAM	75	0	13.66	13.71	13.64			
15	64QAM	1	0	13.54	13.62	13.61			
15	64QAM	1	37	13.55	13.59	13.69			0
15	64QAM	1	74	13.65	13.69	13.62			
15	64QAM	36	0	13.60	13.63	13.68			
15	64QAM	36	20	13.49	13.67	13.58			0
15	64QAM	36	39	13.65	13.58	13.67			
15	64QAM	75	0	13.79	13.60	13.62			
Channel				18650	18900	19150	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865.0	18900	19150			
10	QPSK	1	0	13.71	13.83	13.80			
10	QPSK	1	25	13.48	13.59	13.53			0
10	QPSK	1	49	13.62	13.61	13.58			
10	QPSK	25	0	13.74	13.75	13.72			
10	QPSK	25	12	13.71	13.73	13.58			0
10	QPSK	25	25	13.46	13.60	13.58			
10	QPSK	50	0	13.65	13.72	13.68			
10	QPSK	50	12	13.70	13.70	13.57			0
10	16QAM	1	0	13.50	13.63	13.59			
10	16QAM	1	49	13.60	13.66	13.49			0
10	16QAM	25	0	13.51	13.75	13.53			
10	16QAM	25	12	13.43	13.52	13.65			0
10	16QAM	25	25	13.65	13.74	13.78			
10	16QAM	50	0	13.54	13.59	13.57			
10	64QAM	1	0	13.54	13.56	13.66			0
10	64QAM	1	25	13.50	13.60	13.71			
10	64QAM	1	49	13.67	13.75	13.59			
10	64QAM	25	0	13.68	13.64	13.63			
10	64QAM	25	12	13.50	13.68	13.53			0
10	64QAM	25	25	13.62	13.55	13.69			
10	64QAM	50	0	13.71	13.62	13.60			
Channel				18625	18900	19175	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1890	1907.5			
5	QPSK	1	0	13.75	13.78	13.77			
5	QPSK	1	0	13.60	13.61	13.61			0
5	QPSK	1	24	13.51	13.68	13.61			
5	QPSK	12	0	13.80	13.82	13.71			
5	QPSK	12	7	13.66	13.60	13.71			0
5	QPSK	12	13	13.56	13.57	13.60			
5	QPSK	25	0	13.58	13.72	13.52			
5	16QAM	1	0	13.51	13.60	13.51			
5	16QAM	1	12	13.67	13.55	13.62			0
5	16QAM	1	24	13.69	13.62	13.50			
5	16QAM	12	0	13.60	13.75	13.56			
5	16QAM	12	7	13.52	13.57	13.55			0
5	16QAM	12	13	13.73	13.66	13.71			
5	16QAM	25	0	13.55	13.84	13.62			
5	64QAM	1	0	13.51	13.67	13.70			
5	64QAM	1	12	13.51	13.63	13.69			0
5	64QAM	1	24	13.57	13.53	13.59			
5	64QAM	12	0	13.71	13.84	13.73			
5	64QAM	12	7	13.51	13.72	13.58			0
5	64QAM	12	13	13.56	13.53	13.60			
5	64QAM	25	0	13.72	13.73	13.78			
Channel				18615	18900	19185	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1861.5	1890	1908.5			
3	QPSK	1	0	13.81	13.88	13.84			
3	QPSK	1	8	13.62	13.53	13.74			0
3	QPSK	1	14	13.61	13.66	13.55			
3	QPSK	8	0	13.82	13.77	13.78			
3	QPSK	8	4	13.71	13.61	13.64			0
3	QPSK	8	7	13.53	13.56	13.64			
3	QPSK	15	0	13.69	13.68	13.53			
3	16QAM	1	0	13.44	13.74	13.53			0
3	16QAM	1	8	13.67	13.58	13.59			
3	16QAM	1	14	13.67	13.60	13.87			0
3	16QAM	8	0	13.81	13.73	13.52			
3	16QAM	8	4	13.45	13.59	13.59			0
3	16QAM	8	7	13.75	13.66	13.78			
3	16QAM	15	0	13.59	13.61	13.57			
3	64QAM	1	0	13.61	13.68	13.65			
3	64QAM	1	8	13.54	13.63	13.61			0
3	64QAM	1	14	13.80	13.76	13.55			
3	64QAM	8	0	13.83	13.73	13.88			
3	64QAM	8	4	13.45	13.68	13.46			0
3	64QAM	8	7	13.58	13.53	13.65			
3	64QAM	15	0	13.71	13.72	13.83			
Channel				18607	18900	19193	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860.7	1890	1909.3			
1.4	QPSK	1	0	13.78	13.80	13.86			
1.4	QPSK	1	3	13.56	13.61	13.54			0
1.4	QPSK	1	5	13.51	13.60	13.58			
1.4	QPSK	1	0	13.73	13.79	13.70			0
1.4	QPSK	3	1	13.63	13.67	13.69			
1.4	QPSK	3	3	13.57	13.56	13.84			
1.4	QPSK	6	0	13.55	13.70	13.48			0
1.4	16QAM	1	0	13.48	13.63	13.60			
1.4	16QAM	1	3	13.65	13.54	13.64			
1.4	16QAM	1	5	13.62	13.69	13.52			0
1.4	16QAM	3	0	13.55	13.74	13.61			
1.4	16QAM	3	1	13.46	13.73	13.64			0
1.4	16QAM	3	3	13.72	13.68	13.73			
1.4	16QAM	6	0	13.61	13.68	13.56			0
1.4	64QAM	1	0	13.52	13.61	13.74			
1.4	64QAM	1	3	13.63	13.64	13.64			
1.4	64QAM	1	5	13.65	13.78	13.52			0
1.4	64QAM	3	0	13.63	13.60	13.72			
1.4	64QAM	3	1	13.56	13.67	13.68			0
1.4	64QAM	3	3	13.56	13.49	13.57			
1.4	64QAM	6	0	13.69	13.63	13.61			0

Band 4_Ant 1															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)				20050	20175	20300									
				1720	1732.5	1745									
20	QPSK	1	0	18.61	18.61	18.67	20	0							
20	QPSK	1	49	18.52	18.50	18.61									
20	QPSK	1	99	18.61	18.54	18.58									
20	QPSK	50	0	18.62	18.66	18.53									
20	QPSK	50	24	18.52	18.63	18.55	20	0							
20	QPSK	50	50	18.44	18.51	18.38									
20	QPSK	100	0	18.50	18.54	18.61									
20	16QAM	1	0	18.47	18.49	18.60									
20	16QAM	1	49	18.46	18.52	18.46	20	0							
20	16QAM	1	99	18.43	18.67	18.42									
20	16QAM	50	0	18.47	18.68	18.65									
20	16QAM	50	24	18.60	18.63	18.60									
20	16QAM	50	50	18.44	18.51	18.38	20	0							
20	16QAM	100	0	18.49	18.51	18.41									
20	64QAM	1	0	18.46	18.49	18.51									
20	64QAM	1	49	18.54	18.57	18.55									
20	64QAM	1	99	18.43	18.50	18.65	20	0							
20	64QAM	50	0	18.67	18.67	18.66									
20	64QAM	50	24	18.72	18.65	18.62									
20	64QAM	50	50	18.68	18.64	18.76									
20	64QAM	100	0	18.72	18.56	18.72									
Channel															
Frequency (MHz)				20025	20175	20325	Turn-up limit (dBm)	MPR (dB)							
				1717.5	1732.5	1747.5									
15	QPSK	1	0	18.53	18.71	18.54	20	0							
15	QPSK	1	37	18.40	18.35	18.59									
15	QPSK	1	74	18.48	18.48	18.54									
15	QPSK	36	0	18.48	18.58	18.56									
15	QPSK	36	20	18.49	18.52	18.44	20	0							
15	QPSK	36	39	18.35	18.52	18.46									
15	QPSK	75	0	18.41	18.46	18.56									
15	16QAM	1	0	18.34	18.48	18.58									
15	16QAM	1	37	18.42	18.41	18.42	20	0							
15	16QAM	1	74	18.33	18.64	18.33									
15	16QAM	36	0	18.34	18.55	18.60									
15	16QAM	36	20	18.47	18.59	18.58									
15	16QAM	36	39	18.34	18.47	18.23	20	0							
15	16QAM	75	0	18.37	18.42	18.36									
15	64QAM	1	0	18.32	18.43	18.45									
15	64QAM	1	37	18.47	18.44	18.45									
15	64QAM	1	74	18.28	18.37	18.53	20	0							
15	64QAM	36	0	18.63	18.57	18.60									
15	64QAM	36	20	18.68	18.63	18.61									
15	64QAM	36	39	18.63	18.54	18.68									
15	64QAM	75	0	18.61	18.46	18.68									
Channel															
Frequency (MHz)				20000	20175	20300	Turn-up limit (dBm)	MPR (dB)							
				1715	1732.5	1750									
10	QPSK	1	0	18.49	18.76	18.65	20	0							
10	QPSK	1	25	18.44	18.48	18.59									
10	QPSK	1	49	18.56	18.41	18.56									
10	QPSK	25	0	18.54	18.58	18.50									
10	QPSK	25	12	18.44	18.53	18.50	20	0							
10	QPSK	25	25	18.41	18.43	18.41									
10	QPSK	50	0	18.48	18.58	18.50									
10	16QAM	1	0	18.41	18.42	18.46									
10	16QAM	1	25	18.34	18.46	18.42	20	0							
10	16QAM	1	49	18.35	18.61	18.35									
10	16QAM	25	0	18.42	18.60	18.61									
10	16QAM	25	12	18.57	18.49	18.55									
10	16QAM	25	25	18.35	18.38	18.24	20	0							
10	16QAM	50	0	18.45	18.44	18.26									
10	64QAM	1	0	18.32	18.41	18.39									
10	64QAM	1	25	18.45	18.54	18.51									
10	64QAM	1	49	18.35	18.35	18.57	20	0							
10	64QAM	25	0	18.59	18.55	18.58									
10	64QAM	25	12	18.67	18.63	18.47									
10	64QAM	25	25	18.58	18.57	18.71									
10	64QAM	50	0	18.65	18.52	18.63									
Channel															
Frequency (MHz)				19975	20175	20375	Turn-up limit (dBm)	MPR (dB)							
				1712.5	1732.5	1752.5									
5	QPSK	1	0	18.48	18.67	18.52	20	0							
5	QPSK	1	12	18.45	18.47	18.49									
5	QPSK	1	24	18.32	18.41	18.52									
5	QPSK	12	0	18.54	18.51	18.53									
5	QPSK	12	7	18.41	18.60	18.45	20	0							
5	QPSK	12	13	18.29	18.53	18.48									
5	QPSK	25	0	18.48	18.61	18.54									
5	16QAM	1	0	18.43	18.43	18.50									
5	16QAM	1	12	18.45	18.44	18.39	20	0							
5	16QAM	1	24	18.42	18.63	18.29									
5	16QAM	12	0	18.46	18.66	18.58									
5	16QAM	12	7	18.48	18.57	18.46									
5	16QAM	12	13	18.34	18.41	18.27	20	0							
5	16QAM	25	0	18.47	18.48	18.39									
5	64QAM	1	0	18.38	18.34	18.38									
5	64QAM	1	12	18.45	18.55	18.48									
5	64QAM	1	24	18.41	18.61	18.56	20	0							
5	64QAM	12	0	18.65	18.53	18.61									
5	64QAM	12	7	18.70	18.59	18.47									
5	64QAM	12	13	18.58	18.51	18.71									
5	64QAM	25	0	18.68	18.50	18.66									
Channel															
Frequency (MHz)				19957	20175	20393	Turn-up limit (dBm)	MPR (dB)							
				1710.7	1732.5	1754.3									
1.4	QPSK	1	0	18.51	18.79	18.65	20	0							
1.4	QPSK	1	8	18.38	18.36	18.51									
1.4	QPSK	1	14	18.57	18.40	18.54									
1.4	QPSK	1	18	18.49	18.57	18.55									
1.4	QPSK	8	4	18.43	18.58	18.51	20	0							
1.4	QPSK	8	7	18.43	18.50	18.39									
1.4	QPSK	15	0	18.47	18.56	18.51									
1.4	16QAM	1	0	18.35	18.39	18.47	20	0							
1.4	16QAM	1	8	18.32	18.50	18.45									
1.4	16QAM	1	12	18.37	18.66	18.41									
1.4	16QAM	8	0	18.39	18.64	18.61									
1.4	16QAM	8	4	18.53	18.57	18.46	20	0							
1.4	16QAM	8	7	18.32	18.39	18.33									
1.4	16QAM	15	0	18.42	18.42	18.35									
1.4	64QAM	1	0	18.38	18.34	18.43									
1.4	64QAM	1	8	18.53	18.46	18.50	20	0							
1.4	64QAM	1	14	18.50	18.37	18.62									
1.4	64QAM	8	0	18.65	18.54	18.62									
1.4	64QAM	8	4	18.64	18.57	18.61									
1.4	64QAM	8	7	18.58	18.62	18.61	20	0							
1.4	64QAM	15	0	18.60	18.62	18.58									
Channel															
Frequency (MHz)				19957	20175	20393	Turn-up limit (dBm)	MPR (dB)							
				1710.7	1732.5	1754.3									
1.4	QPSK	1	0	18.57	18.75	18.62	20	0							
1.4	QPSK	1	3	18.38	18.45	18.66									
1.4	QPSK	1	5	18.49	18.42	18.49									
1.4	QPSK	1	9	18.53	18.58	18.55									
1.4	QPSK	3	1	18.41	18.58	18.54	20	0							
1.4	QPSK	3	3	18.43	18.53	18.46									
1.4	QPSK	6	0	18.49	18.54	18.55									
1.4	16QAM	1	0	18.40	18.40	18.51									
1.4	16QAM	1	3	18.38	18.46	18.31	20	0							
1.4	16QAM	1	5	18.33	18.64	18.35									
1.4	16QAM	3	0	18.36	18.67	18.62									
1.4	16QAM	3	1	18.49	18.61	18.63									
1.4	16QAM	3	3	18.33	18.40	18.37	20	0							
1.4	16QAM	6	0	18.42	18.38	18.30									
1.4	64QAM	1	0	18.32	18.48	18.40									
1.4	64QAM	1	3	18.44	18.48	18.41									
1.4	64QAM	1	5	18.34	18.41	18.51	20	0							
1.4	64QAM	3	0	18.66	18.57	18.61									
1.4	64QAM	3	1	18.53	18.60	18.60									
1.4	64QAM	3	3	18.59	18.54	18.69									

Band 5_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.75	23.87	23.88	25	0			
10	QPSK	1	25	23.66	23.74	23.53					
10	QPSK	1	49	23.70	23.82	23.74					
10	QPSK	25	0	22.84	22.77	22.74					
10	QPSK	25	12	22.83	22.87	22.72	24	1			
10	QPSK	25	25	22.83	22.89	22.70					
10	QPSK	50	0	22.87	22.75	22.73					
10	16QAM	1	0	22.74	22.93	22.97					
10	16QAM	1	25	22.74	22.74	23.02	24	1			
10	16QAM	1	49	22.71	23.00	22.97					
10	16QAM	25	0	21.86	21.83	21.74					
10	16QAM	25	12	21.80	21.71	21.69					
10	16QAM	25	25	21.80	21.78	21.71	23	2			
10	16QAM	50	0	21.82	21.73	21.71					
10	64QAM	1	0	21.93	22.06	21.96					
10	64QAM	1	25	21.85	21.77	21.85					
10	64QAM	1	49	21.84	21.98	21.81	23	2			
10	64QAM	25	0	20.60	20.73	20.66					
10	64QAM	25	12	20.52	20.62	20.69					
10	64QAM	25	25	20.66	20.68	20.81					
10	64QAM	50	0	20.63	20.68	20.74	22	3			
Channel				20425	20525	20625				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	23.75	23.85	23.83	25	0			
5	QPSK	1	12	23.54	23.73	23.39					
5	QPSK	1	24	23.65	23.77	23.62					
5	QPSK	12	0	22.00	22.72	22.81					
5	QPSK	12	7	22.51	22.56	22.71	24	1			
5	QPSK	12	13	22.55	22.62	22.62					
5	QPSK	25	0	22.56	22.62	22.66					
5	16QAM	1	0	22.67	22.80	22.91					
5	16QAM	1	12	22.81	22.82	22.83	24	1			
5	16QAM	1	24	22.87	22.80	22.86					
5	16QAM	12	0	21.85	21.54	21.72					
5	16QAM	12	7	21.56	21.64	21.65					
5	16QAM	12	13	21.57	21.73	21.70	23	2			
5	16QAM	25	0	21.81	21.66	21.58					
5	64QAM	1	0	21.89	22.01	21.87					
5	64QAM	1	12	21.75	21.69	21.84					
5	64QAM	1	24	21.72	21.83	21.76	23	2			
5	64QAM	12	0	20.48	20.67	20.60					
5	64QAM	12	7	20.46	20.50	20.58					
5	64QAM	12	13	20.57	20.55	20.72					
5	64QAM	25	0	20.68	20.62	20.74	22	3			
Channel				20415	20525	20635				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.74	23.81	23.76	25	0			
3	QPSK	1	8	23.52	23.66	23.39					
3	QPSK	1	14	23.61	23.69	23.70					
3	QPSK	8	0	22.57	22.76	22.71					
3	QPSK	8	4	22.62	22.59	22.69	24	1			
3	QPSK	8	7	22.60	22.81	22.89					
3	QPSK	15	0	22.59	22.73	22.64					
3	16QAM	1	0	22.82	22.89	22.88					
3	16QAM	1	8	22.72	22.68	22.87	24	1			
3	16QAM	1	14	22.66	22.86	22.91					
3	16QAM	8	0	21.85	21.57	21.83					
3	16QAM	8	4	21.48	21.63	21.63					
3	16QAM	8	7	21.59	21.64	21.64	23	2			
3	16QAM	15	0	21.53	21.61	21.56					
3	64QAM	1	0	21.80	21.95	21.95					
3	64QAM	1	8	21.78	21.69	21.88					
3	64QAM	1	14	21.70	21.85	21.70	23	2			
3	64QAM	8	0	20.49	20.66	20.51					
3	64QAM	8	4	20.42	20.48	20.57					
3	64QAM	8	7	20.63	20.65	20.73					
3	64QAM	15	0	20.68	20.59	20.65	22	3			
Channel				20407	20525	20643				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	23.69	23.72	23.84	25	0			
1.4	QPSK	1	3	23.51	23.71	23.45					
1.4	QPSK	1	5	23.57	23.77	23.85					
1.4	QPSK	3	0	23.71	23.80	23.85					
1.4	QPSK	3	1	23.63	23.68	23.45	24	1			
1.4	QPSK	3	3	23.69	23.70	23.73					
1.4	QPSK	6	0	22.58	22.61	22.65					
1.4	16QAM	1	0	22.73	22.91	22.88					
1.4	16QAM	1	3	22.64	22.59	23.00	24	1			
1.4	16QAM	1	5	22.86	22.86	22.84					
1.4	16QAM	3	0	22.73	22.86	22.87					
1.4	16QAM	3	1	22.84	22.71	23.01					
1.4	16QAM	3	3	22.59	22.88	22.86	23	2			
1.4	16QAM	6	0	21.57	21.64	21.67					
1.4	64QAM	1	0	21.92	21.93	21.87					
1.4	64QAM	1	3	21.82	21.73	21.92					
1.4	64QAM	1	5	21.80	21.92	21.88	23	2			
1.4	64QAM	3	0	21.49	21.75	21.69					
1.4	64QAM	3	1	21.53	21.69	21.70					
1.4	64QAM	3	3	21.98	21.99	21.97					
1.4	64QAM	6	0	20.60	20.59	20.77	22	3			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	19.87	20.05	19.95	21.5	0	
10	QPSK	1	25	19.81	19.87	19.73			
10	QPSK	1	49	19.87	19.87	19.81			
10	QPSK	25	0	19.93	19.95	19.91			
10	QPSK	25	12	19.82	19.86	19.81	21.5	0	
10	QPSK	25	25	19.86	19.85	19.72			
10	QPSK	50	0	19.90	19.92	19.85			
10	16QAM	1	0	19.89	19.85	19.85			
10	16QAM	1	25	19.83	19.84	19.86	21.5	0	
10	16QAM	1	49	19.92	20.03	19.91			
10	16QAM	25	0	19.73	19.89	19.83			
10	16QAM	25	12	19.80	19.90	19.82			
10	16QAM	25	25	19.85	19.89	19.86	21.5	0	
10	16QAM	50	0	19.72	19.96	19.89			
10	64QAM	1	0	19.90	19.84	19.80			
10	64QAM	1	25	19.85	19.87	19.80			
10	64QAM	1	49	19.88	19.82	19.83	21.5	0	
10	64QAM	25	0	19.76	19.98	19.83			
10	64QAM	25	12	19.82	19.83	19.87			
10	64QAM	25	25	19.92	19.98	19.90			
10	64QAM	50	0	19.77	19.79	19.86			
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.91	20.02	19.83	21.5	0	
5	QPSK	1	12	19.89	19.86	19.58			
5	QPSK	1	24	19.85	19.84	19.71			
5	QPSK	12	0	19.82	19.93	19.86			
5	QPSK	12	7	19.76	19.77	19.67	21.5	0	
5	QPSK	12	13	19.82	19.73	19.65			
5	QPSK	25	0	19.83	19.81	19.73			
5	16QAM	1	0	19.78	19.70	19.74			
5	16QAM	1	12	19.70	19.80	19.79	21.5	0	
5	16QAM	1	24	19.88	19.89	19.86			
5	16QAM	12	0	19.60	19.86	19.74			
5	16QAM	12	7	19.72	19.85	19.71			
5	16QAM	12	13	19.83	19.74	19.74	21.5	0	
5	16QAM	25	0	19.70	19.86	19.82			
5	64QAM	1	0	19.88	19.79	19.67			
5	64QAM	1	12	19.71	19.85	19.70			
5	64QAM	1	24	19.75	19.67	19.68	21.5	0	
5	64QAM	12	0	19.65	19.94	19.77			
5	64QAM	12	7	19.75	19.79	19.72			
5	64QAM	12	13	19.83	19.90	19.76			
5	64QAM	25	0	19.73	19.76	19.76			
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	19.93	20.02	19.93	21.5	0	
3	QPSK	1	8	19.68	19.81	19.61			
3	QPSK	1	14	19.86	19.86	19.77			
3	QPSK	8	0	19.92	19.83	19.86			
3	QPSK	8	4	19.76	19.78	19.68	21.5	0	
3	QPSK	8	7	19.83	19.70	19.68			
3	QPSK	15	0	19.75	19.86	19.74			
3	16QAM	1	0	19.86	19.75	19.71			
3	16QAM	1	8	19.79	19.81	19.85	21.5	0	
3	16QAM	1	14	19.90	19.91	19.80			
3	16QAM	8	0	19.63	19.96	19.82			
3	16QAM	8	4	19.67	19.77	19.78			
3	16QAM	8	7	19.75	19.79	19.76	21.5	0	
3	16QAM	15	0	19.71	19.85	19.77			
3	64QAM	1	0	19.88	19.72	19.77			
3	64QAM	1	8	19.70	19.81	19.71			
3	64QAM	1	14	19.73	19.79	19.74	21.5	0	
3	64QAM	8	0	19.66	19.87	19.68			
3	64QAM	8	4	19.73	19.80	19.81			
3	64QAM	8	7	19.79	19.87	19.87			
3	64QAM	15	0	19.66	19.77	19.77			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	19.87	19.98	19.94	21.5	0	
1.4	QPSK	1	3	19.66	19.85	19.62			
1.4	QPSK	1	5	19.77	19.96	19.71			
1.4	QPSK	3	0	19.85	19.84	19.86			
1.4	QPSK	3	1	19.80	19.78	19.72	21.5	0	
1.4	QPSK	3	3	19.82	19.71	19.69			
1.4	QPSK	6	0	19.84	19.89	19.77			
1.4	16QAM	1	0	19.74	19.71	19.76			
1.4	16QAM	1	3	19.74	19.86	19.73	21.5	0	
1.4	16QAM	1	5	19.88	19.93	19.76			
1.4	16QAM	3	0	19.69	19.86	19.73			
1.4	16QAM	3	1	19.66	19.84	19.71			
1.4	16QAM	3	3	19.77	19.75	19.82	21.5	0	
1.4	16QAM	6	0	19.59	19.81	19.82			
1.4	64QAM	1	0	19.82	19.73	19.72			
1.4	64QAM	1	3	19.70	19.86	19.72			
1.4	64QAM	1	5	19.75	19.77	19.72	21.5	0	
1.4	64QAM	3	0	19.73	19.86	19.81			
1.4	64QAM	3	1	19.81	19.70	19.79			
1.4	64QAM	3	3	19.86	19.86	19.76			
1.4	64QAM	6	0	19.69	19.70	19.74	21.5	0	

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	14.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	12.50	13.05	12.91				
20	QPSK	1	48	12.81	13.01	12.68	14.5	0		
20	QPSK	1	96	12.79	12.76	12.69				
20	QPSK	50	0	12.88	12.96	12.89				
20	QPSK	50	24	12.82	12.79	12.87	14.5	0		
20	QPSK	50	50	12.96	12.95	12.83				
20	QPSK	100	0	12.84	12.89	12.75				
20	16QAM	1	0	12.84	12.80	12.72	14.5	0		
20	16QAM	1	48	12.87	12.81	12.75				
20	16QAM	1	96	12.71	12.79	12.81				
20	16QAM	50	0	12.72	12.80	12.73	14.5	0		
20	16QAM	50	24	12.70	12.78	12.85				
20	16QAM	50	50	12.77	12.69	12.82				
20	16QAM	100	0	12.87	12.88	12.74	14.5	0		
20	64QAM	1	48	12.81	12.84	12.59				
20	64QAM	1	96	12.83	12.76	12.69				
20	64QAM	50	0	12.82	12.87	12.79	14.5	0		
20	64QAM	50	24	12.64	12.88	12.78				
20	64QAM	50	50	12.81	12.81	12.77				
20	64QAM	100	0	12.68	12.84	12.71	14.5	0		
Channel				20675	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	12.85	13.00	12.89	14.5	0		
15	QPSK	1	37	12.69	12.98	12.60				
15	QPSK	1	74	12.70	12.71	12.54				
15	QPSK	36	0	12.87	12.87	12.84	14.5	0		
15	QPSK	36	20	12.77	12.75	12.78				
15	QPSK	36	39	12.78	12.81	12.76				
15	QPSK	75	0	12.80	12.80	12.62	14.5	0		
15	16QAM	1	0	12.76	12.78	12.66				
15	16QAM	1	37	12.77	12.69	12.72				
15	16QAM	1	74	12.81	12.70	12.71	14.5	0		
15	16QAM	36	0	12.85	12.79	12.64				
15	16QAM	36	20	12.58	12.67	12.82				
15	16QAM	36	39	12.84	12.58	12.79	14.5	0		
15	16QAM	75	0	12.79	12.76	12.70				
15	64QAM	1	0	12.71	12.72	12.78				
15	64QAM	1	37	12.75	12.51	12.52	14.5	0		
15	64QAM	1	74	12.81	12.84	12.80				
15	64QAM	36	0	12.80	12.83	12.72				
15	64QAM	36	20	12.50	12.82	12.72	14.5	0		
15	64QAM	36	39	12.76	12.73	12.75				
15	64QAM	75	0	12.66	12.83	12.63				
Channel				20800	21100	21400	14.5	0		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	12.84	13.03	12.85				
10	QPSK	1	25	12.68	13.00	12.68	14.5	0		
10	QPSK	1	48	12.71	12.72	12.56				
10	QPSK	25	0	12.85	12.84	12.87				
10	QPSK	25	12	12.81	12.65	12.83	14.5	0		
10	QPSK	25	25	12.82	12.73	12.76				
10	QPSK	50	0	12.76	12.83	12.73				
10	16QAM	1	0	12.79	12.65	12.57	14.5	0		
10	16QAM	1	25	12.83	12.68	12.72				
10	16QAM	1	48	12.89	12.66	12.62				
10	16QAM	25	0	12.84	12.68	12.71	14.5	0		
10	16QAM	25	12	12.89	12.71	12.82				
10	16QAM	25	25	12.64	12.54	12.69				
10	16QAM	50	0	12.76	12.83	12.70	14.5	0		
10	64QAM	1	0	12.71	12.75	12.78				
10	64QAM	1	25	12.70	12.74	12.57				
10	64QAM	1	48	12.86	12.66	12.62	14.5	0		
10	64QAM	25	0	12.73	12.86	12.65				
10	64QAM	25	12	12.57	12.75	12.69				
10	64QAM	25	25	12.80	12.67	12.67	14.5	0		
10	64QAM	50	0	12.53	12.79	12.62				
Channel				20775	21100	21425	14.5	0		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	12.87	12.92	12.86				
5	QPSK	1	12	12.69	12.98	12.58	14.5	0		
5	QPSK	1	24	12.72	12.67	12.63				
5	QPSK	12	0	12.79	12.95	12.88				
5	QPSK	12	7	12.80	12.68	12.76	14.5	0		
5	QPSK	12	13	12.74	12.84	12.79				
5	QPSK	25	0	12.80	12.88	12.70				
5	16QAM	1	0	12.70	12.67	12.68	14.5	0		
5	16QAM	1	12	12.75	12.76	12.63				
5	16QAM	1	24	12.86	12.70	12.73				
5	16QAM	12	0	12.61	12.75	12.60	14.5	0		
5	16QAM	12	7	12.69	12.70	12.79				
5	16QAM	12	13	12.75	12.61	12.72				
5	16QAM	25	0	12.74	12.86	12.61	14.5	0		
5	64QAM	1	0	12.73	12.67	12.84				
5	64QAM	1	12	12.70	12.69	12.52				
5	64QAM	1	24	12.80	12.73	12.64	14.5	0		
5	64QAM	12	0	12.76	12.83	12.69				
5	64QAM	12	7	12.52	12.78	12.66				
5	64QAM	12	13	12.79	12.80	12.62	14.5	0		
5	64QAM	25	0	12.55	12.73	12.60				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.75	23.86	23.77	24.5	0		
20	QPSK	1	48	23.69	23.77	23.70				
20	QPSK	1	96	23.72	23.85	23.71				
20	QPSK	50	0	22.73	22.79	22.76	23.5	1		
20	QPSK	50	24	22.66	22.74	22.73				
20	QPSK	50	50	22.69	22.77	22.71				
20	QPSK	100	0	22.67	22.78	22.69	23.5			
20	16QAM	1	0	22.82	22.90	22.85				
20	16QAM	1	48	22.88	22.91	22.85				
20	16QAM	1	96	22.79	23.10	23.13	22.5	2		
20	16QAM	50	0	21.59	21.79	21.72				
20	16QAM	50	24	21.66	21.75	21.69				
20	16QAM	50	50	21.74	21.75	21.71	22.5	2		
20	16QAM	100	0	21.66	21.73	21.71				
20	64QAM	1	0	21.80	22.06	22.05				
20	64QAM	1	48	21.77	21.91	21.85	21.5	3		
20	64QAM	1	96	21.80	21.93	22.13				
20	64QAM	50	0	20.61	20.76	20.76				
20	64QAM	50	24	20.68	20.82	20.71	21.5			
20	64QAM	50	50	20.71	20.80	20.70				
20	64QAM	100	0	20.78	20.78	20.72				
Channel				20855 <th>21100</th> <th>21375</th> <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5 <th>2535<th>2562.5</th></th>	2535 <th>2562.5</th>	2562.5				
15	QPSK	1	0	23.67	23.79	23.76	24.5	0		
15	QPSK	1	37	23.59	23.65	23.69				
15	QPSK	1	74	23.64	23.70	23.67				
15	QPSK	36	0	22.67	22.70	22.67	23.5	1		
15	QPSK	36	20	22.65	22.66	22.71				
15	QPSK	36	39	22.66	22.69	22.70				
15	QPSK	75	0	22.58	22.75	22.60	23.5	1		
15	16QAM	1	0	22.67	22.69	22.68				
15	16QAM	1	37	22.83	22.80	22.76				
15	16QAM	1	74	22.70	23.03	23.11	22.5	2		
15	16QAM	36	0	21.50	21.71	21.60				
15	16QAM	36	20	21.61	21.63	21.64				
15	16QAM	36	39	21.62	21.68	21.58	22.5	2		
15	16QAM	75	0	21.60	21.71	21.59				
15	64QAM	1	0	21.69	22.05	22.01				
15	64QAM	1	37	21.67	21.69	21.73	22.5	2		
15	64QAM	1	74	21.67	21.78	22.06				
15	64QAM	36	0	20.57	20.69	20.67				
15	64QAM	36	20	20.58	20.81	20.56	21.5	3		
15	64QAM	36	39	20.56	20.77	20.69				
15	64QAM	75	0	20.51	20.74	20.62				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2535	2565				
10	QPSK	1	0	23.65	23.79	23.72	24.5	0		
10	QPSK	1	25	23.68	23.76	23.63				
10	QPSK	1	49	23.64	23.70	23.70				
10	QPSK	25	0	22.62	22.66	22.72	23.5	1		
10	QPSK	25	12	22.57	22.67	22.64				
10	QPSK	25	25	22.64	22.63	22.69				
10	QPSK	50	0	22.54	22.73	22.64	23.5	1		
10	16QAM	1	0	22.75	22.88	22.78				
10	16QAM	1	25	22.80	22.88	22.87				
10	16QAM	1	49	22.75	22.98	23.05	22.5	2		
10	16QAM	25	0	21.52	21.73	21.65				
10	16QAM	25	12	21.56	21.64	21.57				
10	16QAM	25	25	21.62	21.67	21.68	22.5	2		
10	16QAM	50	0	21.51	21.67	21.70				
10	64QAM	1	0	21.72	21.98	21.90				
10	64QAM	1	25	21.67	21.81	21.84	22.5	2		
10	64QAM	1	49	21.67	21.74	21.74				
10	64QAM	25	0	20.47	20.74	20.74				
10	64QAM	25	12	20.65	20.73	20.69	21.5	3		
10	64QAM	25	25	20.60	20.72	20.62				
10	64QAM	50	0	20.62	20.72	20.65				
Channel				20775 <th>21100<th>21425</th><th rowspan="2">Tune-up limit (dBm)</th><th rowspan="2">MPR (dB)</th></th>	21100 <th>21425</th> <th rowspan="2">Tune-up limit (dBm)</th> <th rowspan="2">MPR (dB)</th>	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5 <th>2535<th>2567.5</th></th>	2535 <th>2567.5</th>	2567.5				
5	QPSK	1	0	23.60	23.85	23.65	24.5	0		
5	QPSK	1	12	23.57	23.74	23.82				
5	QPSK	1	24	23.66	23.84	23.68				
5	QPSK	12	0	22.62	22.68	22.67	23.5	1		
5	QPSK	12	7	22.62	22.69	22.73				
5	QPSK	12	13	22.63	22.66	22.65				
5	QPSK	25	0	22.56	22.65	22.59	23.5	1		
5	16QAM	1	0	22.73	22.81	22.89				
5	16QAM	1	12	22.75	22.84	22.72				
5	16QAM	1	24	22.74	22.99	22.69	22.5	2		
5	16QAM	12	0	21.55	21.65	21.67				
5	16QAM	12	7	21.57	21.64	21.58				
5	16QAM	12	13	21.61	21.67	21.65	22.5	2		
5	16QAM	25	0	21.52	21.62	21.60				
5	64QAM	1	0	21.70	22.04	21.98				
5	64QAM	1	12	21.64	21.82	21.77	22.5	2		
5	64QAM	1	24	21.70	21.88	22.01				
5	64QAM	12	0	20.59	20.64	20.62				
5	64QAM	12	7	20.57	20.68	20.67	21.5	3		
5	64QAM	12	13	20.58	20.76	20.73				
5	64QAM	25	0	20.62	20.73	20.69				

Band 12_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	23.43	23.50	23.45	24.5	0			
10	QPSK	1	25	23.22	23.39	23.29					
10	QPSK	1	49	23.41	23.47	23.32					
10	QPSK	25	0	22.28	22.30	22.25					
10	QPSK	25	12	22.21	22.20	22.22	23.5	1			
10	QPSK	25	25	22.24	22.28	22.22					
10	QPSK	50	0	22.23	22.27	22.24					
10	16QAM	1	0	22.52	22.37	22.60					
10	16QAM	1	25	22.42	22.32	22.35	23.5	1			
10	16QAM	1	49	22.66	22.55	22.61					
10	16QAM	25	0	21.24	21.18	21.20					
10	16QAM	25	12	21.14	21.26	21.18					
10	16QAM	25	25	21.18	21.36	21.25	22.5	2			
10	16QAM	50	0	21.17	21.24	21.23					
10	64QAM	1	0	21.25	21.36	21.22					
10	64QAM	1	25	21.53	21.35	21.40					
10	64QAM	1	49	21.50	21.39	21.35	21.5	3			
10	64QAM	25	0	20.19	20.28	20.21					
10	64QAM	25	12	20.25	20.21	20.31					
10	64QAM	25	25	20.27	20.37	20.23					
10	64QAM	50	0	20.29	20.25	20.23					
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	23.38	23.37	23.38	24.5	0			
5	QPSK	1	12	23.08	23.28	23.15					
5	QPSK	1	24	23.31	23.38	23.19					
5	QPSK	12	0	22.26	22.28	22.21					
5	QPSK	12	7	22.07	22.19	22.07	23.5	1			
5	QPSK	12	13	22.12	22.23	22.16					
5	QPSK	25	0	22.17	22.24	22.16					
5	16QAM	1	0	22.37	22.28	22.66					
5	16QAM	1	12	22.37	22.17	22.33	23.5	1			
5	16QAM	1	24	22.59	22.45	22.69					
5	16QAM	12	0	21.14	21.04	21.11					
5	16QAM	12	7	21.02	21.14	21.14					
5	16QAM	12	13	21.09	21.25	21.13	22.5	2			
5	16QAM	25	0	21.06	21.19	21.18					
5	64QAM	1	0	21.13	21.29	21.08					
5	64QAM	1	12	21.38	21.31	21.25					
5	64QAM	1	24	21.47	21.29	21.34	21.5	3			
5	64QAM	12	0	20.11	20.23	20.19					
5	64QAM	12	7	20.19	20.13	20.27					
5	64QAM	12	13	20.20	20.26	20.16					
5	64QAM	25	0	20.20	20.22	20.08					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	23.40	23.49	23.35	24.5	0			
3	QPSK	1	8	23.16	23.31	23.21					
3	QPSK	1	14	23.36	23.45	23.21					
3	QPSK	8	0	22.19	22.25	22.19					
3	QPSK	8	7	22.14	22.22	22.16	23.5	1			
3	QPSK	15	0	22.09	22.19	22.20					
3	16QAM	1	0	22.51	22.30	22.59					
3	16QAM	1	8	22.35	22.25	22.28					
3	16QAM	1	14	22.53	22.46	22.54	23.5	1			
3	16QAM	8	0	21.14	21.09	21.06					
3	16QAM	8	4	21.09	21.14	21.16					
3	16QAM	8	7	21.03	21.30	21.11					
3	16QAM	15	0	21.12	21.14	21.22	22.5	2			
3	64QAM	1	0	21.21	21.35	21.09					
3	64QAM	1	8	21.46	21.22	21.39					
3	64QAM	1	14	21.36	21.34	21.29					
3	64QAM	8	0	20.11	20.18	20.17	21.5	3			
3	64QAM	8	4	20.16	20.10	20.27					
3	64QAM	8	7	20.19	20.35	20.20					
3	64QAM	15	0	20.16	20.17	20.22					
Channel				23017	23095	23173	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3					
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0			
1.4	QPSK	1	3	23.16	23.26	23.17					
1.4	QPSK	1	5	23.38	23.40	23.21					
1.4	QPSK	3	0	23.39	23.42	23.42					
1.4	QPSK	3	1	23.20	23.28	23.17	23.5	1			
1.4	QPSK	3	3	23.36	23.40	23.09					
1.4	QPSK	6	0	22.20	22.18	22.20					
1.4	16QAM	1	0	22.45	22.28	22.55					
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1			
1.4	16QAM	1	5	22.58	22.51	22.46					
1.4	16QAM	3	0	22.48	22.25	22.48					
1.4	16QAM	3	1	22.33	22.28	22.26					
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2			
1.4	64QAM	1	0	21.19	21.27	21.19					
1.4	64QAM	1	3	21.42	21.21	21.29					
1.4	64QAM	1	5	21.43	21.30	21.25					
1.4	64QAM	3	0	21.13	21.32	21.14	22.5	2			
1.4	64QAM	3	1	21.38	21.20	21.27					
1.4	64QAM	3	3	21.36	21.35	21.24					
1.4	64QAM	6	0	20.22	20.22	20.19				21.5	3

Band 12_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69	24.5	0		
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99				
10	16QAM	1	25	22.94	22.69	22.70	23.5	1		
10	16QAM	1	49	22.99	22.76	22.84				
10	16QAM	25	0	21.52	21.64	21.46				
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44	22.5	2		
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.80	21.77				
10	64QAM	1	49	21.71	21.69	21.84	21.5	3		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49				
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.55	23.70	23.57	24.5	0		
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37	23.5	1		
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.67	22.57	22.90				
5	16QAM	1	12	22.67	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.30				
5	16QAM	12	13	21.44	21.43	21.29	22.5	2		
5	16QAM	25	0	21.54	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.74	21.74				
5	64QAM	1	24	21.66	21.65	21.71	21.5	3		
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.58	23.63	23.68	24.5	0		
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45	23.5	1		
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.98				
3	16QAM	1	8	22.91	22.65	22.86	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	22.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41	22.5	2		
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.61	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83	21.5	3		
3	64QAM	8	0	20.51	20.50	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0		
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.53	23.48	23.5	1		
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	16QAM	1	0	22.93	22.47	22.43				
1.4	16QAM	1	3	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.81	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.22				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.91	22.52	22.85				
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2		
1.4	64QAM	1	0	21.52	21.51	21.37				
1.4	64QAM	1	3	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82				
1.4	64QAM	3	0	21.70	21.63	21.79	21.5	3		
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.54	21.54	21.73				
1.4	64QAM	6	0	20.92	20.65	21.64				

Band 66_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				1720	1745	1770								
20	QPSK	1	0	18.68	18.92	18.94	20	0						
20	QPSK	1	48	18.71	18.79	18.87								
20	QPSK	1	96	18.68	18.87	18.78								
20	QPSK	50	0	18.77	18.83	18.75								
20	QPSK	50	24	18.67	18.75	18.60	20	0						
20	QPSK	50	50	18.52	18.73	18.71								
20	QPSK	100	0	18.67	18.77	18.72								
20	16QAM	1	0	18.70	18.77	18.67								
20	16QAM	1	48	18.86	18.84	18.83	20	0						
20	16QAM	1	96	18.86	18.66	18.87								
20	16QAM	50	0	18.66	18.77	18.60								
20	16QAM	50	24	18.60	18.82	18.83								
20	16QAM	50	50	18.62	18.79	18.68	20	0						
20	16QAM	100	0	18.76	18.74	18.76								
20	64QAM	1	0	18.68	18.75	18.64								
20	64QAM	1	48	18.73	18.74	18.70								
20	64QAM	1	96	18.71	18.78	18.68	20	0						
20	64QAM	50	0	18.67	18.72	18.76								
20	64QAM	50	24	18.71	18.70	18.84								
20	64QAM	50	50	18.65	18.69	18.79								
20	64QAM	100	0	18.64	18.72	18.85	20	0						
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.77	1745	1770	20	0						
15	QPSK	1	37	18.57	18.74	18.59								
15	QPSK	1	74	18.66	18.74	18.70								
15	QPSK	36	0	18.65	18.82	18.69								
15	QPSK	36	20	18.52	18.69	18.59	20	0						
15	QPSK	36	39	18.43	18.64	18.59								
15	QPSK	75	0	18.65	18.64	18.64								
15	16QAM	1	0	18.60	18.66	18.62								
15	16QAM	1	37	18.67	18.75	18.53	20	0						
15	16QAM	1	74	18.52	18.54	18.72								
15	16QAM	36	0	18.64	18.75	18.59								
15	16QAM	36	20	18.50	18.72	18.80								
15	16QAM	36	39	18.68	18.64	18.62	20	0						
15	16QAM	75	0	18.71	18.61	18.70								
15	64QAM	1	0	18.57	18.60	18.57								
15	64QAM	1	37	18.70	18.60	18.58								
15	64QAM	1	74	18.62	18.77	18.62	20	0						
15	64QAM	36	0	18.55	18.67	18.65								
15	64QAM	36	20	18.61	18.63	18.80								
15	64QAM	36	39	18.64	18.64	18.76								
15	64QAM	75	0	18.58	18.60	18.79	20	0						
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.78	18.82	18.83	20	0						
10	QPSK	1	25	18.62	18.73	18.68								
10	QPSK	1	48	18.67	18.79	18.64								
10	QPSK	25	0	18.64	18.75	18.68								
10	QPSK	25	12	18.58	18.62	18.57	20	0						
10	QPSK	25	25	18.49	18.61	18.63								
10	QPSK	50	0	18.58	18.69	18.62								
10	16QAM	1	0	18.61	18.75	18.54								
10	16QAM	1	25	18.68	18.83	18.62	20	0						
10	16QAM	1	48	18.62	18.65	18.80								
10	16QAM	25	0	18.52	18.62	18.47								
10	16QAM	25	12	18.48	18.71	18.77								
10	16QAM	25	25	18.74	18.77	18.61	20	0						
10	16QAM	50	0	18.74	18.64	18.62								
10	64QAM	1	0	18.64	18.67	18.59								
10	64QAM	1	25	18.69	18.61	18.59								
10	64QAM	1	48	18.64	18.64	18.53	20	0						
10	64QAM	25	0	18.63	18.71	18.61								
10	64QAM	25	12	18.63	18.63	18.75								
10	64QAM	25	25	18.59	18.56	18.66								
10	64QAM	50	0	18.56	18.57	18.61	20	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.79	18.91	18.73	20	0						
5	QPSK	1	12	18.62	18.76	18.52								
5	QPSK	1	24	18.63	18.86	18.63								
5	QPSK	12	0	18.62	18.72	18.72								
5	QPSK	12	7	18.64	18.68	18.50	20	0						
5	QPSK	12	13	18.49	18.65	18.60								
5	QPSK	25	0	18.62	18.67	18.68								
5	16QAM	1	0	18.59	18.66	18.60								
5	16QAM	1	12	18.66	18.77	18.49	20	0						
5	16QAM	1	24	18.54	18.59	18.74								
5	16QAM	12	0	18.54	18.63	18.49								
5	16QAM	12	7	18.45	18.79	18.72								
5	16QAM	12	13	18.77	18.65	18.57	20	0						
5	16QAM	25	0	18.69	18.72	18.75								
5	64QAM	1	0	18.58	18.67	18.57								
5	64QAM	1	12	18.69	18.61	18.68								
5	64QAM	1	24	18.69	18.77	18.63	20	0						
5	64QAM	12	0	18.54	18.64	18.70								
5	64QAM	12	7	18.67	18.58	18.82								
5	64QAM	12	13	18.58	18.64	18.69								
5	64QAM	25	0	18.55	18.61	18.72	20	0						
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.74	18.81	18.74	20	0						
3	QPSK	1	8	18.62	18.76	18.52								
3	QPSK	1	14	18.61	18.86	18.75								
3	QPSK	8	0	18.64	18.76	18.45								
3	QPSK	8	4	18.52	18.63	18.51	20	0						
3	QPSK	8	7	18.48	18.58	18.69								
3	QPSK	15	0	18.60	18.76	18.67								
3	16QAM	1	0	18.56	18.64	18.55								
3	16QAM	1	8	18.58	18.71	18.62	20	0						
3	16QAM	1	14	18.58	18.63	18.66								
3	16QAM	8	0	18.57	18.63	18.49								
3	16QAM	8	4	18.47	18.78	18.77								
3	16QAM	8	7	18.70	18.78	18.67	20	0						
3	16QAM	15	0	18.68	18.68	18.61								
3	64QAM	1	0	18.63	18.74	18.63								
3	64QAM	1	8	18.60	18.68	18.63								
3	64QAM	1	14	18.69	18.74	18.53	20	0						
3	64QAM	8	0	18.63	18.68	18.69								
3	64QAM	8	4	18.58	18.55	18.70	20	0						
3	64QAM	8	7	18.58	18.60	18.75								
3	64QAM	15	0	18.54	18.63	18.76								
3	64QAM	15	0	18.54	18.63	18.76								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.77	18.83	18.77	20	0						
1.4	QPSK	1	3	18.60	18.71	18.60								
1.4	QPSK	1	5	18.67	18.85	18.76								
1.4	QPSK	3	0	18.68	18.69	18.69								
1.4	QPSK	3	1	18.64	18.63	18.59	20	0						
1.4	QPSK	3	3	18.41	18.60	18.65								
1.4	QPSK	6	0	18.60	18.68	18.59								
1.4	16QAM	1	0	18.63	18.71	18.56								
1.4	16QAM	1	3	18.61	18.75	18.60	20	0						
1.4	16QAM	1	5	18.63	18.57	18.83								
1.4	16QAM	3	0	18.56	18.72	18.67								
1.4	16QAM	3	1	18.55	18.64	18.61								
1.4	16QAM	3	3	18.68	18.67	18.57	20	0						
1.4	16QAM	6	0	18.73	18.68	18.65								
1.4	64QAM	1	0	18.53	18.60	18.58								
1.4	64QAM	1	3	18.68	18.73	18.69								
1.4	64QAM	1	5	18.67	18.77	18.67	20	0						
1.4	64QAM	3	0	18.60	18.63	18.72								
1.4	64QAM	3	1	18.61	18.64	18.63								
1.4	64QAM	3	3	18.63	18.67	18.76								
1.4	64QAM	6	0	18.63	18.65	18.72	20	0						

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24.5	0	
Frequency (MHz)				673	660.5	665			
20	QPSK	1	0	23.38	23.41	23.34			
20	QPSK	1	49	23.21	23.24	23.20	23.5	1	
20	QPSK	1	99	23.16	23.22	23.20			
20	QPSK	50	0	22.35	22.39	22.39			
20	QPSK	50	24	22.29	22.29	22.25	23.5	1	
20	QPSK	50	50	22.33	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.26			
20	16QAM	1	0	22.53	22.52	22.53	23.5	1	
20	16QAM	1	49	22.46	22.44	22.46			
20	16QAM	1	99	22.49	22.54	22.56			
20	16QAM	50	0	21.35	21.21	21.23	22.5	2	
20	16QAM	50	24	21.27	21.26	21.27			
20	16QAM	50	50	21.34	21.29	21.25			
20	16QAM	100	0	21.35	21.22	21.25	22.5	2	
20	64QAM	1	0	21.42	21.44	21.46			
20	64QAM	1	49	21.34	21.45	21.35			
20	64QAM	1	99	21.40	21.49	21.51	21.5	3	
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.28	20.31	20.29			
20	64QAM	50	50	20.35	20.31	20.27	21.5	3	
20	64QAM	100	0	20.36	20.26	20.24			
Channel				133197	133297	133397	24.5	0	
Frequency (MHz)				670.5	660.5	660.5			
15	QPSK	1	0	23.30	23.31	23.06			
15	QPSK	1	37	23.12	23.06	23.10	23.5	1	
15	QPSK	1	74	23.11	22.99	23.13			
15	QPSK	36	0	22.26	22.14	22.04			
15	QPSK	36	20	22.07	22.04	22.06	23.5	1	
15	QPSK	36	39	22.20	22.05	22.15			
15	QPSK	75	0	22.22	22.16	22.09			
15	16QAM	1	0	22.36	22.46	22.44	23.5	1	
15	16QAM	1	37	22.36	22.20	22.24			
15	16QAM	1	74	22.39	22.34	22.46			
15	16QAM	36	0	21.12	20.97	21.14	22.5	2	
15	16QAM	36	20	21.06	21.21	21.21			
15	16QAM	36	39	21.09	21.16	21.04			
15	16QAM	75	0	21.29	21.09	21.05	22.5	2	
15	64QAM	1	0	21.22	21.27	21.22			
15	64QAM	1	37	21.19	21.36	21.24			
15	64QAM	1	74	21.30	21.28	21.44	21.5	3	
15	64QAM	36	0	20.15	20.16	20.00			
15	64QAM	36	20	20.17	20.25	20.24			
15	64QAM	36	39	20.24	20.25	20.10	21.5	3	
15	64QAM	75	0	20.27	20.14	20.08			
Channel				133172	133297	133422	24.5	0	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	0	23.28	23.16	23.17			
10	QPSK	1	25	23.03	23.18	23.07	23.5	1	
10	QPSK	1	49	22.96	23.00	23.08			
10	QPSK	25	0	22.30	22.15	22.16			
10	QPSK	25	12	22.21	22.07	22.06	23.5	1	
10	QPSK	25	25	22.18	21.98	21.99			
10	QPSK	50	0	22.25	22.19	22.02			
10	16QAM	1	0	22.37	22.43	22.41	23.5	1	
10	16QAM	1	25	22.36	22.31	22.28			
10	16QAM	1	49	22.39	22.31	22.46			
10	16QAM	25	0	21.16	21.05	21.05	22.5	2	
10	16QAM	25	12	21.14	21.20	21.19			
10	16QAM	25	25	21.13	21.22	21.10			
10	16QAM	50	0	21.29	21.03	21.06	22.5	2	
10	64QAM	1	0	21.35	21.32	21.34			
10	64QAM	1	25	21.19	21.38	21.12			
10	64QAM	1	49	21.33	21.26	21.43	21.5	3	
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21			
10	64QAM	25	25	20.24	20.19	20.08	21.5	3	
10	64QAM	50	0	20.21	20.18	20.06			
Channel				133147	133297	133447	24.5	0	
Frequency (MHz)				665.5	660.5	665.5			
5	QPSK	1	0	23.27	23.35	23.10			
5	QPSK	1	12	23.04	23.09	23.00	23.5	1	
5	QPSK	1	24	23.02	23.09	23.02			
5	QPSK	12	0	22.22	22.30	22.09			
5	QPSK	12	7	22.21	22.20	22.09	23.5	1	
5	QPSK	12	13	22.12	22.11	22.10			
5	QPSK	25	0	22.26	22.12	22.07			
5	16QAM	1	0	22.34	22.33	22.36	23.5	1	
5	16QAM	1	12	22.30	22.36	22.43			
5	16QAM	1	24	22.29	22.36	22.42			
5	16QAM	12	0	21.29	20.96	21.18	22.5	2	
5	16QAM	12	7	21.07	21.18	21.18			
5	16QAM	12	13	21.26	21.16	21.01			
5	16QAM	25	0	21.15	21.05	21.09	22.5	2	
5	64QAM	1	0	21.24	21.20	21.33			
5	64QAM	1	12	21.20	21.30	21.17			
5	64QAM	1	24	21.21	21.29	21.36	21.5	3	
5	64QAM	12	0	20.10	20.17	20.13			
5	64QAM	12	7	20.15	20.18	20.10			
5	64QAM	12	13	20.20	20.06	20.22	21.5	3	
5	64QAM	25	0	20.19	20.18	20.06			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24.5	0	
Frequency (MHz)				673	660.5	665			
20	QPSK	1	0	23.62	23.69	23.55			
20	QPSK	1	49	23.49	23.50	23.53	23.5	1	
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57			
20	QPSK	50	24	22.64	22.83	22.53	23.5	1	
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53			
20	16QAM	1	0	22.85	22.92	22.82	23.5	1	
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69			
20	16QAM	50	0	21.75	21.62	21.52	22.5	2	
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54			
20	16QAM	100	0	21.65	21.57	21.52	22.5	2	
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.67	21.71	21.66			
20	64QAM	1	99	21.63	21.72	21.62	21.5	3	
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61			
20	64QAM	50	50	20.69	20.64	20.58	21.5	3	
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133422	24.5	0	
Frequency (MHz)				670.5	660.5	665.5			
15	QPSK	1	0	23.51	23.45	23.48			
15	QPSK	1	37	23.36	23.33	23.48	23.5	0	
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52			
15	QPSK	36	20	22.48	22.45	22.30	23.5	1	
15	QPSK	36	39	22.44	22.54	22.42			
15	QPSK	75	0	22.43	22.89	22.41			
15	16QAM	1	0	22.64	22.69	22.79	23.5	1	
15	16QAM	1	37	22.59	22.69	22.56			
15	16QAM	1	74	22.50	22.56	22.46			
15	16QAM	36	0	21.57	21.49	21.35	22.5	2	
15	16QAM	36	20	21.46	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41			
15	16QAM	75	0	21.46	21.42	21.30	22.5	2	
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.48	21.53	21.55			
15	64QAM	1	74	21.54	21.63	21.51	21.5	3	
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50			
15	64QAM	36	39	20.53	20.43	20.39	21.5	3	
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422	24.5	0	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	0	23.56	23.47	23.48			
10	QPSK	1	25	23.27	23.32	23.42	24.5	0	
10	QPSK	1	49	23.48	23.51	23.27			
10	QPSK	20	0	22.51	22.63	22.40			
10	QPSK	20	12	22.48	22.41	22.46	23.5	1	
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44			
10	16QAM	1	0	22.79	22.69	22.57	23.5	1	
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.78	22.74	22.46			
10	16QAM	20	0	21.52	21.50	21.38	22.5	2	
10	16QAM	20	12	21.43	21.36	21.30			
10	16QAM	25	25	21.53	21.54	21.40			
10	16QAM	50	0	21.59	21.49	21.32	22.5	2	
10	64QAM	1	0	21.56	21.58	21.62			
10	64QAM	1	25	21.73	21.64	21.50			
10	64QAM	1	49	21.49	21.51	21.55	21.5	3	
10	64QAM	20	0	20.54	20.54	20.35			
10	64QAM	20	12	20.41	20.42	20.50			
10	64QAM	25	25	20.50	20.50	20.44	21.5	3	
10	64QAM	50	0	20.54	20.46	20.49			
Channel				133147	133297	133447	24.5	0	
Frequency (MHz)				665.5	660.5	665.5			
5	QPSK	1	0	23.50	23.56	23.34			
5	QPSK	1	12	23.43	23.45	23.48	24.5	0	
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.48	22.51	22.56			
5	QPSK	12	7	22.44	22.47	22.44	23.5	1	
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29			
5	16QAM	1	0	22.76	22.76	22.60	23.5	1	
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47			
5	16QAM	12	0	21.50	21.48	21.45	22.5	2	
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43			
5	16QAM	25	0	21.49	21.48	21.39	22.5	2	
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52			
5	64QAM	1	24	21.51	21.55	21.46	21.5	3	
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.66	20.50	20.37			
5	64QAM	12	13	20.65	20.56	20.36	21.5	3	
5	64QAM	25	0	20.57	20.55	20.47			

Band 41_Ant 1													
BW (MHz)	Modulation	RS Low	RS Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Power High-High Ch / Freq	Turn-on time (s)	APRS (dB)		
Channel													
Frequency (MHz)				36750	40165	40600	41005	41400					
				2500	2649	2693	2842	2887					
20	QPSK	1	5	15.69	15.33	15.23	15.88	16.12					
20	QPSK	1	49	15.73	15.79	16.10	15.84	15.99			17.5	0	
20	QPSK	1	99	15.89	15.70	16.22	15.82	16.05					
20	QPSK	50	5	15.82	15.77	16.21	15.88	16.00					
20	QPSK	50	24	15.73	15.89	16.15	15.88	16.07			17.5	0	
20	QPSK	50	36	15.91	15.72	16.08	15.86	16.02					
20	QPSK	100	5	15.87	15.77	16.18	15.86	15.99					
20	QPSK	100	1	15.82	15.75	16.14	15.92	16.13					
20	QPSK	1	49	15.85	15.81	16.16	15.82	16.03			17.5	0	
20	QPSK	1	99	15.80	15.75	16.16	15.97	16.13					
20	QPSK	50	24	15.82	15.74	16.09	15.84	16.00					
20	QPSK	50	36	15.71	15.84	16.07	15.90	15.97			17.5	0	
20	QPSK	100	5	15.86	15.77	16.13	15.90	16.16					
20	QPSK	100	1	15.80	15.76	16.11	15.97	16.05					
20	QPSK	1	49	15.78	15.77	16.20	15.90	15.95			17.5	0	
20	QPSK	1	99	15.81	15.74	16.18	15.85	16.03					
20	QPSK	50	5	15.81	15.84	16.16	15.92	16.08					
20	QPSK	50	24	15.94	15.79	16.07	15.92	16.05			17.5	0	
20	QPSK	50	36	15.80	15.86	16.21	15.89	16.09					
20	QPSK	100	5	15.80	15.89	16.05	15.92	15.97					
Channel				36725	40173	40600	41068	41515			Turn-on time (s)	APRS (dB)	
Frequency (MHz)				29015	29413	29930	30373	30825					
				2501.5	26413	26930	28373.5	28825.5					
15	QPSK	1	5	15.89	15.76	16.15	15.87	16.09					
15	QPSK	1	37	15.83	15.74	15.98	15.83	15.95					
15	QPSK	1	74	15.87	15.82	16.20	15.79	15.98					
15	QPSK	36	5	15.89	15.72	16.03	15.84	15.96					
15	QPSK	36	20	15.89	15.84	16.08	15.79	16.03					
15	QPSK	36	30	15.87	15.86	16.01	15.81	15.92					
15	QPSK	75	5	15.79	15.73	16.09	15.85	16.01					
15	QPSK	75	1	15.79	15.81	16.05	15.91	16.07					
15	QPSK	1	37	15.70	15.59	16.03	15.77	15.84			17.5	0	
15	QPSK	1	74	15.81	15.76	16.02	15.79	15.86					
15	QPSK	36	5	15.76	15.70	16.10	15.82	15.90					
15	QPSK	36	20	15.76	15.80	16.06	15.88	15.92					
15	QPSK	36	30	15.81	15.83	16.07	15.89	15.93					
15	QPSK	75	5	15.87	15.89	16.02	15.83	15.89					
15	QPSK	75	1	15.81	15.89	15.97	15.89	15.96					
15	QPSK	1	37	15.70	15.73	16.05	15.80	15.88					
15	QPSK	1	74	15.73	15.72	16.12	15.81	15.91					
15	QPSK	36	5	15.70	15.81	16.11	15.79	15.84					
15	QPSK	36	20	15.81	15.88	16.04	15.82	16.02					
15	QPSK	36	30	15.74	15.73	16.20	15.74	16.08					
15	QPSK	75	5	15.78	15.87	16.01	15.84	15.94					
Channel				36705	40163.5	40600	41065.5	41515			Turn-on time (s)	APRS (dB)	
Frequency (MHz)				2501	2547.05	2593	2639.05	2685					
				2501	2547.05	2593	2639.05	2685					
10	QPSK	1	5	15.86	15.78	16.16	15.87	16.06					
10	QPSK	1	25	15.72	15.75	15.98	15.80	15.92					
10	QPSK	1	49	15.83	15.86	16.08	15.75	15.95					
10	QPSK	25	5	15.85	15.99	16.17	15.87	16.05					
10	QPSK	25	12	15.89	15.86	16.04	15.84	15.96					
10	QPSK	25	24	15.87	15.84	16.06	15.85	15.98					
10	QPSK	50	5	15.77	15.84	16.17	15.81	15.91					
10	QPSK	50	12	15.89	15.86	16.04	15.84	15.96					
10	QPSK	1	25	15.79	15.57	16.02	15.77	15.95					
10	QPSK	1	49	15.88	15.86	16.10	15.86	16.10					
10	QPSK	25	5	15.80	15.88	16.04	15.82	15.96					
10	QPSK	25	12	15.86	15.87	16.06	15.82	16.03					
10	QPSK	50	5	15.86	15.86	16.10	15.86	16.10					
10	QPSK	50	1	15.80	15.88	16.04	15.82	15.96					
10	QPSK	1	25	15.86	15.73	16.08	15.88	15.73					
10	QPSK	1	49	15.87	15.76	16.15	15.76	15.91					
10	QPSK	25	5	15.77	15.82	16.12	15.88	16.07					
10	QPSK	25	12	15.80	15.77	16.01	15.87	16.00					
10	QPSK	25	24	15.71	15.77	16.07	15.76	15.84					
10	QPSK	50	5	15.77	15.86	15.93	15.88	15.94					
Channel				36915	40168	40600	41093	41585			Turn-on time (s)	APRS (dB)	
Frequency (MHz)				2498.5	2645	26930	28463.5	28975					
				2498.5	2645	26930	28463.5	28975					
5	QPSK	1	5	15.86	15.76	16.16	15.82	16.03					
5	QPSK	1	12	15.70	15.75	15.98	15.80	15.92					
5	QPSK	1	24	15.87	15.86	16.16	15.72	16.01					
5	QPSK	1	5	15.79	15.85	16.18	15.82	16.08					
5	QPSK	12	7	15.89	15.81	16.06	15.79	15.93					
5	QPSK	12	19	15.80	15.86	16.07	15.86	15.97					
5	QPSK	25	5	15.72	15.74	16.16	15.87	15.97					
5	QPSK	25	1	15.77	15.70	16.10	15.87	16.03					
5	QPSK	1	12	15.71	15.86	15.99	15.86	16.05					
5	QPSK	1	24	15.79	15.54	16.06	15.89	15.94					
5	QPSK	12	5	15.84	15.83	16.07	15.87	16.10					
5	QPSK	12	7	15.74	15.84	16.01	15.86	15.96					
5	QPSK	12	13	15.87	15.59	15.92	15.85	15.95					
5	QPSK	25	5	15.74	15.76	16.00	15.87	16.11					
5	QPSK	1	5	15.87	15.76	16.06	15.84	15.96					
5	QPSK	1	12	15.71	15.72	16.11	15.75	15.89					
5	QPSK	1	24	15.79	15.69	16.09	15.75	15.89					
5	QPSK	12											
5	QPSK	12	19	15.85	15.86	15.94	15.90	15.97					
5	QPSK	12	19	15.85	15.77	16.13	15.78	16.05					

Part 96_Band 48_Ant 1											Part 96_Band 48_Ant 3											Part 96_Band 48_Ant 5											Part 96_Band 48_Ant 7										
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	APRS (dB)
Channel											Channel											Channel											Channel										
Frequency (MHz)											Frequency (MHz)											Frequency (MHz)											Frequency (MHz)										
20	QPSK	1	0	17.68	17.75	17.75	17.75	17.75	18.5	0	20	QPSK	1	0	14.39	14.34	14.40	14.40	14.40	15.5	0	20	QPSK	1	0	18.42	18.48	18.50	18.50	18.50	19.5	0	20	QPSK	1	0	18.27	18.18	18.11	18.18	18.18	19.5	0
20	QPSK	1	40	17.77	17.81	17.81	17.87	17.87	18.5	0	20	QPSK	1	40	14.83	14.78	14.71	14.87	14.87	15.5	0	20	QPSK	1	40	18.70	18.87	18.87	18.89	18.89	19.5	0	20	QPSK	1	40	18.13	18.08	18.04	18.09	18.09	19.5	0
20	QPSK	1	80	17.85	17.91	17.91	17.95	17.95	18.5	0	20	QPSK	1	80	14.82	14.87	14.82	14.93	14.93	15.5	0	20	QPSK	1	80	18.80	18.90	18.90	18.94	18.94	19.5	0	20	QPSK	1	80	18.20	18.10	18.07	18.10	18.10	19.5	0
20	QPSK	50	0	17.68	17.68	17.75	17.75	17.75	18.5	0	20	QPSK	50	0	14.39	14.34	14.40	14.40	14.40	15.5	0	20	QPSK	50	0	18.42	18.48	18.50	18.50	18.50	19.5	0	20	QPSK	50	0	18.27	18.18	18.11	18.18	18.18	19.5	0
20	QPSK	50	24	17.82	17.72	17.81	17.80	17.80	18.5	0	20	QPSK	50	24	14.78	14.68	14.80	14.80	14.80	15.5	0	20	QPSK	50	24	18.70	18.87	18.87	18.89	18.89	19.5	0	20	QPSK	50	24	18.11	18.11	18.11	18.08	18.08	19.5	0
20	QPSK	50	50	17.75	17.72	17.75	17.75	17.75	18.5	0	20	QPSK	50	50	14.85	14.80	14.88	14.87	14.87	15.5	0	20	QPSK	50	50	18.70	18.80	18.80	18.83	18.83	19.5	0	20	QPSK	50	50	18.20	18.10	18.07	18.10	18.10	19.5	0
20	QPSK	100	0	17.78	17.76	17.80	17.80	17.80	18.5	0	20	QPSK	100	0	14.30	14.47	14.42	14.71	14.71	15.5	0	20	QPSK	100	0	18.70	18.86	18.86	18.92	18.92	19.5	0	20	QPSK	100	0	18.20	18.09	18.05	18.08	18.08	19.5	0
20	QPSK	1	0	17.74	17.82	17.80	17.80	17.80	18.5	0	20	QPSK	1	0	14.74	14.72	14.70	14.70	14.70	15.5	0	20	QPSK	1	0	18.67	18.65	18.65	18.66	18.66	19.5	0	20	QPSK	1	0	18.18	18.14	18.04	18.07	18.07	19.5	0
20	QPSK	1	40	17.78	17.80	17.80	17.80	17.80	18.5	0	20	QPSK	1	40	14.82	14.81	14.79	14.79	14.79	15.5	0	20	QPSK	1	40	18.60	18.59	18.59	18.61	18.61	19.5	0	20	QPSK	1	40	18.10	18.09	18.08	18.09	18.09	19.5	0
20	QPSK	1	80	17.84	17.72	17.74	17.74	17.74	18.5	0	20	QPSK	1	80	14.96	14.75	14.82	14.80	14.80	15.5	0	20	QPSK	1	80	18.69	18.59	18.59	18.66	18.66	19.5	0	20	QPSK	1	80	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	0	17.78	17.75	17.81	17.80	17.80	18.5	0	20	QPSK	50	0	14.76	14.65	14.72	14.60	14.60	15.5	0	20	QPSK	50	0	18.74	18.58	18.58	18.60	18.60	19.5	0	20	QPSK	50	0	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	24	17.80	17.70	17.80	17.80	17.80	18.5	0	20	QPSK	50	24	14.79	14.68	14.74	14.60	14.60	15.5	0	20	QPSK	50	24	18.69	18.59	18.59	18.66	18.66	19.5	0	20	QPSK	50	24	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	50	17.80	17.70	17.80	17.80	17.80	18.5	0	20	QPSK	50	50	14.79	14.68	14.74	14.60	14.60	15.5	0	20	QPSK	50	50	18.69	18.59	18.59	18.66	18.66	19.5	0	20	QPSK	50	50	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	100	0	17.80	17.70	17.80	17.80	17.80	18.5	0	20	QPSK	100	0	14.80	14.68	14.76	14.60	14.60	15.5	0	20	QPSK	100	0	18.71	18.60	18.60	18.67	18.67	19.5	0	20	QPSK	100	0	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	1	0	17.79	17.74	17.80	17.80	17.80	18.5	0	20	QPSK	1	0	14.86	14.69	14.76	14.60	14.60	15.5	0	20	QPSK	1	0	18.59	18.58	18.58	18.60	18.60	19.5	0	20	QPSK	1	0	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	1	40	17.87	17.75	17.76	17.81	17.81	18.5	0	20	QPSK	1	40	14.85	14.82	14.71	14.67	14.67	15.5	0	20	QPSK	1	40	18.59	18.58	18.58	18.60	18.60	19.5	0	20	QPSK	1	40	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	1	80	17.75	17.83	17.80	17.87	17.87	18.5	0	20	QPSK	1	80	14.89	14.68	14.76	14.60	14.60	15.5	0	20	QPSK	1	80	18.51	18.50	18.50	18.53	18.53	19.5	0	20	QPSK	1	80	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	0	17.79	17.80	17.81	17.80	17.80	18.5	0	20	QPSK	50	0	14.91	14.81	14.80	14.80	14.80	15.5	0	20	QPSK	50	0	18.70	18.59	18.59	18.63	18.63	19.5	0	20	QPSK	50	0	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	24	17.78	17.67	17.80	17.80	17.80	18.5	0	20	QPSK	50	24	14.75	14.65	14.80	14.74	14.74	15.5	0	20	QPSK	50	24	18.70	18.58	18.58	18.60	18.60	19.5	0	20	QPSK	50	24	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	50	50	17.82	17.70	17.80	17.80	17.80	18.5	0	20	QPSK	50	50	14.81	14.70	14.82	14.70	14.70	15.5	0	20	QPSK	50	50	18.63	18.48	18.48	18.54	18.54	19.5	0	20	QPSK	50	50	18.09	18.09	18.04	18.07	18.07	19.5	0
20	QPSK	100	0	17.79	17.81	17.80	17.87	17.87	18.5	0	20	QPSK	100	0	14.83	14.63	14.70	14.60	14.60	15.5	0	20	QPSK	100	0	18.74	18.53	18.53	18.64	18.64	19.5	0	20	QPSK	100	0	18.10	18.09	18.04	18.07	18.07	19.5	0
Channel											Channel											Channel											Channel										
Frequency (MHz)											Frequency (MHz)											Frequency (MHz)											Frequency (MHz)										
15	QPSK	1	0	18.03	18.03	18.10	18.10	18.10	18.5	0	15	QPSK	1	0	14.39	14.72	14.74	14.74	14.74	15.5	0	15	QPSK	1	0	18.73	18.83	18.83	18.89	18.89	19.5	0	15	QPSK	1	0	18.19	18.09	18.08	18.10	18.10	19.5	0
15	QPSK	1	37	17.73	17.70	17.48	17.44	17.44	18.5	0	15	QPSK	1	37	14.68	14.74	14.67	14.65	14.65	15.5	0	15	QPSK	1	37	18.64	18.54	18.57	18.62	18.62	19.5	0	15	QPSK	1	37	18.17	18.02	18.04	18.07	18.07	19.5	0
15	QPSK	1	74	17.79	17.79	17.48	17.41	17.41	18.5	0	15	QPSK	1	74	14.67	14.82	14.80	14.80	14.80	15.5	0	15	QPSK	1	74	18.69	18.52	18.52	18.69	18.69	19.5	0	15	QPSK	1	74	18.01	18.01	18.03	18.09	18.09	19.5	0
15	QPSK	50	0	17.82	17.80	17.80	17.81	17.81	18.5	0	15	QPSK	50	0	14.80	14.76	14.80	14.80	14.80	15.5	0	15	QPSK	50	0	18.69	18.59	18.59	18.66	18.66	19.5	0	15	QPSK	50	0	18.09	18.09	18.04	18.07	18.07	19.5	0
15	QPSK	50	24	17.87	17.87	17.48	17.42	17.42	18.5	0	15	QPSK	50	24	14.84	14.65	14.75	14.65	14.65	15.5	0	15	QPSK	50	24	18.69	18.60	18.60	18.77	18.77	19.5	0	15	QPSK	50	24	18.09	18.09	18.04	18.07	18.07	19.5	0
15	QPSK	50	50	17.74	17.82	17.88	17.71	17.71	18.5	0	15	QPSK	50	50	14.78	14.68	14.80	14.80	14.80	15.5	0	15	QPSK	50	50	18.70	18.80	18.80	18.83	18.83	19.5	0	15	QPSK	50	50	18.20	18.10	18.07	18.10	18.10	19.5	0
15	QPSK	100	0	17.78	17.76	17.80	17.80	17.80	18.5	0	15	QPSK	100	0	14.30	14.47	14.42	14.71	14.71	15.5	0	15	QPSK	100	0	18.70	18.86	18.86	18.92	18.92	19.5	0	15	QPSK	100	0	18.20	18.09	18.05	18.08	18.08	19.5	0
15	QPSK	1	0	17.74	17.82	17.80	17.80	17.80	18.5	0	15	QPSK	1	0	14.74	14.72	14.70	14.70	14.70	15.5	0	15	QPSK	1	0	18.67	18.65	18.65	18.66	18.66	19.5	0	15	QPSK	1	0	18.18	18.14	18.04	18.07	18.07	19.5	0
15	QPSK	1	40	17.78	17.80	17.80	17.80	17.80	18.5	0	15	QPSK	1	40	14.82	14.81	14.79	14.79	14.79	15.5	0	15	QPSK	1	40	18.60	18.59	18.59	18.61	18.61	19.5	0	15	QPSK	1	40	18.10	18.09	18.08	18.09	18.09	19.5	0
15	QPSK	1	80	17.84	17.72	17.74	17.74	17.74	18.5	0	15	QPSK	1	80	14.96	14.75	14.82	14.80	14.80	15.5	0	15	QPSK	1	80	18.69	18.59	18.59	18.66	18.66	19.5	0	15	QPSK	1	80	18.0</						

Reduced Power Mode for ECI 13

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1880	1880	1900				
20	QPSK	1	0	20.81	20.90	20.83	22	0		
20	QPSK	1	49	20.69	20.76	20.68				
20	QPSK	1	99	20.78	20.82	20.72				
20	QPSK	50	0	20.77	20.89	20.82	22	0		
20	QPSK	50	24	20.66	20.82	20.76				
20	QPSK	50	50	20.75	20.75	20.73				
20	QPSK	100	0	20.68	20.75	20.72	22	0		
20	16QAM	1	0	20.71	20.76	20.68				
20	16QAM	1	49	20.69	20.81	20.72				
20	16QAM	1	99	20.67	20.77	20.81	22	0		
20	16QAM	50	0	20.73	20.88	20.77				
20	16QAM	50	24	20.73	20.78	20.73				
20	16QAM	50	50	20.76	20.75	20.82	22	0		
20	16QAM	100	0	20.76	20.78	20.72				
20	64QAM	1	0	20.76	20.85	20.72				
20	64QAM	1	49	20.67	20.85	20.77	22	0		
20	64QAM	1	99	20.76	20.81	20.75				
20	64QAM	50	0	20.40	20.37	20.40				
20	64QAM	50	24	20.39	20.41	20.38	21.5	0.5		
20	64QAM	50	50	20.35	20.37	20.33				
20	64QAM	100	0	20.37	20.36	20.34				
Channel				18675	18900	19125	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	20.78	20.78	20.75	22	0		
15	QPSK	1	37	20.82	20.61	20.64				
15	QPSK	1	74	20.77	20.70	20.59				
15	QPSK	36	0	20.73	20.74	20.74	22	0		
15	QPSK	36	20	20.54	20.69	20.73				
15	QPSK	36	39	20.53	20.63	20.67				
15	QPSK	75	0	20.53	20.61	20.71	22	0		
15	16QAM	1	0	20.65	20.73	20.55				
15	16QAM	1	37	20.57	20.68	20.66				
15	16QAM	1	74	20.68	20.76	20.78	22	0		
15	16QAM	36	0	20.68	20.74	20.63				
15	16QAM	36	20	20.60	20.67	20.61				
15	16QAM	36	39	20.73	20.61	20.78	22	0		
15	16QAM	75	0	20.64	20.74	20.66				
15	64QAM	1	0	20.68	20.62	20.59				
15	64QAM	1	37	20.55	20.76	20.68	22	0		
15	64QAM	1	74	20.67	20.79	20.62				
15	64QAM	36	0	20.35	20.30	20.26				
15	64QAM	36	20	20.28	20.32	20.21	21.5	0.5		
15	64QAM	36	39	20.31	20.22	20.24				
15	64QAM	75	0	20.27	20.31	20.24				
Channel				18650	18900	19150	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	20.69	20.69	20.62	22	0		
10	QPSK	1	25	20.57	20.69	20.61				
10	QPSK	1	49	20.71	20.79	20.63				
10	QPSK	25	0	20.62	20.61	20.77	22	0		
10	QPSK	25	12	20.61	20.69	20.75				
10	QPSK	25	25	20.63	20.62	20.61				
10	QPSK	50	0	20.55	20.69	20.67	22	0		
10	16QAM	1	0	20.70	20.67	20.67				
10	16QAM	1	25	20.61	20.68	20.67				
10	16QAM	1	49	20.63	20.63	20.79	22	0		
10	16QAM	25	0	20.58	20.84	20.74				
10	16QAM	25	12	20.62	20.73	20.68				
10	16QAM	25	25	20.63	20.68	20.75	22	0		
10	16QAM	50	0	20.67	20.63	20.71				
10	64QAM	1	0	20.67	20.75	20.68				
10	64QAM	1	25	20.58	20.83	20.70	22	0		
10	64QAM	1	49	20.64	20.70	20.70				
10	64QAM	25	0	20.27	20.39	20.33				
10	64QAM	25	12	20.28	20.34	20.21	21.5	0.5		
10	64QAM	25	25	20.25	20.27	20.23				
10	64QAM	50	0	20.28	20.36	20.30				
Channel				18625	18900	19175	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	20.79	20.83	20.78	22	0		
5	QPSK	1	12	20.62	20.66	20.67				
5	QPSK	1	24	20.69	20.81	20.62				
5	QPSK	12	0	20.65	20.82	20.68	22	0		
5	QPSK	12	7	20.58	20.79	20.75				
5	QPSK	12	13	20.60	20.64	20.66				
5	QPSK	25	0	20.62	20.67	20.60	22	0		
5	16QAM	1	0	20.69	20.72	20.60				
5	16QAM	1	12	20.66	20.72	20.65				
5	16QAM	1	24	20.63	20.63	20.68	22	0		
5	16QAM	12	0	20.61	20.84	20.65				
5	16QAM	12	7	20.63	20.71	20.60				
5	16QAM	12	13	20.68	20.68	20.73	22	0		
5	16QAM	25	0	20.63	20.64	20.62				
5	64QAM	1	0	20.63	20.74	20.58				
5	64QAM	1	12	20.65	20.80	20.65	22	0		
5	64QAM	1	24	20.65	20.70	20.63				
5	64QAM	12	0	20.33	20.37	20.25				
5	64QAM	12	7	20.40	20.29	20.23	21.5	0.5		
5	64QAM	12	13	20.30	20.29	20.30				
5	64QAM	25	0	20.32	20.27	20.21				
Channel				18615	18900	19185	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	20.74	20.80	20.76	22	0		
3	QPSK	1	8	20.54	20.61	20.64				
3	QPSK	1	14	20.68	20.67	20.60				
3	QPSK	8	0	20.72	20.86	20.79	22	0		
3	QPSK	8	4	20.63	20.80	20.63				
3	QPSK	8	7	20.72	20.63	20.71				
3	QPSK	15	0	20.62	20.65	20.67	22	0		
3	16QAM	1	0	20.70	20.68	20.60				
3	16QAM	1	8	20.61	20.72	20.68				
3	16QAM	1	14	20.55	20.67	20.74	22	0		
3	16QAM	8	0	20.72	20.84	20.65				
3	16QAM	8	4	20.71	20.65	20.66				
3	16QAM	8	7	20.61	20.67	20.68	22	0		
3	16QAM	15	0	20.70	20.66	20.65				
3	64QAM	1	0	20.72	20.76	20.71				
3	64QAM	1	8	20.54	20.63	20.64	22	0		
3	64QAM	1	14	20.66	20.68	20.74				
3	64QAM	8	0	20.31	20.31	20.39				
3	64QAM	8	4	20.31	20.31	20.38	21.5	0.5		
3	64QAM	8	7	20.36	20.25	20.18				
3	64QAM	15	0	20.28	20.33	20.33				
Channel				18607	18900	19193	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	20.78	20.76	20.72	22	0		
1.4	QPSK	1	3	20.55	20.66	20.62				
1.4	QPSK	1	5	20.67	20.74	20.58				
1.4	QPSK	3	0	20.73	20.88	20.73	22	0		
1.4	QPSK	3	1	20.63	20.76	20.62				
1.4	QPSK	3	3	20.70	20.70	20.63				
1.4	QPSK	6	0	20.65	20.63	20.65	22	0		
1.4	16QAM	1	0	20.64	20.62	20.65				
1.4	16QAM	1	3	20.59	20.68	20.63				
1.4	16QAM	1	5	20.61	20.66	20.79	22	0		
1.4	16QAM	3	0	20.69	20.76	20.75				
1.4	16QAM	3	1	20.67	20.72	20.61				
1.4	16QAM	3	3	20.62	20.70	20.71	22	0		
1.4	64QAM	1	0	20.64	20.76	20.57				
1.4	64QAM	1	3	20.63	20.83	20.76				
1.4	64QAM	1	5	20.73	20.75	20.64	22	0		
1.4	64QAM	3	0	20.68	20.73	20.60				
1.4	64QAM	3	1	20.66	20.75	20.70				
1.4	64QAM	3	3	20.65	20.70	20.69	21.5	0.5		
1.4	64QAM	6	0	20.55	20.31	20.30				

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.26				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.29	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.29	22.28	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.18	21.24	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41	22.5	2		
20	64QAM	1	49	21.42	21.43	21.46				
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21	21.5	3		
20	64QAM	50	24	20.27	20.21	20.27				
20	64QAM	50	50	20.21	20.19	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel				20025	20175	20325	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28	22.5	2		
15	64QAM	1	37	21.30	21.38	21.37				
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07	21.5	3		
15	64QAM	36	20	20.26	20.20	20.26				
15	64QAM	36	39	20.11	20.05	20.20				
15	64QAM	75	0	20.20	20.08	20.20				
Channel				20000	20175	20300	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.11	22.19				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.16	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	22.5	2		
10	16QAM	25	0	21.18	21.19	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.17	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.25	21.5	3		
10	64QAM	25	25	20.17	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel				19975	20175	20375	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40	22.5	2		
5	64QAM	1	12	21.31	21.36	21.45				
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14	21.5	3		
5	64QAM	12	7	20.16	20.11	20.14				
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.11	20.11	20.23				
Channel				19965	20175	20365	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.97	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.18	22.12				
3	QPSK	8	7	22.19	22.18	22.12				
3	QPSK	15	0	22.09	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.48	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.08	21.12				
3	64QAM	1	0	21.30	21.43	21.29	22.5	2		
3	64QAM	1	8	21.36	21.29	21.40				
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.16	20.15	20.13	21.5	3		
3	64QAM	8	4	20.12	20.12	20.13				
3	64QAM	8	7	20.07	20.04	20.10				
3	64QAM	15	0	20.08	20.08	20.10				
Channel				19957	20175	20393	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	5	22.98	23.12	23.18				
1.4	QPSK	3	0	22.14	22.25	23.25	23.5	1		
1.4	QPSK	3	3	23.07	23.23	23.19				
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1		
1.4	16QAM	1	0	22.40	22.38	22.36				
1.4	16QAM	1	3	22.48	22.39	22.38				
1.4	16QAM	1	5	22.40	22.35	22.45	23.5	1		
1.4	16QAM	3	0	22.38	22.39	22.46				
1.4	16QAM	3	1	22.51	22.40	22.47				
1.4	16QAM	3	3	22.43	22.32	22.48	22.5	2		
1.4	16QAM	6	0	21.21	21.14	21.14				
1.4	64QAM	1	0	21.33	21.38	21.36				
1.4	64QAM	1	3	21.29	21.37	21.41	22.5	2		
1.4	64QAM	1	5	21.16	21.13	21.36				
1.4	64QAM	3	0	21.22	21.43	21.28				
1.4	64QAM	3	1	20.40	21.28	21.39	21.5	3		
1.4	64QAM	3	3	21.21	21.31	21.36				
1.4	64QAM	6	0	20.16	20.11	20.22				

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	25	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.78	23.87	23.86			
10	QPSK	1	25	23.66	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74	24	1	
10	QPSK	25	0	22.64	22.77	22.74			
10	QPSK	25	12	22.83	22.87	22.72			
10	QPSK	25	25	22.83	22.89	22.70			
10	QPSK	50	0	22.87	22.75	22.73	24	1	
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97			
10	16QAM	25	0	21.66	21.63	21.74	23	2	
10	16QAM	25	12	21.60	21.71	21.89			
10	16QAM	25	25	21.80	21.78	21.71			
10	16QAM	50	0	21.62	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96	23	2	
10	64QAM	1	25	21.85	21.77	21.95			
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.89	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625	25	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.83			
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.65	23.77	23.62	24	1	
5	QPSK	12	0	22.60	22.72	22.61			
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.62	22.62			
5	QPSK	25	0	22.56	22.62	22.66	24	1	
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.61	22.62	22.93			
5	16QAM	1	24	22.67	22.90	22.86			
5	16QAM	12	0	21.65	21.54	21.72	23	2	
5	16QAM	12	7	21.56	21.64	21.85			
5	16QAM	12	13	21.57	21.73	21.76			
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87	23	2	
5	64QAM	1	12	21.75	21.69	21.94			
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58	22	3	
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635	25	0	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76			
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70	24	1	
3	QPSK	8	0	22.67	22.76	22.71			
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.60	22.61	22.89			
3	QPSK	15	0	22.59	22.73	22.64	24	1	
3	16QAM	1	0	22.62	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91			
3	16QAM	8	0	21.65	21.57	21.63	23	2	
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64			
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95	23	2	
3	64QAM	1	8	21.78	21.69	21.88			
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57	22	3	
3	64QAM	8	7	20.63	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20407	20525	20643	25	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84			
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65	24	1	
1.4	QPSK	3	0	23.71	23.80	23.85			
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.85	24	1	
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84			
1.4	16QAM	3	0	22.73	22.86	22.87	23	2	
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.86	22.86			
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87	23	2	
1.4	64QAM	1	3	21.82	21.73	21.92			
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70	22	3	
1.4	64QAM	3	3	21.58	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.55			
10	QPSK	25	12	22.54	22.49	22.50	24	1	
10	QPSK	25	25	22.55	22.56	22.47			
10	QPSK	50	0	22.61	22.60	22.52			
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01	24		
10	16QAM	1	49	22.88	22.87	22.93			
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.61	23	2	
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66			
10	64QAM	1	49	21.62	21.68	21.94	23	2	
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.48	20.48			
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58			
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40			
5	QPSK	12	7	22.52	22.48	22.45	24	1	
5	QPSK	12	13	22.40	22.54	22.33			
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.84	23.03	22.66			
5	16QAM	1	12	22.58	22.71	22.90	24	1	
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.48	21.53			
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61	23	2	
5	16QAM	25	0	21.58	21.39	21.48			
5	64QAM	1	0	21.63	21.85	21.75			
5	64QAM	1	12	21.61	21.70	21.84			
5	64QAM	1	24	21.48	21.59	21.85	23	2	
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55	22	3	
Channel				20415	20525	20635			
Frequency (MHz)				824.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61			
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.47	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42			
3	QPSK	8	4	22.43	22.44	22.40	24	1	
3	QPSK	8	7	22.41	22.52	22.40			
3	QPSK	15	0	22.54	22.56	22.44			
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89	24	1	
3	16QAM	1	14	22.77	22.83	22.83			
3	16QAM	8	0	21.53	21.37	21.48			
3	16QAM	8	4	21.57	21.39	21.53			
3	16QAM	8	7	21.53	21.37	21.58	23	2	
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55			
3	64QAM	1	14	21.55	21.61	21.88	23	2	
3	64QAM	8	0	20.40	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.36			
3	64QAM	8	7	20.49	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57			
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.63			
1.4	QPSK	1	9	23.45	23.39	23.54			
1.4	QPSK	3	3	23.48	23.54	23.45	24	1	
1.4	QPSK	6	0	22.43	22.47	22.39			
1.4	16QAM	1	0	22.78	22.96	22.67			
1.4	16QAM	1	3	22.60	22.69	22.89			
1.4	16QAM	1	5	22.87	22.79	22.87	24	1	
1.4	16QAM	3	0	22.80	23.02	22.77			
1.4	16QAM	3	1	22.66	22.78	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86			
1.4	16QAM	6	0	21.50	21.37	21.58	23	2	
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63			
1.4	64QAM	1	5	21.57	21.67	21.83			
1.4	64QAM	3	0	21.61	21.85	21.68	23	2	
1.4	64QAM	3	1	21.85	21.62	21.57			
1.4	64QAM	3	3	21.68	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.47	20.50	20.42	22	0		
20	QPSK	1	49	20.44	20.38	20.34				
20	QPSK	1	99	20.35	20.48	20.32				
20	QPSK	50	0	20.39	20.48	20.45	22	0		
20	QPSK	50	24	20.36	20.41	20.35				
20	QPSK	50	50	20.35	20.47	20.35				
20	QPSK	100	0	20.36	20.42	20.33	22	0		
20	16QAM	1	0	20.40	20.41	20.28				
20	16QAM	1	49	20.41	20.24	20.24				
20	16QAM	1	99	20.29	20.37	20.28	22	0		
20	16QAM	50	0	20.32	20.38	20.33				
20	16QAM	50	24	20.21	20.27	20.23				
20	16QAM	50	50	20.24	20.44	20.20	22	0		
20	16QAM	100	0	20.35	20.30	20.26				
20	64QAM	1	0	20.35	20.48	20.28				
20	64QAM	1	49	20.34	20.23	20.24	22	0		
20	64QAM	1	99	20.21	20.47	20.28				
20	64QAM	50	0	19.96	20.03	19.93				
20	64QAM	50	24	19.96	20.01	19.96	21.5	0.5		
20	64QAM	50	50	19.96	20.04	20.00				
20	64QAM	100	0	19.95	20.03	19.96				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	20.38	20.46	20.30	22	0		
15	QPSK	1	37	20.39	20.36	20.23				
15	QPSK	1	74	20.28	20.35	20.27				
15	QPSK	36	0	20.29	20.41	20.34	22	0		
15	QPSK	36	20	20.29	20.30	20.20				
15	QPSK	36	39	20.32	20.45	20.26				
15	QPSK	75	0	20.23	20.39	20.31	22	0		
15	16QAM	1	0	20.34	20.33	20.22				
15	16QAM	1	37	20.30	20.18	20.15				
15	16QAM	1	74	20.27	20.27	20.17	22	0		
15	16QAM	36	0	20.26	20.34	20.27				
15	16QAM	36	20	20.19	20.21	20.20				
15	16QAM	36	39	20.20	20.29	20.28	22	0		
15	16QAM	75	0	20.25	20.26	20.17				
15	64QAM	1	0	20.30	20.34	20.22				
15	64QAM	1	37	20.27	20.21	20.21	22	0		
15	64QAM	1	74	20.07	20.38	20.15				
15	64QAM	36	0	19.91	19.92	19.88				
15	64QAM	36	20	19.84	19.89	19.81	21.5	0.5		
15	64QAM	36	39	19.87	19.85	19.86				
15	64QAM	75	0	19.98	19.87	19.86				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	20.34	20.46	20.30	22	0		
10	QPSK	1	25	20.32	20.36	20.21				
10	QPSK	1	49	20.20	20.44	20.17				
10	QPSK	25	0	20.34	20.33	20.26	22	0		
10	QPSK	25	12	20.25	20.27	20.29				
10	QPSK	25	25	20.28	20.43	20.30				
10	QPSK	50	0	20.25	20.37	20.30	22	0		
10	16QAM	1	0	20.37	20.36	20.23				
10	16QAM	1	25	20.38	20.15	20.12				
10	16QAM	1	49	20.15	20.22	20.23	22	0		
10	16QAM	25	0	20.27	20.27	20.21				
10	16QAM	25	12	20.06	20.21	20.20				
10	16QAM	25	25	20.15	20.34	20.23	22	0		
10	16QAM	50	0	20.24	20.21	20.16				
10	64QAM	1	0	20.21	20.46	20.25				
10	64QAM	1	25	20.22	20.21	20.19	22	0		
10	64QAM	1	49	20.15	20.39	20.23				
10	64QAM	25	0	19.96	19.85	19.84				
10	64QAM	25	12	19.83	19.83	19.85	21.5	0.5		
10	64QAM	25	25	19.87	19.83	19.85				
10	64QAM	50	0	19.94	19.82	19.87				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.36	20.49	20.32	22	0		
5	QPSK	1	12	20.29	20.23	20.26				
5	QPSK	1	24	20.31	20.38	20.29				
5	QPSK	12	0	20.33	20.44	20.30	22	0		
5	QPSK	12	7	20.33	20.28	20.28				
5	QPSK	12	13	20.21	20.39	20.27				
5	QPSK	25	0	20.23	20.27	20.23	22	0		
5	16QAM	1	0	20.34	20.33	20.21				
5	16QAM	1	12	20.31	20.10	20.22				
5	16QAM	1	24	20.18	20.33	20.22	22	0		
5	16QAM	12	0	20.25	20.34	20.26				
5	16QAM	12	7	20.07	20.17	20.18				
5	16QAM	12	13	20.10	20.37	20.20	22	0		
5	16QAM	25	0	20.30	20.17	20.17				
5	64QAM	1	0	20.24	20.34	20.19				
5	64QAM	1	12	20.19	20.16	20.17	22	0		
5	64QAM	1	24	20.11	20.45	20.14				
5	64QAM	12	0	20.02	19.88	19.81				
5	64QAM	12	7	20.00	19.84	19.85	21.5	0.5		
5	64QAM	12	13	19.91	19.85	19.87				
5	64QAM	25	0	19.83	19.86	19.90				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.75	23.85	23.77	24.5	0		
20	QPSK	1	49	23.69	23.77	23.70				
20	QPSK	1	99	23.72	23.85	23.71				
20	QPSK	50	0	22.73	22.79	22.76	23.5	1		
20	QPSK	50	24	22.66	22.74	22.73				
20	QPSK	50	50	22.69	22.77	22.71				
20	QPSK	100	0	22.67	22.76	22.69	23.5	1		
20	16QAM	1	0	22.82	22.90	22.85				
20	16QAM	1	49	22.88	22.91	22.85				
20	16QAM	1	99	22.79	23.10	23.13	22.5	2		
20	16QAM	50	0	21.59	21.79	21.72				
20	16QAM	50	24	21.66	21.75	21.69				
20	16QAM	50	50	21.74	21.75	21.71	22.5	2		
20	16QAM	100	0	21.67	21.76	21.71				
20	64QAM	1	0	21.80	22.08	22.05				
20	64QAM	1	49	21.77	21.91	21.85	22.5	2		
20	64QAM	1	99	21.80	21.93	22.13				
20	64QAM	50	0	20.61	20.76	20.76				
20	64QAM	50	24	20.68	20.82	20.71	21.5	3		
20	64QAM	50	50	20.71	20.80	20.70				
20	64QAM	100	0	20.65	20.78	20.72				
Channel				20925	21100	21375				
Frequency (MHz)				25075	2535	2562.5				
15	QPSK	1	0	23.76	23.79	23.76	24.5	0		
15	QPSK	1	37	23.59	23.65	23.69				
15	QPSK	1	74	23.64	23.70	23.67				
15	QPSK	36	0	22.67	22.70	22.67	23.5	1		
15	QPSK	36	20	22.65	22.66	22.71				
15	QPSK	36	39	22.66	22.69	22.70				
15	QPSK	75	0	22.58	22.75	22.60	23.5	1		
15	16QAM	1	0	22.67	22.68	22.68				
15	16QAM	1	37	22.81	22.80	22.76				
15	16QAM	1	74	22.70	23.03	23.11	22.5	2		
15	16QAM	36	0	21.50	21.71	21.64				
15	16QAM	36	20	21.61	21.63	21.60				
15	16QAM	36	39	21.62	21.68	21.58	22.5	2		
15	16QAM	75	0	21.60	21.71	21.59				
15	64QAM	1	0	21.69	22.05	22.01				
15	64QAM	1	37	21.67	21.80	21.73	22.5	2		
15	64QAM	1	74	21.67	21.78	22.06				
15	64QAM	36	0	20.57	20.69	20.62				
15	64QAM	36	20	20.58	20.81	20.58	21.5	3		
15	64QAM	36	39	20.56	20.77	20.69				
15	64QAM	75	0	20.51	20.74	20.62				
Channel				20800	21100	21400				
Frequency (MHz)				25065	2535	2565				
10	QPSK	1	0	23.65	23.69	23.62	24.5	0		
10	QPSK	1	25	23.64	23.69	23.73				
10	QPSK	1	49	23.68	23.70	23.70				
10	QPSK	25	0	22.62	22.66	22.72	23.5	1		
10	QPSK	25	12	22.57	22.67	22.64				
10	QPSK	25	25	22.64	22.63	22.69				
10	QPSK	50	0	22.54	22.73	22.64	23.5	1		
10	16QAM	1	0	22.75	22.80	22.88				
10	16QAM	1	25	22.80	22.88	22.77				
10	16QAM	1	49	22.75	22.85	22.95	22.5	2		
10	16QAM	25	0	21.52	21.73	21.65				
10	16QAM	25	12	21.56	21.64	21.57				
10	16QAM	25	25	21.62	21.67	21.68	22.5	2		
10	16QAM	50	0	21.51	21.67	21.70				
10	64QAM	1	0	21.72	21.98	21.90				
10	64QAM	1	25	21.67	21.81	21.84	22.5	2		
10	64QAM	1	49	21.67	21.81	22.04				
10	64QAM	25	0	20.44	20.74	20.74				
10	64QAM	25	12	20.65	20.73	20.69	21.5	3		
10	64QAM	25	25	20.60	20.72	20.62				
10	64QAM	50	0	20.62	20.72	20.65				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.60	23.85	23.85	24.5	0		
5	QPSK	1	12	23.57	23.74	23.62				
5	QPSK	1	24	23.66	23.84	23.68				
5	QPSK	12	0	22.62	22.66	22.67	23.5	1		
5	QPSK	12	7	22.62	22.59	22.72				
5	QPSK	12	13	22.63	22.66	22.59				
5	QPSK	25	0	22.56	22.65	22.65	23.5	1		
5	16QAM	1	0	22.73	22.81	22.89				
5	16QAM	1	12	22.75	22.84	22.72				
5	16QAM	1	24	22.74	22.99	22.99	23.5	1		
5	16QAM	12	0	21.65	21.65	21.67				
5	16QAM	12	7	21.57	21.64	21.58				
5	16QAM	12	13	21.61	21.67	21.65	22.5	2		
5	16QAM	25	0	21.52	21.62	21.60				
5	64QAM	1	0	21.70	21.94	21.98				
5	64QAM	1	12	21.64	21.82	21.77	22.5	2		
5	64QAM	1	24	21.70	21.88	22.01				
5	64QAM	12	0	20.59	20.64	20.62				
5	64QAM	12	7	20.57	20.68	20.67	21.5	3		
5	64QAM	12	13	20.57	20.68	20.67				
5	64QAM	25	0	20.52	20.73	20.58				

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.43	23.50	23.45			
10	QPSK	1	25	23.22	23.39	23.29			
10	QPSK	1	49	23.41	23.47	23.22			
10	QPSK	25	0	22.26	22.30	22.25	23.5	1	
10	QPSK	25	12	22.21	22.20	22.22			
10	QPSK	25	25	22.24	22.28	22.22			
10	QPSK	50	0	22.23	22.27	22.24			
10	16QAM	1	0	22.52	22.37	22.60			
10	16QAM	1	25	22.42	22.32	22.35	23.5	1	
10	16QAM	1	49	22.66	22.55	22.61			
10	16QAM	25	0	21.24	21.18	21.20			
10	16QAM	25	12	21.14	21.26	21.16			
10	16QAM	25	25	21.18	21.36	21.25			
10	16QAM	50	0	21.17	21.24	21.23	22.5	2	
10	64QAM	1	0	21.25	21.36	21.22			
10	64QAM	1	25	21.53	21.35	21.40			
10	64QAM	1	49	21.50	21.39	21.35			
10	64QAM	25	0	20.19	20.28	20.21			
10	64QAM	25	12	20.25	20.21	20.31	21.5	3	
10	64QAM	25	25	20.27	20.37	20.23			
10	64QAM	50	0	20.29	20.25	20.23			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.38	23.37	23.38			
5	QPSK	1	12	23.06	23.28	23.15			
5	QPSK	1	24	23.31	23.38	23.19			
5	QPSK	12	0	22.26	22.28	22.21	23.5	1	
5	QPSK	12	7	22.07	22.19	22.07			
5	QPSK	12	13	22.12	22.23	22.16			
5	QPSK	25	0	22.17	22.24	22.16			
5	16QAM	1	0	22.37	22.28	22.56			
5	16QAM	1	12	22.37	22.17	22.33	23.5	1	
5	16QAM	1	24	22.59	22.45	22.59			
5	16QAM	12	0	21.14	21.04	21.11			
5	16QAM	12	7	21.02	21.14	21.14			
5	16QAM	12	13	21.09	21.25	21.13			
5	16QAM	25	0	21.06	21.19	21.16	22.5	2	
5	64QAM	1	0	21.13	21.29	21.08			
5	64QAM	1	12	21.38	21.31	21.25			
5	64QAM	1	24	21.47	21.29	21.34			
5	64QAM	12	0	20.11	20.23	20.19			
5	64QAM	12	7	20.19	20.13	20.27	21.5	3	
5	64QAM	12	13	20.20	20.26	20.16			
5	64QAM	25	0	20.20	20.22	20.08			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.40	23.49	23.35			
3	QPSK	1	8	23.16	23.31	23.21			
3	QPSK	1	14	23.36	23.45	23.21			
3	QPSK	8	0	22.19	22.25	22.19	23.5	1	
3	QPSK	8	4	22.06	22.09	22.11			
3	QPSK	8	7	22.14	22.22	22.16			
3	QPSK	15	0	22.09	22.19	22.20			
3	16QAM	1	0	22.51	22.30	22.59			
3	16QAM	1	8	22.35	22.25	22.28	23.5	1	
3	16QAM	1	14	22.53	22.48	22.54			
3	16QAM	8	0	21.14	21.09	21.06			
3	16QAM	8	4	21.09	21.14	21.16			
3	16QAM	8	7	21.03	21.30	21.11			
3	16QAM	15	0	21.12	21.14	21.22	22.5	2	
3	64QAM	1	0	21.21	21.35	21.09			
3	64QAM	1	8	21.46	21.22	21.39			
3	64QAM	1	14	21.38	21.34	21.29			
3	64QAM	8	0	20.11	20.18	20.17			
3	64QAM	8	4	20.16	20.10	20.27	21.5	3	
3	64QAM	8	7	20.19	20.35	20.20			
3	64QAM	15	0	20.16	20.17	20.22			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.32	23.45	23.37			
1.4	QPSK	1	3	23.16	23.26	23.17			
1.4	QPSK	1	5	23.38	23.40	23.21			
1.4	QPSK	3	0	23.39	23.42	23.42	23.5	1	
1.4	QPSK	3	1	23.20	23.28	23.17			
1.4	QPSK	3	3	23.36	23.40	23.39			
1.4	QPSK	6	0	22.20	22.18	22.20			
1.4	16QAM	1	0	22.45	22.28	22.55			
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1	
1.4	16QAM	1	5	22.58	22.51	22.46			
1.4	16QAM	3	0	22.46	22.25	22.46			
1.4	16QAM	3	1	22.33	22.26	22.26			
1.4	16QAM	3	3	22.62	22.46	22.46			
1.4	16QAM	6	0	21.11	21.11	21.10	22.5	2	
1.4	64QAM	1	0	21.19	21.27	21.19			
1.4	64QAM	1	3	21.42	21.21	21.29			
1.4	64QAM	1	5	21.43	21.30	21.25			
1.4	64QAM	3	0	21.13	21.32	21.14			
1.4	64QAM	3	1	21.38	21.20	21.27	21.5	3	
1.4	64QAM	3	3	21.36	21.35	21.24			
1.4	64QAM	6	0	20.22	20.22	20.19			

Band 12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.66	23.72	23.69			
10	QPSK	1	25	23.60	23.64	23.54			
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.55	22.60	22.53	23.5	1	
10	QPSK	25	12	22.51	22.52	22.51			
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47			
10	16QAM	1	0	22.95	22.83	22.99			
10	16QAM	1	25	22.94	22.69	22.70	23.5	2	
10	16QAM	1	49	22.99	22.76	22.64			
10	16QAM	25	0	21.52	21.64	21.46			
10	16QAM	25	12	21.43	21.53	21.43			
10	16QAM	25	25	21.60	21.54	21.44			
10	16QAM	50	0	21.56	21.56	21.44	22.5	2	
10	64QAM	1	0	21.75	21.73	21.87			
10	64QAM	1	25	21.85	21.90	21.77			
10	64QAM	1	49	21.71	21.69	21.84			
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48	21.5	3	
10	64QAM	25	25	20.51	20.49	20.49			
10	64QAM	50	0	20.53	20.52	20.46			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.55	23.70	23.57			
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28			
5	QPSK	12	0	22.53	22.51	22.50	23.5	1	
5	QPSK	12	7	22.49	22.49	22.37			
5	QPSK	12	13	22.48	22.51	22.31			
5	QPSK	25	0	22.44	22.52	22.42			
5	16QAM	1	0	22.87	22.57	22.90			
5	16QAM	1	12	22.87	22.61	22.67	23.5	1	
5	16QAM	1	24	22.95	22.68	22.52			
5	16QAM	12	0	21.46	21.59	21.41			
5	16QAM	12	7	21.40	21.50	21.30			
5	16QAM	12	13	21.54	21.43	21.29			
5	16QAM	25	0	21.44	21.42	21.37	22.5	2	
5	64QAM	1	0	21.71	21.71	21.81			
5	64QAM	1	12	21.72	21.68	21.74			
5	64QAM	1	24	21.66	21.65	21.71			
5	64QAM	12	0	20.39	20.39	20.40			
5	64QAM	12	7	20.55	20.48	20.35	21.5	3	
5	64QAM	12	13	20.48	20.39	20.42			
5	64QAM	25	0	20.44	20.39	20.48			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.58	23.63	23.68			
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	14	23.59	23.35	23.27			
3	QPSK	8	0	22.43	22.29	22.48	23.5	1	
3	QPSK	8	4	22.46	22.42	22.35			
3	QPSK	8	7	22.49	22.55	22.45			
3	QPSK	16	0	22.48	22.49	22.40			
3	16QAM	1	0	22.91	22.57	22.96			
3	16QAM	1	8	22.91	22.65	22.68	23.5	1	
3	16QAM	1	14	22.93	22.66	22.55			
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.39			
3	16QAM	8	7	21.55	21.43	21.41			
3	16QAM	15	0	21.49	21.50	21.39	22.5	2	
3	64QAM	1	0	21.64	21.67	21.81			
3	64QAM	1	8	21.81	21.83	21.74			
3	64QAM	1	14	21.68	21.66	21.83			
3	64QAM	8	0	20.35	20.46	20.43			
3	64QAM	8	4	20.48	20.48	20.34	21.5	3	
3	64QAM	8	7	20.43	20.41	20.43			
3	64QAM	15	0	20.40	20.49	20.35			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.56	23.60	23.67			
1.4	QPSK	1	3	23.57	23.60	23.40			
1.4	QPSK	1	5	23.51	23.41	23.25			
1.4	QPSK	3	0	23.65	23.66	23.67	24.5	0	
1.4	QPSK	3	1	23.63	23.62	23.48			
1.4	QPSK	3	3	23.57	23.42	23.27			
1.4	QPSK	6	0	22.39	22.47	22.43			
1.4	16QAM	1	0	22.93	22.51	22.86			
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1	
1.4	16QAM	1	5	22.87	22.64	22.59			
1.4	16QAM	3	0	22.89	22.48	22.93			
1.4	16QAM	3	1	22.93	22.59	22.85			
1.4	16QAM	3	3	22.85	22.62	22.56			
1.4	16QAM	6	0	21.52	21.51	21.37	22.5	2	
1.4	64QAM	1	0	21.70	21.69	21.89			
1.4	64QAM	1	3	21.74	21.82	21.67			
1.4	64QAM	1	5	21.59	21.56	21.82			
1.4	64QAM	3	0	21.70	21.63	21.79			
1.4	64QAM	3	1	21.63	21.54	21.72	22.5	2	
1.4	64QAM	3	3	21.63	21.54	21.73			
1.4	64QAM	6	0	20.52	20.45	20.44			
1.4	64QAM	6	0	20.52	20.45	20.44			
1.4	64QAM	6	0	20.52	20.45	20.44			

Band 66_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.40	23.45	23.44	24.5	0		
20	QPSK	1	49	23.34	23.35	23.42				
20	QPSK	1	99	23.12	23.24	23.26				
20	QPSK	50	0	22.36	22.42	22.40	23.5	1		
20	QPSK	50	24	22.30	22.33	22.35				
20	QPSK	50	50	22.28	22.28	22.36				
20	QPSK	100	0	22.32	22.40	22.38	23.5	1		
20	16QAM	1	0	22.59	22.48	22.65				
20	16QAM	1	49	22.64	22.57	22.64				
20	16QAM	1	99	22.42	22.45	22.47	22.5	2		
20	16QAM	50	0	21.28	21.33	21.45				
20	16QAM	50	24	21.29	21.33	21.42				
20	16QAM	50	50	21.25	21.29	21.35	22.5	2		
20	16QAM	100	0	21.23	21.30	21.39				
20	64QAM	1	0	21.40	21.38	21.55				
20	64QAM	1	49	21.40	21.51	21.52	22.5	2		
20	64QAM	1	99	21.31	21.38	21.46				
20	64QAM	50	0	20.30	20.34	20.49				
20	64QAM	50	24	20.32	20.34	20.44	21.5	3		
20	64QAM	50	50	20.29	20.30	20.38				
20	64QAM	100	0	20.25	20.31	20.41				
Channel				132047	132322	132597	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	23.38	23.38	23.30	24.5	0		
15	QPSK	1	37	23.27	23.31	23.31				
15	QPSK	1	74	23.04	23.10	23.15				
15	QPSK	36	0	22.23	22.33	22.26	23.5	1		
15	QPSK	36	20	22.19	22.21	22.33				
15	QPSK	36	39	22.14	22.13	22.23				
15	QPSK	75	0	22.28	22.37	22.23	23.5	1		
15	16QAM	1	0	22.56	22.35	22.53				
15	16QAM	1	37	22.63	22.43	22.58				
15	16QAM	1	74	22.33	22.36	22.46	22.5	2		
15	16QAM	36	0	21.14	21.30	21.44				
15	16QAM	36	20	21.23	21.27	21.33				
15	16QAM	36	39	21.13	21.14	21.23	22.5	2		
15	16QAM	75	0	21.22	21.26	21.38				
15	64QAM	1	0	21.33	21.34	21.52				
15	64QAM	1	37	21.26	21.47	21.38	22.5	2		
15	64QAM	1	74	21.29	21.36	21.33				
15	64QAM	36	0	20.19	20.32	20.43				
15	64QAM	36	20	20.29	20.20	20.38	21.5	3		
15	64QAM	36	39	20.26	20.25	20.34				
15	64QAM	75	0	20.21	20.23	20.33				
Channel				132022	132322	132622	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.39	23.31	23.37	24.5	0		
10	QPSK	1	25	23.21	23.33	23.29				
10	QPSK	1	49	23.10	23.14	23.16				
10	QPSK	25	0	22.29	22.37	22.27	23.5	1		
10	QPSK	25	12	22.18	22.22	22.23				
10	QPSK	25	25	22.19	22.25	22.31				
10	QPSK	50	0	22.20	22.30	22.34	23.5	1		
10	16QAM	1	0	22.46	22.34	22.51				
10	16QAM	1	25	22.56	22.50	22.63				
10	16QAM	1	49	22.33	22.42	22.40	22.5	2		
10	16QAM	25	0	21.19	21.24	21.36				
10	16QAM	25	12	21.19	21.28	21.37				
10	16QAM	25	25	21.19	21.26	21.35	22.5	2		
10	16QAM	50	0	21.16	21.22	21.25				
10	64QAM	1	0	21.30	21.23	21.52				
10	64QAM	1	25	21.26	21.41	21.43	22.5	2		
10	64QAM	1	49	21.30	21.27	21.43				
10	64QAM	25	0	20.20	20.32	20.37				
10	64QAM	25	12	20.23	20.29	20.34	21.5	3		
10	64QAM	25	25	20.21	20.28	20.32				
10	64QAM	50	0	20.14	20.28	20.37				
Channel				131997	132322	132647	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	23.35	23.39	23.32	24.5	0		
5	QPSK	1	12	23.29	23.27	23.36				
5	QPSK	1	24	23.00	23.12	23.11				
5	QPSK	12	0	22.24	22.33	22.26	23.5	1		
5	QPSK	12	7	22.21	22.31	22.26				
5	QPSK	12	13	22.17	22.18	22.25				
5	QPSK	25	0	22.17	22.32	22.23	23.5	1		
5	16QAM	1	0	22.54	22.35	22.61				
5	16QAM	1	12	22.59	22.44	22.58				
5	16QAM	1	24	22.37	22.42	22.40	22.5	2		
5	16QAM	12	0	21.25	21.29	21.44				
5	16QAM	12	7	21.24	21.19	21.28				
5	16QAM	12	13	21.24	21.21	21.29	22.5	2		
5	16QAM	25	0	21.21	21.27	21.24				
5	64QAM	1	0	21.26	21.34	21.49				
5	64QAM	1	12	21.27	21.36	21.45	22.5	2		
5	64QAM	1	24	21.20	21.27	21.32				
5	64QAM	12	0	20.20	20.25	20.35				
5	64QAM	12	7	20.29	20.27	20.29	21.5	3		
5	64QAM	12	13	20.21	20.28	20.32				
5	64QAM	25	0	20.10	20.21	20.32				
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	23.27	23.41	23.40	24.5	0		
3	QPSK	1	8	23.32	23.20	23.36				
3	QPSK	1	14	22.99	23.17	23.22				
3	QPSK	8	0	22.31	22.32	22.34	23.5	1		
3	QPSK	8	4	22.18	22.29	22.34				
3	QPSK	8	7	22.24	22.13	22.35				
3	QPSK	15	0	22.20	22.31	22.22	23.5	1		
3	16QAM	1	0	22.48	22.45	22.54				
3	16QAM	1	8	22.49	22.48	22.51				
3	16QAM	1	14	22.40	22.37	22.48	22.5	2		
3	16QAM	8	0	21.22	21.19	21.39				
3	16QAM	8	4	21.14	21.22	21.37				
3	16QAM	8	7	21.15	21.18	21.32	22.5	2		
3	16QAM	15	0	21.14	21.18	21.33				
3	64QAM	1	0	21.32	21.24	21.49				
3	64QAM	1	8	21.26	21.45	21.43	22.5	2		
3	64QAM	1	14	21.16	21.31	21.45				
3	64QAM	8	0	20.29	20.33	20.47	21.5	3		
3	64QAM	8	4	20.34	20.30	20.33				
3	64QAM	8	7	20.24	20.19	20.33				
3	64QAM	15	0	20.18	20.25	20.36				
Channel				131979	132322	132685	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0		
1.4	QPSK	1	3	23.27	23.33	23.38				
1.4	QPSK	1	5	23.04	23.11	23.19				
1.4	QPSK	3	0	23.37	23.41	23.39	23.5	1		
1.4	QPSK	3	3	23.36	23.36	23.36				
1.4	QPSK	3	3	23.07	23.19	23.22				
1.4	QPSK	6	0	22.21	22.34	22.35	23.5	1		
1.4	16QAM	1	0	22.52	22.45	22.63				
1.4	16QAM	1	3	22.58	22.47	22.58				
1.4	16QAM	1	5	23.30	22.44	22.35	23.5	1		
1.4	16QAM	3	0	22.47	22.41	22.60				
1.4	16QAM	3	3	22.36	22.56	22.50				
1.4	16QAM	3	3	22.36	22.37	22.34	22.5	2		
1.4	64QAM	1	0	21.21	21.18	21.28				
1.4	64QAM	1	3	21.29	21.37	21.42				
1.4	64QAM	1	3	21.25	21.41	21.45	22.5	2		
1.4	64QAM	3	0	21.19	21.29	21.36				
1.4	64QAM	3	0	21.29	21.37	21.53				
1.4	64QAM	3	1	21.36	21.50	21.45	21.5	3		
1.4	64QAM	3	1	21.32	21.47	21.33				
1.4	64QAM	3	1	20.14	20.29	20.31				

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.38	23.41	23.24	24.5	0	
20	QPSK	1	49	23.21	23.24	23.20			
20	QPSK	1	99	23.16	23.22	23.22			
20	QPSK	50	0	22.35	22.39	22.29	23.5	1	
20	QPSK	50	24	22.29	22.29	22.25			
20	QPSK	50	50	22.33	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.29	23.5	1	
20	16QAM	1	0	22.53	22.52	22.53			
20	16QAM	1	49	22.48	22.44	22.48			
20	16QAM	1	99	22.49	22.54	22.56	22.5	2	
20	16QAM	50	0	21.35	21.21	21.23			
20	16QAM	50	24	21.27	21.26	21.27			
20	16QAM	50	50	21.34	21.20	21.25	22.5	2	
20	16QAM	100	0	21.35	21.22	21.25			
20	64QAM	1	0	21.42	21.44	21.46			
20	64QAM	1	49	21.34	21.45	21.35	22.5	2	
20	64QAM	1	99	21.40	21.49	21.51			
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.28	20.31	20.29	21.5	3	
20	64QAM	50	50	20.35	20.31	20.27			
20	64QAM	100	0	20.36	20.26	20.24			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.30	23.31	23.06	24.5	0	
15	QPSK	1	37	23.12	23.06	23.10			
15	QPSK	1	74	23.11	22.99	23.13			
15	QPSK	36	0	22.26	22.14	22.04	23.5	1	
15	QPSK	36	20	22.07	22.04	22.06			
15	QPSK	36	36	22.20	22.09	22.16			
15	QPSK	75	0	22.22	22.10	22.09	23.5	1	
15	16QAM	1	0	22.36	22.46	22.44			
15	16QAM	1	37	22.36	22.20	22.24			
15	16QAM	1	74	22.39	22.34	22.45	22.5	2	
15	16QAM	36	0	21.12	20.97	21.14			
15	16QAM	36	20	21.06	21.21	21.21			
15	16QAM	36	36	21.09	21.16	21.04	22.5	2	
15	16QAM	75	0	21.29	21.09	21.05			
15	64QAM	1	0	21.22	21.27	21.22			
15	64QAM	1	37	21.19	21.36	21.24	22.5	2	
15	64QAM	1	74	21.30	21.28	21.44			
15	64QAM	36	0	20.15	20.16	20.00			
15	64QAM	36	20	20.17	20.25	20.24	21.5	3	
15	64QAM	36	36	20.24	20.25	20.10			
15	64QAM	75	0	20.27	20.14	20.08			
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.28	23.16	23.17	24.5	0	
10	QPSK	1	25	23.03	23.18	23.07			
10	QPSK	1	49	22.98	23.00	23.06			
10	QPSK	25	0	22.30	22.15	22.16	23.5	1	
10	QPSK	25	12	22.21	22.07	22.06			
10	QPSK	25	25	22.18	21.98	21.99			
10	QPSK	50	0	22.25	22.19	22.02	23.5	1	
10	16QAM	1	0	22.37	22.43	22.41			
10	16QAM	1	25	22.36	22.31	22.28			
10	16QAM	1	49	22.39	22.31	22.46	22.5	2	
10	16QAM	25	0	21.16	21.05	21.03			
10	16QAM	25	12	21.14	21.20	21.19			
10	16QAM	25	25	21.13	21.22	21.10	22.5	2	
10	16QAM	50	0	21.29	21.03	21.06			
10	64QAM	1	0	21.35	21.32	21.34			
10	64QAM	1	25	21.19	21.38	21.12	22.5	2	
10	64QAM	1	49	21.33	21.26	21.43			
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21	21.5	3	
10	64QAM	25	25	20.24	20.19	20.08			
10	64QAM	50	0	20.21	20.18	20.06			
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.27	23.35	23.10	24.5	0	
5	QPSK	1	12	23.04	23.09	23.00			
5	QPSK	1	24	23.02	23.09	23.02			
5	QPSK	12	0	22.22	22.30	22.09	23.5	1	
5	QPSK	12	7	22.21	22.20	22.09			
5	QPSK	12	13	22.12	22.11	22.10			
5	QPSK	25	0	22.26	22.12	22.07	23.5	1	
5	16QAM	1	0	22.34	22.33	22.36			
5	16QAM	1	12	22.30	22.36	22.43			
5	16QAM	1	24	22.29	22.36	22.42	22.5	1	
5	16QAM	12	0	21.29	20.98	21.18			
5	16QAM	12	7	21.07	21.18	21.18			
5	16QAM	12	13	21.26	21.16	21.01	22.5	2	
5	16QAM	25	0	21.15	21.05	21.09			
5	64QAM	1	0	21.24	21.20	21.33			
5	64QAM	1	12	21.20	21.30	21.17	22.5	2	
5	64QAM	1	24	21.31	21.29	21.36			
5	64QAM	12	0	20.10	20.17	20.13			
5	64QAM	12	7	20.15	20.18	20.10	21.5	3	
5	64QAM	12	13	20.20	20.06	20.02			
5	64QAM	25	0	20.10	20.10	20.08			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.68	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.86	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.83	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.47	22.52	22.42	23.5	1	
15	16QAM	1	0	22.94	22.78	22.73			
15	16QAM	1	37	22.76	22.69	22.59			
15	16QAM	1	74	22.53	22.56	22.46	22.5	2	
15	16QAM	36	0	21.97	21.49	21.36			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.49	21.42	21.30			
15	16QAM	75	0	21.53	21.55	21.61			
15	64QAM	1	37	21.82	21.95	21.53	21.5	3	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.54	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422			
Frequency (MHz)				668.5	680.5	692.5			
10	QPSK	1	0	23.36	23.47	23.48	24.5	0	
10	QPSK	1	25	23.37	23.53	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.48	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	22.5	2	
10	16QAM	1	0	22.79	22.79	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	21.5	3	
10	16QAM	25	0	21.62	21.63	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	24	21.75	21.78	21.81	22.5	2	
10	64QAM	1	49	21.48	21.51	21.56			
10	64QAM	25	0	20.54	20.39	20.30			
10	64QAM	25	12	20.41	20.42	20.35	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.46	20.49			
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	13	22.41	22.53	22.37			
5	QPSK	25	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.73	22.47	22.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.60	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.50	22.5	2	
5	64QAM	1	24	21.53	21.56	21.48			
5	64QAM	12	0	20.53	20.34	20.35			
5	64QAM	12	7	20.56	20.50	20.37	21.5	3	
5	64QAM	12	13	20.44	20.55	20.35			
5	64QAM	25	0	20.57	20.56	20.47			

[illegible][illegible]

Band 41_Ant 4																	
BA	Modulation	RB	SSB	RB Offset	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Power Level (dBm)	Turn-on Time (ms)	MPR (dB)
Channel																	
	Frequency (MHz)				36700	46165	46165	41003	41003	41003	41003						
20	QPSK	1	0		20.70	20.70	20.70	23.31	23.31	23.31	23.31						
20	QPSK	1	48		23.57	23.58	23.58	23.40	23.30	23.30	23.30				24.5	0	
20	QPSK	1	96		23.44	23.48	23.48	23.31	23.34	23.34	23.33						
20	QPSK	1	144		23.31	23.32	23.32	23.31	23.32	23.32	23.32						
20	QPSK	160	20	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30				23.5	1	
20	QPSK	160	68	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	116	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	164	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	212	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	260	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	308	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	356	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	404	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	452	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	500	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	548	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	596	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	644	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	692	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	740	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	788	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	836	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	884	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	932	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	980	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1028	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1076	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1124	24	22.97	22.97	22.97	23.3	23.3	23.3	23.3						
20	QPSK	160	1172	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1220	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1268	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1316	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1364	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1412	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1460	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1508	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1556	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1604	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1652	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1700	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1748	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1796	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1844	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1892	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1940	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	1988	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2036	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2084	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2132	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2180	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2228	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2276	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2324	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2372	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2420	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2468	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2516	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2564	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2612	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2660	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2708	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2756	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2804	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2852	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2900	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2948	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	2996	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3044	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3092	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3140	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3188	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3236	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3284	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3332	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3380	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3428	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3476	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3524	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3572	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3620	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3668	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3716	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3764	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3812	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3860	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3908	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	3956	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK	160	4004	24	22.97	22.97	22.97	23.30	23.30	23.30	23.30						
20	QPSK																

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	18.88	18.88	18.88	18.87	10	0	20	QPSK	1	0	22.28	22.28	22.28	22.28	23	0	20	QPSK	1	0	22.48	22.48	22.47	22.47	23	0	20	QPSK	1	0	23.88	23.87	23.78	23.68	24.5	0
20	QPSK	1	48	18.81	18.83	18.83	18.89	10	0	20	QPSK	1	48	22.41	22.43	22.43	22.49	23	0	20	QPSK	1	48	22.41	22.43	22.43	22.49	23	0	20	QPSK	1	48	23.78	23.81	23.78	23.89	24.5	0
20	QPSK	1	96	18.81	18.83	18.83	18.89	10	0	20	QPSK	1	96	22.51	22.53	22.53	22.57	23	0	20	QPSK	1	96	22.51	22.53	22.53	22.57	23	0	20	QPSK	1	96	23.88	23.91	23.88	23.99	24.5	0
20	QPSK	50	0	18.58	18.58	18.58	18.58	10	0	20	QPSK	50	0	21.57	21.57	21.57	21.57	22	1	20	QPSK	50	0	21.47	21.47	21.47	21.47	22	1	20	QPSK	50	0	22.88	22.88	22.77	22.77	23.5	1
20	QPSK	50	24	18.51	18.54	18.53	18.45	10	0	20	QPSK	50	24	21.43	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.37	21.37	22	1	20	QPSK	50	24	22.77	22.68	22.61	22.68	23.5	1
20	QPSK	50	50	18.53	18.54	18.53	18.53	10	0	20	QPSK	50	50	21.47	21.37	21.43	21.37	22	1	20	QPSK	50	50	21.31	21.32	21.32	21.32	22	1	20	QPSK	50	50	22.78	22.68	22.67	22.67	23.5	1
20	QPSK	100	0	18.57	18.47	18.46	18.48	10	0	20	QPSK	100	0	21.55	21.31	21.44	21.38	21	2	20	QPSK	100	0	21.48	21.44	21.31	21.41	21	2	20	QPSK	100	0	22.83	22.58	22.59	22.67	23.5	1
20	QPSK	1	0	18.50	18.46	18.52	18.45	10	0	20	QPSK	1	0	21.53	21.32	21.47	21.39	21	2	20	QPSK	1	0	21.43	21.48	21.44	21.47	21	2	20	QPSK	1	0	22.74	22.57	22.58	22.67	23.5	1
20	QPSK	1	48	18.43	18.47	18.47	18.43	10	0	20	QPSK	1	48	21.48	21.38	21.44	21.33	21	2	20	QPSK	1	48	21.44	21.37	21.48	21.32	21	2	20	QPSK	1	48	22.81	22.51	22.51	22.58	23.5	1
20	QPSK	1	96	18.46	18.34	18.42	18.33	10	0	20	QPSK	1	96	21.36	21.28	21.44	21.38	21	2	20	QPSK	1	96	21.27	21.52	21.48	21.48	21	2	20	QPSK	1	96	22.72	22.56	22.64	22.64	23.5	1
20	QPSK	50	0	18.58	18.52	18.53	18.51	10	0	20	QPSK	50	0	20.56	20.38	20.53	20.43	21	2	20	QPSK	50	0	20.59	20.37	20.53	20.46	21	2	20	QPSK	50	0	21.78	21.53	21.67	21.65	22.5	2
20	QPSK	50	24	18.48	18.28	18.43	18.45	10	0	20	QPSK	50	24	20.44	20.32	20.44	20.36	21	2	20	QPSK	50	24	20.29	20.24	20.35	20.48	21	2	20	QPSK	50	24	21.67	21.41	21.56	21.51	22.5	2
20	QPSK	50	50	18.43	18.27	18.38	18.38	10	0	20	QPSK	50	50	20.44	20.29	20.52	20.50	21	2	20	QPSK	50	50	20.29	20.42	20.31	20.51	21	2	20	QPSK	50	50	21.73	21.56	21.57	21.53	22.5	2
20	QPSK	100	0	18.54	18.37	18.38	18.43	10	0	20	QPSK	100	0	20.41	20.20	20.43	20.41	21	2	20	QPSK	100	0	20.25	20.39	20.32	20.48	21	2	20	QPSK	100	0	21.78	21.38	21.55	21.43	22.5	2
20	QPSK	1	0	18.49	18.40	18.47	18.47	10	0	20	QPSK	1	0	20.54	20.27	20.40	20.39	21	2	20	QPSK	1	0	20.52	20.39	20.35	20.47	21	2	20	QPSK	1	0	21.57	21.41	21.57	21.52	22.5	2
20	QPSK	1	48	18.52	18.38	18.42	18.42	10	0	20	QPSK	1	48	20.46	20.25	20.52	20.51	21	2	20	QPSK	1	48	19.88	20.09	19.97	20.11	21	2	20	QPSK	1	48	21.64	21.41	21.52	21.44	22.5	2
20	QPSK	1	96	18.50	18.37	18.40	18.36	10	0	20	QPSK	1	96	20.46	20.33	20.52	20.42	21	2	20	QPSK	1	96	19.86	20.02	19.89	20.05	21	2	20	QPSK	1	96	21.72	21.45	21.52	21.48	22.5	2
20	QPSK	50	0	18.52	18.37	18.40	18.40	10	0	20	QPSK	50	0	19.95	19.44	19.98	19.45	20	3	20	QPSK	50	0	19.32	19.28	19.35	19.48	20	3	20	QPSK	50	0	20.83	20.46	20.63	20.63	21.5	3
20	QPSK	50	24	18.38	18.22	18.46	18.39	10	0	20	QPSK	50	24	19.58	18.41	19.48	19.35	20	3	20	QPSK	50	24	18.98	18.44	19.35	19.51	20	3	20	QPSK	50	24	20.81	20.46	20.63	20.63	21.5	3
20	QPSK	50	50	18.43	18.27	18.38	18.43	10	0	20	QPSK	50	50	19.54	18.32	19.51	19.38	20	3	20	QPSK	50	50	19.17	18.43	19.31	19.53	20	3	20	QPSK	50	50	20.71	20.47	20.57	20.57	21.5	3
20	QPSK	100	0	18.49	18.40	18.42	18.48	10	0	20	QPSK	100	0	19.54	19.40	19.45	19.37	20	3	20	QPSK	100	0	19.22	19.29	19.37	19.49	20	3	20	QPSK	100	0	20.78	20.48	20.57	20.58	21.5	3
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	18.43	18.38	18.37	18.43	10	0	15	QPSK	1	0	22.48	22.48	22.48	22.48	23	0	15	QPSK	1	0	22.38	22.31	22.31	22.31	23	0	15	QPSK	1	0	23.78	23.68	23.61	23.68	24.5	0
15	QPSK	1	48	18.36	18.37	18.42	18.48	10	0	15	QPSK	1	48	22.45	22.47	22.48	22.48	23	0	15	QPSK	1	48	22.35	22.34	22.31	22.38	23	0	15	QPSK	1	48	23.78	23.68	23.61	23.68	24.5	0
15	QPSK	1	96	18.41	18.38	18.48	18.43	10	0	15	QPSK	1	96	22.45	22.49	22.47	22.49	23	0	15	QPSK	1	96	22.35	22.31	22.37	22.39	23	0	15	QPSK	1	96	23.78	23.68	23.61	23.68	24.5	0
15	QPSK	50	0	18.48	18.42	18.41	18.38	10	0	15	QPSK	50	0	21.48	21.33	21.46	21.38	22	1	15	QPSK	50	0	21.23	21.37	21.38	21.31	22	1	15	QPSK	50	0	22.78	22.68	22.65	22.70	23.5	1
15	QPSK	50	24	18.38	18.33	18.50	18.38	10	0	15	QPSK	50	24	21.38	20.99	21.38	21.28	22	1	15	QPSK	50	24	21.22	21.20	21.09	21.24	22	1	15	QPSK	50	24	22.84	22.60	22.57	22.57	23.5	1
15	QPSK	50	50	18.48	18.32	18.42	18.36	10	0	15	QPSK	50	50	21.45	21.13	21.27	21.24	22	1	15	QPSK	50	50	21.12	21.20	21.18	21.19	22	1	15	QPSK	50	50	22.71	22.66	22.66	22.66	23.5	1
15	QPSK	1	0	18.38	18.33	18.42	18.34	10	0	15	QPSK	1	0	21.50	21.11	21.38	21.14	22	1	15	QPSK	1	0	21.32	21.28	21.17	21.31	22	1	15	QPSK	1	0	22.87	22.55	22.49	22.58	23.5	1
15	QPSK	1	48	18.34	18.30	18.34	18.33	10	0	15	QPSK	1	48	21.42	21.19	21.39	21.18	22	1	15	QPSK	1	48	21.27	21.29	21.17	21.31	22	1	15	QPSK	1	48	22.78	22.58	22.69	22.64	23.5	1
15	QPSK	1	96	18.41	18.38	18.48	18.43	10	0	15	QPSK	1	96	21.43	21.13	21.40	21.35	22	1	15	QPSK	1	96	21.34	21.38	21.37	21.38	22	1	15	QPSK	1	96	22.78	22.58	22.69	22.64	23.5	1
15	QPSK	50	0	18.58	18.52	18.53	18.51	10	0	15	QPSK	50	0	20.56	20.38	20.53	20.43	21	2	15	QPSK	50	0	20.59	20.37	20.53	20.46	21	2	15	QPSK	50	0	21.78	21.53	21.67	21.65	22.5	2
15	QPSK	50	24	18.48	18.28	18.43	18.45	10	0	15	QPSK	50	24	20.44	20.32	20.44	20.36	21	2	15	QPSK	50	24	20.29	20.24	20.35	20.48	21	2	15	QPSK	50	24	21.67	21.41	21.56	21.51	22.5	2
15	QPSK	50	50	18.43	18.27	18.38	18.38	10	0	15	QPSK	50	50	20.44	20.29	20.52	20.50	21	2	15	QPSK	50	50	20.29	20.42	20.31	20.51	21	2	15	QPSK	50	50	21.73	21.56	21.57	21.53	22.5	2
15	QPSK	100	0	18.54	18.37	18.38	18.43	10	0	15	QPSK	100	0	20.41	20.20	20.43	20.41	21	2	15	QPSK	100	0	20.25	20.39	20.32	20.48	21	2	15	QPSK	100	0	21.78	21.38	21.55	21.43	22.5	2
15	QPSK	1	0	18.49	18.40	18.47	18.47	10	0	15	QPSK	1	0	20.54	20.27	20.40	20.39	21	2	15	QPSK	1	0	20.52	20.39	20.35	20.47	21	2	15	QPSK	1	0	21.57	21.41	21.57	21.52	22.5	2
15	QPSK	1	48	18.52	18.38	18.42	18.42	10	0	15	QPSK</																												

Reduced Power Mode for ECI 14

Band 2_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
18700 18800 19000														
20	QPSK	1	0	18.60	18.45	18.42	19.5	0						
20	QPSK	1	49	18.18	18.29	18.18								
20	QPSK	1	99	18.33	18.40	18.31								
20	QPSK	50	0	18.35	18.42	18.40								
20	QPSK	50	24	18.15	18.28	18.32	19.5	0						
20	QPSK	50	50	18.28	18.27	18.30								
20	QPSK	100	0	18.30	18.37	18.35								
20	16QAM	1	0	18.24	18.32	18.24								
20	16QAM	1	49	18.17	18.32	18.31	19.5	0						
20	16QAM	1	99	18.18	18.27	18.39								
20	16QAM	50	0	18.25	18.34	18.31								
20	16QAM	50	24	18.22	18.31	18.31								
20	16QAM	50	50	18.31	18.26	18.27	19.5	0						
20	16QAM	100	0	18.33	18.31	18.27								
20	64QAM	1	0	18.30	18.44	18.22								
20	64QAM	1	49	18.23	18.35	18.28								
20	64QAM	1	99	18.26	18.31	18.27	19.5	0						
20	64QAM	50	0	18.30	18.32	18.25								
20	64QAM	50	24	18.25	18.37	18.25								
20	64QAM	50	50	18.21	18.44	18.25								
20	64QAM	100	0	18.35	18.30	18.27	19.5	0						
Channel														
Frequency (MHz)														
18675 18800 19025														
15	QPSK	1	0	18.675	18.91	18.41	19.5	0						
15	QPSK	1	37	18.07	18.17	18.08								
15	QPSK	1	74	18.21	18.37	18.18								
15	QPSK	36	0	18.24	18.28	18.28								
15	QPSK	36	20	18.07	18.27	18.23	19.5	0						
15	QPSK	36	39	18.17	18.23	18.28								
15	QPSK	75	0	18.25	18.34	18.28								
15	16QAM	1	0	18.17	18.21	18.09								
15	16QAM	1	37	18.05	18.17	18.29	19.5	0						
15	16QAM	1	74	18.17	18.23	18.29								
15	16QAM	36	0	18.17	18.25	18.24								
15	16QAM	36	20	18.07	18.28	18.30								
15	16QAM	36	39	18.23	18.18	18.13	19.5	0						
15	16QAM	75	0	18.25	18.34	18.28								
15	64QAM	1	0	18.18	18.29	18.12								
15	64QAM	1	37	18.17	18.27	18.14								
15	64QAM	1	74	18.13	18.18	18.12	19.5	0						
15	64QAM	36	0	18.28	18.23	18.12								
15	64QAM	36	20	18.10	18.35	18.17								
15	64QAM	36	39	18.19	18.42	18.23								
15	64QAM	75	0	18.20	18.26	18.15	19.5	0						
Channel														
Frequency (MHz)														
18650 18800 19150														
10	QPSK	1	0	18.33	18.33	18.30	19.5	0						
10	QPSK	1	25	18.12	18.17	18.03								
10	QPSK	1	49	18.23	18.34	18.30								
10	QPSK	25	0	18.22	18.30	18.38								
10	QPSK	25	12	18.03	18.24	18.29	19.5	0						
10	QPSK	25	25	18.14	18.18	18.22								
10	QPSK	50	0	18.27	18.33	18.34								
10	16QAM	1	0	18.16	18.20	18.14								
10	16QAM	1	25	18.16	18.16	18.25	19.5	0						
10	16QAM	1	49	18.05	18.22	18.37								
10	16QAM	25	0	18.12	18.19	18.27								
10	16QAM	25	12	18.17	18.26	18.19								
10	16QAM	25	25	18.30	18.15	18.12	19.5	0						
10	16QAM	50	0	18.28	18.30	18.18								
10	64QAM	1	0	18.17	18.29	18.17								
10	64QAM	1	25	18.16	18.25	18.23								
10	64QAM	1	49	18.21	18.23	18.22	19.5	0						
10	64QAM	25	0	18.23	18.25	18.23								
10	64QAM	25	12	18.23	18.27	18.23								
10	64QAM	25	25	18.15	18.31	18.13								
10	64QAM	50	0	18.31	18.27	18.16	19.5	0						
Channel														
Frequency (MHz)														
18625 18800 19075														
5	QPSK	1	0	18.32	18.34	18.40	19.5	0						
5	QPSK	1	12	18.17	18.28	18.16								
5	QPSK	1	24	18.26	18.35	18.29								
5	QPSK	12	0	18.22	18.27	18.33								
5	QPSK	12	7	18.11	18.27	18.26	19.5	0						
5	QPSK	12	13	18.24	18.19	18.24								
5	QPSK	25	0	18.25	18.24	18.23								
5	16QAM	1	0	18.23	18.31	18.17								
5	16QAM	1	12	18.12	18.31	18.25	19.5	0						
5	16QAM	1	24	18.26	18.16	18.35								
5	16QAM	12	0	18.23	18.30	18.29								
5	16QAM	12	7	18.11	18.22	18.25								
5	16QAM	12	13	18.18	18.12	18.16	19.5	0						
5	16QAM	25	0	18.18	18.19	18.19								
5	64QAM	1	0	18.19	18.37	18.07								
5	64QAM	1	12	18.12	18.28	18.18								
5	64QAM	1	24	18.16	18.29	18.25	19.5	0						
5	64QAM	12	0	18.23	18.25	18.15								
5	64QAM	12	7	18.16	18.24	18.21								
5	64QAM	12	13	18.13	18.43	18.11								
5	64QAM	25	0	18.34	18.21	18.14	19.5	0						
Channel														
Frequency (MHz)														
18615 18800 19085														
3	QPSK	1	0	18.36	18.39	18.37	19.5	0						
3	QPSK	1	8	18.07	18.20	18.17								
3	QPSK	1	16	18.21	18.34	18.27								
3	QPSK	8	0	18.23	18.31	18.29								
3	QPSK	8	4	18.06	18.17	18.19	19.5	0						
3	QPSK	8	7	18.13	18.13	18.17								
3	QPSK	15	0	18.25	18.23	18.33								
3	16QAM	1	0	18.23	18.22	18.16								
3	16QAM	1	8	18.16	18.20	18.18	19.5	0						
3	16QAM	1	16	18.11	18.14	18.30								
3	16QAM	8	0	18.10	18.30	18.19								
3	16QAM	8	4	18.08	18.26	18.29								
3	16QAM	8	7	18.16	18.08	18.21	19.5	0						
3	16QAM	15	0	18.21	18.20	18.14								
3							19.5	0						
3	64QAM	1	0	18.16	18.34	18.15								
3	64QAM	1	8	18.10	18.26	18.26								
3	64QAM	1	16	18.21	18.28	18.17								
3	64QAM	8	0	18.15	18.16	18.32	19.5	0						
3	64QAM	8	4	18.20	18.36	18.16								
3	64QAM	8	7	18.19	18.38	18.12								
3	64QAM	15	0	18.20	18.28	18.24								
Channel														
Frequency (MHz)														
18607 18800 19093														
1.4	QPSK	1	0	18.39	18.32	18.29	19.5	0						
1.4	QPSK	1	3	18.14	18.14	18.09								
1.4	QPSK	1	5	18.25	18.35	18.29								
1.4	QPSK	3	0	18.30	18.28	18.25								
1.4	QPSK	3	1	18.10	18.25	18.24	19.5	0						
1.4	QPSK	3	3	18.14	18.24	18.28								
1.4	QPSK	6	0	18.29	18.22	18.33								
1.4	16QAM	1	0	18.18	18.18	18.10								
1.4	16QAM	1	3	18.11	18.29	18.30	19.5	0						
1.4	16QAM	1	5	18.15	18.32	18.22								
1.4	16QAM	3	0	18.16	18.16	18.25								
1.4	16QAM	3	3	18.18	18.19	18.25								
1.4	16QAM	6	0	18.19	18.26	18.12	19.5	0						
1.4	64QAM	1	0	18.15	18.43	18.10								
1.4	64QAM	1	3	18.18	18.20	18.17	19.5	0						
1.4	64QAM	1	5	18.25	18.30	18.22								
1.4	64QAM	3	0	18.29	18.26	18.23								
1.4	64QAM	3	1	18.21	18.35	18.16								
1.4	64QAM	3	3	18.17	18.30	18.17	19.5	0						
1.4	64QAM	6	0	18.25	18.16	18.28								

Band 4_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]				
Channel												
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	23.25	23.30	23.27	24.5	0				
20	QPSK	1	49	23.22	23.26	23.20						
20	QPSK	1	99	23.11	23.15	23.22						
20	QPSK	50	0	22.39	22.31	22.27						
20	QPSK	50	24	22.27	22.22	22.25	23.5	1				
20	QPSK	50	50	22.21	22.19	22.26						
20	QPSK	100	0	22.24	22.29	22.26						
20	16QAM	1	0	22.52	22.52	22.48						
20	16QAM	1	49	22.53	22.51	22.48	23.5	1				
20	16QAM	1	99	22.44	22.36	22.50						
20	16QAM	50	0	21.23	21.20	21.21						
20	16QAM	50	24	21.26	21.19	21.28						
20	16QAM	50	50	21.22	21.20	21.26	22.5	2				
20	16QAM	100	0	21.22	21.18	21.24						
20	16QAM	1	0	21.34	21.45	21.41						
20	16QAM	1	49	21.42	21.43	21.46						
20	16QAM	1	99	21.27	21.25	21.42	22.5	2				
20	16QAM	50	0	20.24	20.22	20.21						
20	16QAM	50	24	20.27	20.21	20.27						
20	16QAM	50	50	20.21	20.19	20.27						
20	16QAM	100	0	20.23	20.19	20.25	21.5	3				
Channel												
Frequency (MHz)				20025	20175	20325			Tune-up limit [dBm]	MPR [dB]		
				1717.5	1732.5	1747.5						
15	QPSK	1	0	23.15	23.16	23.22	24.5	0				
15	QPSK	1	49	23.09	23.16	23.13						
15	QPSK	1	74	23.10	23.03	23.12						
15	QPSK	36	0	22.22	22.17	22.17						
15	QPSK	36	20	22.12	22.19	22.24	23.5	1				
15	QPSK	36	39	22.11	22.06	22.15						
15	QPSK	75	0	22.09	22.21	22.25						
15	16QAM	1	0	22.49	22.41	22.34						
15	16QAM	1	37	22.36	22.49	22.46	23.5	1				
15	16QAM	1	74	22.40	22.30	22.42						
15	16QAM	36	0	21.12	21.05	21.15						
15	16QAM	36	20	21.16	21.05	21.19						
15	16QAM	36	39	21.09	21.13	21.13	22.5	2				
15	16QAM	75	0	21.13	21.10	21.20						
15	16QAM	1	0	21.27	21.39	21.28						
15	16QAM	1	37	21.30	21.38	21.37						
15	16QAM	1	74	21.13	21.21	21.33	22.5	2				
15	16QAM	36	0	20.17	20.18	20.07						
15	16QAM	36	20	20.26	20.20	20.26						
15	16QAM	36	39	20.11	20.05	20.21						
15	16QAM	75	0	20.20	20.08	20.20						
Channel												
Frequency (MHz)				20000	20175	20350	Tune-up limit [dBm]	MPR [dB]				
				1715	1732.5	1750						
10	QPSK	1	0	23.14	23.18	23.18	24.5	0				
10	QPSK	1	25	23.07	23.12	23.19						
10	QPSK	1	49	23.06	23.07	23.19						
10	QPSK	25	0	22.16	22.21	22.21						
10	QPSK	25	12	22.14	22.11	22.20	23.5	1				
10	QPSK	25	25	22.14	22.14	22.18						
10	QPSK	50	0	22.18	22.14	22.14						
10	16QAM	1	0	22.39	22.43	22.38						
10	16QAM	1	25	22.51	22.47	22.42	23.5	1				
10	16QAM	1	49	22.37	22.34	22.47						
10	16QAM	25	0	21.18	21.19	21.07						
10	16QAM	25	12	21.15	21.09	21.17						
10	16QAM	25	25	21.07	21.13	21.25	22.5	2				
10	16QAM	50	0	21.17	21.14	21.20						
10	16QAM	1	0	21.25	21.33	21.30						
10	16QAM	1	25	21.38	21.36	21.45						
10	16QAM	1	49	21.13	21.19	21.29	22.5	2				
10	16QAM	25	0	20.13	20.08	20.06						
10	16QAM	25	12	20.23	20.07	20.25						
10	16QAM	25	25	20.12	20.07	20.21						
10	16QAM	50	0	20.15	20.05	20.19	21.5	3				
10	16QAM	25	0	20.15	20.05	20.19						
10	16QAM	50	0	20.15	20.05	20.19						
10	16QAM	50	0	20.15	20.05	20.19						
10	16QAM	50	0	20.15	20.05	20.19						
Channel												
Frequency (MHz)				19975	20175	20375	Tune-up limit [dBm]	MPR [dB]				
				1712.5	1732.5	1752.5						
5	QPSK	1	0	23.18	23.18	23.24	24.5	0				
5	QPSK	1	12	23.09	23.18	23.07						
5	QPSK	1	24	23.06	23.10	23.17						
5	QPSK	12	0	22.14	22.24	22.16						
5	QPSK	12	7	22.20	22.16	22.14	23.5	1				
5	QPSK	12	13	22.18	22.15	22.21						
5	QPSK	25	0	22.23	22.28	22.14						
5	16QAM	1	0	22.40	22.41	22.35						
5	16QAM	1	12	22.50	22.37	22.34	23.5	1				
5	16QAM	1	24	22.33	22.35	22.45						
5	16QAM	12	0	21.17	21.08	21.16						
5	16QAM	12	7	21.17	21.07	21.21						
5	16QAM	12	13	21.16	21.07	21.25	22.5	2				
5	16QAM	25	0	21.13	21.05	21.09						
5	16QAM	1	0	21.20	21.39	21.40						
5	16QAM	1	12	21.31	21.36	21.45						
5	16QAM	1	24	21.25	21.11	21.39	22.5	2				
5	16QAM	12	0	20.14	20.00	20.14						
5	16QAM	12	7	20.16	20.11	20.14						
5	16QAM	12	13	20.13	20.16	20.25						
5	16QAM	25	0	20.11	20.11	20.23	21.5	3				
5	16QAM	25	0	20.11	20.11	20.23						
5	16QAM	25	0	20.11	20.11	20.23						
5	16QAM	25	0	20.11	20.11	20.23						
5	16QAM	25	0	20.11	20.11	20.23						
Channel												
Frequency (MHz)				19957	20175	20393	Tune-up limit [dBm]	MPR [dB]				
				1711.5	1732.5	1753.5						
3	QPSK	1	0	23.14	23.15	23.20	24.5	0				
3	QPSK	1	8	23.15	23.21	23.11						
3	QPSK	1	16	23.07	23.10	23.12						
3	QPSK	8	0	22.16	22.20	22.12						
3	QPSK	8	4	22.25	22.18	22.12	23.5	1				
3	QPSK	8	7	22.19	22.18	22.12						
3	QPSK	15	0	22.09	22.27	22.24	23.5	1				
3	16QAM	1	0	22.45	22.40	22.45						
3	16QAM	1	8	22.45	22.47	22.40						
3	16QAM	1	16	22.33	22.22	22.46						
3	16QAM	8	0	21.21	21.10	21.10	22.5	2				
3	16QAM	8	4	21.22	21.10	21.15						
3	16QAM	8	7	21.07	21.09	21.15						
3	16QAM	15	0	21.08	21.06	21.12						
3	16QAM	1	0	21.30	21.33	21.29	22.5	2				
3	16QAM	1	8	21.36	21.29	21.40						
3	16QAM	1	16	21.13	21.12	21.38						
3	16QAM	8	0	20.16	20.15	20.13						
3	16QAM	8	0	20.13	20.13	20.13	21.5	3				
3	16QAM	8	7	20.12	20.04	20.18						
3	16QAM	15	0	20.08	20.08	20.10						
3	16QAM	15	0	20.08	20.08	20.10						
Channel												
Frequency (MHz)				1970.7	20175	20593	Tune-up limit [dBm]	MPR [dB]				
				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0				
1.4	QPSK	1	3	23.20	23.23	23.16						
1.4	QPSK	1	5	22.98	23.12	23.18						
1.4	QPSK	3	0	22.14	23.25	23.25						
1.4	QPSK	3	1	23.07	23.24	23.19	23.5	1				
1.4	QPSK	3	3	23.01	23.08	23.21						
1.4	QPSK	6	0	22.12	22.26	22.12						
1.4	16QAM	1	0	22.40	22.38	22.36						
1.4	16QAM	1	3	22.48	22.39	22.38	23.5	1				
1.4	16QAM	1	5	22.40	22.35	22.45						
1.4	16QAM	3	0	22.28	22.39	22.46						
1.4	16QAM	3	1	22.51	22.40	22.47						
1.4	16QAM	3	3	22.43	22.30	22.46	22.5	2				
1.4	16QAM	6	0	21.21	21.14	21.14						
1.4	16QAM	1	0	21.33	21.38	21.36						
1.4	16QAM	1	3	21.29	21.37	21.41						
1.4	16QAM	1	5	21.12	21.13	21.26	22.5	2				
1.4	16QAM	3	0	21.26	21.43	21.38						
1.4	16QAM	3	1	21.40	21.40	21.36						
1.4	16QAM	3	3	21.21	21.17	21.35						
1.4	16QAM	6	0	20.16	20.11	20.22	21.5	3				
1.4	16QAM	6	0	20.16	20.11	20.22						
1.4	16QAM	6	0	20.16	20.11	20.22						
1.4	16QAM	6	0	20.16	20.11	20.22						

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.76	23.87	23.86	25	0		
10	QPSK	1	25	23.66	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.64	22.77	22.74				
10	QPSK	25	12	22.63	22.67	22.72	24	1		
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73				
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02	24	1		
10	16QAM	1	49	22.71	23.00	22.97				
10	16QAM	25	0	21.66	21.63	21.74				
10	16QAM	25	12	21.60	21.71	21.69				
10	16QAM	25	25	21.60	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95				
10	64QAM	1	49	21.84	21.98	21.81	22	3		
10	64QAM	25	0	20.60	20.73	20.66				
10	64QAM	25	12	20.52	20.62	20.69				
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5 <th>836.5<th>846.5</th><th colspan="3"></th></th>	836.5 <th>846.5</th> <th colspan="3"></th>	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.65	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61				
5	QPSK	12	7	22.51	22.56	22.71	24	1		
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66				
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93	24	1		
5	16QAM	1	24	22.67	22.90	22.86				
5	16QAM	12	0	21.65	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.85				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.69	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94				
5	64QAM	1	24	21.72	21.93	21.76	22	3		
5	64QAM	12	0	20.46	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58				
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71				
3	QPSK	8	4	22.62	22.59	22.69	24	1		
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64				
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.66	22.97	24	1		
3	16QAM	1	14	22.68	22.86	22.91				
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.76	21.69	21.86				
3	64QAM	1	14	21.70	21.85	21.70	22	3		
3	64QAM	8	0	20.46	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57				
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85				
1.4	QPSK	3	1	23.63	23.68	23.45	24	1		
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65				
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00	24	1		
1.4	16QAM	1	5	22.66	22.86	22.84				
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.62	21.73	21.92				
1.4	64QAM	1	5	21.80	21.92	21.80	23	2		
1.4	64QAM	3	0	21.42	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70				
1.4	64QAM	3	3	21.98	21.99	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77	22	3		

Band 5_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.63	23.66	23.64	25	0				
10	QPSK	1	25	23.49	23.44	23.50						
10	QPSK	1	49	23.47	23.61	23.57						
10	QPSK	25	0	22.59	22.63	22.55						
10	QPSK	25	12	22.54	22.49	22.50	24	1				
10	QPSK	25	25	22.55	22.56	22.47						
10	QPSK	50	0	22.56	22.60	22.52						
10	16QAM	1	0	22.85	23.05	22.80						
10	16QAM	1	25	22.71	22.81	23.01	24	1				
10	16QAM	1	49	22.88	22.87	22.93						
10	16QAM	25	0	21.57	21.47	21.60						
10	16QAM	25	12	21.62	21.42	21.64						
10	16QAM	25	25	21.61	21.48	21.62	23	2				
10	16QAM	50	0	21.61	21.46	21.61						
10	64QAM	1	0	21.75	21.87	21.86						
10	64QAM	1	25	21.76	21.60	21.96						
10	64QAM	1	49	21.62	21.68	21.94	22	3				
10	64QAM	25	0	20.50	20.53	20.61						
10	64QAM	25	12	20.49	20.46	20.48						
10	64QAM	25	25	20.52	20.58	20.52						
10	64QAM	50	0	20.51	20.51	20.61	Tune-up limit (dBm)					
Channel				20425	20525	20625		MPR (dB)				
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	23.51	23.64	23.58	25	0				
5	QPSK	1	12	23.41	23.42	23.42						
5	QPSK	1	24	23.32	23.59	23.52						
5	QPSK	12	0	22.48	22.58	22.40						
5	QPSK	12	7	22.52	22.48	22.45	24	1				
5	QPSK	12	13	22.40	22.54	22.33						
5	QPSK	25	0	22.54	22.57	22.48						
5	16QAM	1	0	22.64	23.03	22.66						
5	16QAM	1	12	22.58	22.71	23.00	24	1				
5	16QAM	1	24	22.80	22.84	22.92						
5	16QAM	12	0	21.49	21.48	21.53						
5	16QAM	12	7	21.58	21.30	21.53						
5	16QAM	12	13	21.53	21.31	21.61	23	2				
5	16QAM	25	0	21.58	21.49	21.48						
5	64QAM	1	0	21.65	21.85	21.75						
5	64QAM	1	12	21.61	21.58	21.64						
5	64QAM	1	24	21.48	21.58	21.85	22	3				
5	64QAM	12	0	20.40	20.40	20.48						
5	64QAM	12	7	20.34	20.36	20.36						
5	64QAM	12	13	20.40	20.56	20.41						
5	64QAM	25	0	20.42	20.50	20.55	Tune-up limit (dBm)					
Channel				20415	20525	20635		MPR (dB)				
Frequency (MHz)				826.5	836.5	847.5						
3	QPSK	1	0	23.54	23.64	23.61	25	0				
3	QPSK	1	8	23.36	23.32	23.44						
3	QPSK	1	14	23.44	23.53	23.48						
3	QPSK	8	0	22.53	22.61	22.42						
3	QPSK	8	4	22.43	22.44	22.40	24	1				
3	QPSK	8	8	22.41	22.52	22.40						
3	QPSK	15	0	22.54	22.56	22.44						
3	16QAM	1	0	22.80	22.93	22.73						
3	16QAM	1	8	22.70	22.76	22.89	24	1				
3	16QAM	1	14	22.77	22.83	22.83						
3	16QAM	8	0	21.53	21.37	21.48						
3	16QAM	8	4	21.57	21.36	21.53						
3	16QAM	8	7	21.53	21.37	21.56	23	2				
3	16QAM	15	0	21.59	21.31	21.47						
3	64QAM	1	0	21.63	21.78	21.79						
3	64QAM	1	8	21.65	21.53	21.55						
3	64QAM	1	14	21.56	21.61	21.36	23	2				
3	64QAM	8	0	20.49	20.41	20.50						
3	64QAM	8	4	20.36	20.44	20.36						
3	64QAM	8	7	20.49	20.47	20.40						
3	64QAM	15	0	20.43	20.42	20.48	22	3				
Channel				20407	20525	20643					Tune-up limit (dBm)	
Frequency (MHz)				824.7	836.5	848.3					MPR (dB)	
1.4	QPSK	1	0	23.57	23.56	23.57				25	0	
1.4	QPSK	1	3	23.46	23.42	23.40						
1.4	QPSK	1	5	23.37	23.51	23.43						
1.4	QPSK	3	0	23.54	23.54	23.54						
1.4	QPSK	3	1	23.45	23.29	23.49	24	1				
1.4	QPSK	3	3	23.46	23.54	23.45						
1.4	QPSK	6	0	22.43	22.47	22.39						
1.4	16QAM	1	0	22.78	22.99	22.67						
1.4	16QAM	1	3	22.60	22.69	22.89	24	1				
1.4	16QAM	1	5	22.67	22.79	22.87						
1.4	QPSK	3	0	22.86	22.80	22.79						
1.4	16QAM	3	0	22.86	22.79	22.90						
1.4	16QAM	3	3	22.74	22.72	22.88	23	2				
1.4	16QAM	6	0	21.50	21.37	21.58						
1.4	64QAM	1	0	21.71	21.77	21.67						
1.4	64QAM	1	3	21.62	21.53	21.63						
1.4	64QAM	1	5	21.57	21.67	21.63	23	2				
1.4	64QAM	3	0	21.61	21.85	21.88						
1.4	QPSK	3	1	21.63	21.56	21.57						
1.4	64QAM	3	3	21.60	21.54	21.91						
1.4	64QAM	6	0	20.45	20.42	20.50	22	3				

Band 12_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.43	23.50	23.45	24.5	0				
10	QPSK	1	25	23.22	23.39	23.29						
10	QPSK	1	49	23.41	23.47	23.22						
10	QPSK	25	0	22.28	22.30	22.25						
10	QPSK	25	12	22.21	22.20	22.22	23.5	1				
10	QPSK	25	25	22.24	22.28	22.22						
10	QPSK	50	0	22.23	22.27	22.24						
10	16QAM	1	0	22.52	22.37	22.80						
10	16QAM	1	25	22.42	22.32	22.35	23.5	1				
10	16QAM	1	49	22.66	22.55	22.81						
10	16QAM	25	0	21.24	21.18	21.20						
10	16QAM	25	12	21.14	21.26	21.18						
10	16QAM	25	25	21.18	21.36	21.25	22.5	2				
10	16QAM	50	0	21.17	21.24	21.23						
10	64QAM	1	0	21.25	21.36	21.22						
10	64QAM	1	25	21.53	21.35	21.40						
10	64QAM	1	49	21.50	21.39	21.35	22.5	2				
10	64QAM	25	0	20.19	20.28	20.21						
10	64QAM	25	12	20.25	20.21	20.31						
10	64QAM	25	25	20.27	20.37	20.23						
10	64QAM	50	0	20.29	20.25	20.23	21.5	3				
Channel				23035	23095	23155				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5						
5	QPSK	1	0	23.38	23.37	23.38				24.5	0	
5	QPSK	1	12	23.08	23.28	23.15						
5	QPSK	1	24	23.31	23.38	23.19						
5	QPSK	12	0	22.26	22.28	22.21						
5	QPSK	12	7	22.07	22.19	22.07	23.5	1				
5	QPSK	12	13	22.12	22.23	22.16						
5	QPSK	25	0	22.17	22.24	22.18						
5	16QAM	1	0	22.37	22.28	22.56						
5	16QAM	1	12	22.37	22.17	22.33	23.5	1				
5	16QAM	1	24	22.59	22.45	22.59						
5	16QAM	12	0	21.14	21.04	21.11						
5	16QAM	12	7	21.02	21.14	21.14						
5	16QAM	12	13	21.09	21.25	21.13	22.5	2				
5	16QAM	25	0	21.06	21.19	21.18						
5	64QAM	1	0	21.13	21.29	21.08						
5	64QAM	1	12	21.36	21.31	21.25						
5	64QAM	1	24	21.47	21.29	21.34	21.5	3				
5	64QAM	12	0	20.11	20.23	20.19						
5	64QAM	12	7	20.19	20.13	20.27						
5	64QAM	12	13	20.20	20.26	20.16						
5	64QAM	25	0	20.20	20.22	20.08						
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				700.5	707.5	714.5						
3	QPSK	1	0	23.40	23.49	23.35	24.5	0				
3	QPSK	1	8	23.16	23.31	23.21						
3	QPSK	1	14	23.36	23.45	23.21						
3	QPSK	8	0	22.19	22.25	22.19						
3	QPSK	8	4	22.06	22.09	22.11	23.5	1				
3	QPSK	8	7	22.14	22.22	22.16						
3	QPSK	15	0	22.09	22.19	22.20						
3	16QAM	1	0	22.51	22.30	22.59						
3	16QAM	1	8	22.35	22.25	22.28	23.5	1				
3	16QAM	1	14	22.53	22.48	22.54						
3	16QAM	8	0	21.14	21.08	21.06						
3	16QAM	8	4	21.09	21.14	21.16						
3	16QAM	8	7	21.03	21.30	21.11	22.5	2				
3	16QAM	15	0	21.12	21.14	21.22						
3	64QAM	1	0	21.21	21.35	21.09						
3	64QAM	1	8	21.46	21.22	21.39						
3	64QAM	1	14	21.38	21.34	21.29	21.5	3				
3	64QAM	8	0	20.11	20.18	20.17						
3	64QAM	8	4	20.16	20.10	20.27						
3	64QAM	8	7	20.19	20.35	20.20						
3	64QAM	15	0	20.16	20.17	20.22						
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				699.7	707.5	715.3						
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0				
1.4	QPSK	1	3	23.16	23.26	23.17						
1.4	QPSK	1	5	23.38	23.40	23.21						
1.4	QPSK	3	0	23.39	23.42	23.42						
1.4	QPSK	3	1	23.20	23.28	23.17	23.5	1				
1.4	QPSK	3	3	23.36	23.40	23.09						
1.4	QPSK	6	0	22.20	22.18	22.20						
1.4	16QAM	1	0	22.45	22.28	22.55						
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1				
1.4	16QAM	1	5	22.58	22.51	22.46						
1.4	16QAM	3	0	22.46	22.25	22.46						
1.4	16QAM	3	1	22.33	22.28	22.26						
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2				
1.4	16QAM	6	0	21.11	21.11	21.10						
1.4	64QAM	1	0	21.19	21.27	21.19						
1.4	64QAM	1	3	21.42	21.21	21.29						
1.4	64QAM	1	5	21.43	21.30	21.25	22.5	2				
1.4	64QAM	3	0	21.13	21.32	21.14						
1.4	64QAM	3	1	21.38	21.20	21.27						
1.4	64QAM	3	3	21.36	21.35	21.24						
1.4	64QAM	6	0	20.22	20.22	20.19	21.5	3				

Band 12_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.66	23.72	23.69	24.5	0				
10	QPSK	1	25	23.60	23.64	23.54						
10	QPSK	1	49	23.62	23.43	23.38						
10	QPSK	25	0	22.55	22.60	22.53						
10	QPSK	25	12	22.51	22.52	22.51	23.5	1				
10	QPSK	25	25	22.56	22.56	22.45						
10	QPSK	50	0	22.53	22.58	22.47						
10	16QAM	1	0	22.95	22.63	22.99						
10	16QAM	1	25	22.94	22.60	22.70	23.5					
10	16QAM	1	49	22.99	22.76	22.64						
10	16QAM	25	0	21.52	21.64	21.46						
10	16QAM	25	12	21.43	21.53	21.43						
10	16QAM	25	25	21.60	21.54	21.44	22.5	2				
10	16QAM	50	0	21.56	21.56	21.44						
10	64QAM	1	0	21.75	21.73	21.87						
10	64QAM	1	25	21.85	21.80	21.77						
10	64QAM	1	49	21.71	21.89	21.84	22.5	2				
10	64QAM	25	0	20.53	20.50	20.49						
10	64QAM	25	12	20.58	20.52	20.48						
10	64QAM	25	25	20.51	20.49	20.48						
10	64QAM	50	0	20.53	20.52	20.46	21.5	3				
Channel				23035	23095	23155						
Frequency (MHz)				701.5 <th>707.5</th> <th>713.5</th> <th colspan="3"></th>	707.5	713.5						
5	QPSK	1	0	23.55	23.70	23.57				24.5	0	
5	QPSK	1	12	23.49	23.55	23.49						
5	QPSK	1	24	23.54	23.34	23.28						
5	QPSK	12	0	22.53	22.51	22.50						
5	QPSK	12	7	22.49	22.49	22.37	23.5	1				
5	QPSK	12	13	22.48	22.51	22.31						
5	QPSK	25	0	22.44	22.52	22.42						
5	16QAM	1	0	22.87	22.57	22.90						
5	16QAM	1	12	22.87	22.61	22.67	23.5	1				
5	16QAM	1	24	22.95	22.68	22.82						
5	16QAM	12	0	21.46	21.59	21.41						
5	16QAM	12	7	21.40	21.50	21.30						
5	16QAM	12	13	21.54	21.43	21.29	22.5	2				
5	16QAM	25	0	21.44	21.42	21.37						
5	64QAM	1	0	21.71	21.71	21.81						
5	64QAM	1	12	21.81	21.74	21.74						
5	64QAM	1	24	21.68	21.65	21.71	21.5	3				
5	64QAM	12	0	20.39	20.36	20.30						
5	64QAM	12	7	20.55	20.48	20.45						
5	64QAM	12	13	20.48	20.39	20.48						
5	64QAM	25	0	20.44	20.39	20.42	21.5					
Channel				23025	23095	23165						
Frequency (MHz)				700.5 <th>707.5<th>714.5</th><th colspan="3"></th></th>	707.5 <th>714.5</th> <th colspan="3"></th>	714.5						
3	QPSK	1	0	23.58	23.63	23.68				24.5	0	
3	QPSK	1	8	23.58	23.59	23.44						
3	QPSK	1	14	23.56	23.35	23.37						
3	QPSK	8	0	22.43	22.59	22.48						
3	QPSK	8	4	22.46	22.42	22.45	23.5	1				
3	QPSK	8	7	22.49	22.55	22.43						
3	QPSK	15	0	22.48	22.49	22.40						
3	16QAM	1	0	22.91	22.57	22.96						
3	16QAM	1	8	22.91	22.65	22.68	23.5	1				
3	16QAM	1	14	22.91	22.68	22.56						
3	16QAM	8	0	21.47	21.53	21.43						
3	16QAM	8	4	21.42	21.48	21.30						
3	16QAM	8	7	21.55	21.43	21.41	22.5	2				
3	16QAM	15	0	21.49	21.50	21.39						
3	64QAM	1	0	21.64	21.67	21.81						
3	64QAM	1	8	21.81	21.83	21.74						
3	64QAM	1	14	21.68	21.66	21.83	22.5	2				
3	64QAM	8	0	20.52	20.40	20.43						
3	64QAM	8	4	20.48	20.48	20.34						
3	64QAM	8	7	20.43	20.41	20.43						
3	64QAM	15	0	20.40	20.49	20.35	21.5	3				
Channel				23017	23095	23173						
Frequency (MHz)				699.7 <th>707.5<th>715.3</th><th colspan="3"></th></th>	707.5 <th>715.3</th> <th colspan="3"></th>	715.3						
1.4	QPSK	1	0	23.56	23.60	23.67				24.5	0	
1.4	QPSK	1	3	23.57	23.60	23.40						
1.4	QPSK	1	5	23.51	23.41	23.25						
1.4	QPSK	1	8	23.48	23.46	23.67						
1.4	QPSK	3	1	23.53	23.62	23.48	24.5	0				
1.4	QPSK	3	3	23.57	23.42	23.27						
1.4	QPSK	6	0	22.39	22.47	22.43						
1.4	16QAM	1	0	22.93	22.51	22.88						
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1				
1.4	16QAM	1	5	22.87	22.64	22.52						
1.4	16QAM	3	0	22.98	22.48	22.67						
1.4	16QAM	3	1	22.93	22.59	22.63						
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2				
1.4	16QAM	6	0	21.52	21.51	21.37						
1.4	8QAM	1	0	21.70	21.69	21.79						
1.4	8QAM	1	3	21.74	21.82	21.87						
1.4	8QAM	1	5	21.59	21.58	21.72	22.5	2				
1.4	8QAM	3	0	21.70	21.63	21.79						
1.4	8QAM	3	1	21.73	21.81	21.72						
1.4	8QAM	3	3	21.63	21.54	21.73						
1.4	8QAM	6	0	20.52	20.45	20.44	21.5	3				

Band 66_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				132072	132322	132572							
20	QPSK	1	0	23.40	23.45	23.44	24.5	0					
20	QPSK	1	49	23.34	23.35	23.42							
20	QPSK	1	99	23.12	23.24	23.28							
20	QPSK	50	0	22.36	22.42	22.40							
20	QPSK	50	24	22.30	22.33	22.35	23.5	1					
20	QPSK	50	50	22.26	22.28	22.36							
20	QPSK	100	0	22.32	22.40	22.36							
20	16QAM	1	0	22.59	22.48	22.65							
20	16QAM	1	49	22.64	22.57	22.64	23.5	1					
20	16QAM	1	99	22.42	22.45	22.47							
20	16QAM	50	0	21.28	21.33	21.45							
20	16QAM	50	24	21.29	21.33	21.42							
20	16QAM	50	50	21.23	21.30	21.39	22.5	2					
20	64QAM	1	0	21.40	21.38	21.55							
20	64QAM	1	49	21.40	21.51	21.52							
20	64QAM	1	99	21.31	21.38	21.46							
20	64QAM	50	0	20.30	20.34	20.49	22.5	2					
20	64QAM	50	24	20.32	20.34	20.44							
20	64QAM	50	50	20.27	20.29	20.38							
20	64QAM	100	0	20.25	20.31	20.41							
20	64QAM	100	0	20.25	20.31	20.41	21.5	3					
Channel													
Frequency (MHz)				132047	132322	132597	Tune-up limit (dBm)				MPR (dB)		
15	QPSK	1	0	23.38	23.38	23.39	24.5				0		
15	QPSK	1	37	23.27	23.31	23.31							
15	QPSK	1	74	23.04	23.10	23.15							
15	QPSK	36	0	22.23	22.33	22.26							
15	QPSK	36	20	22.19	22.31	22.33	23.5	1					
15	QPSK	36	39	22.14	22.13	22.23							
15	QPSK	75	0	22.28	22.37	22.23							
15	16QAM	1	0	22.56	22.35	22.53							
15	16QAM	1	37	22.43	22.43	22.58	23.5	1					
15	16QAM	1	74	22.33	22.36	22.46							
15	16QAM	36	0	21.14	21.30	21.44							
15	16QAM	36	20	21.23	21.27	21.33							
15	16QAM	36	39	21.13	21.14	21.26	22.5	2					
15	16QAM	75	0	21.22	21.26	21.38							
15	64QAM	1	0	21.33	21.34	21.52							
15	64QAM	1	37	21.26	21.47	21.38							
15	64QAM	1	74	21.29	21.36	21.33	22.5	2					
15	64QAM	36	0	20.19	20.32	20.43							
15	64QAM	36	20	20.29	20.20	20.38							
15	64QAM	36	39	20.26	20.25	20.24							
15	64QAM	75	0	20.21	20.23	20.33	21.5	3					
Channel													
Frequency (MHz)				132022	132322	132622	Tune-up limit (dBm)				MPR (dB)		
10	QPSK	1	0	23.39	23.31	23.37	24.5				0		
10	QPSK	1	25	23.21	23.33	23.29							
10	QPSK	1	49	23.10	23.14	23.16							
10	QPSK	25	0	22.29	22.37	22.27							
10	QPSK	25	12	22.18	22.22	22.23	23.5	1					
10	QPSK	25	25	22.19	22.25	22.31							
10	QPSK	50	0	22.20	22.30	22.34							
10	16QAM	1	0	22.46	22.34	22.51							
10	16QAM	1	25	22.12	22.28	22.35	23.5	1					
10	16QAM	1	49	22.33	22.42	22.40							
10	16QAM	25	0	21.19	21.24	21.38							
10	16QAM	25	12	21.19	21.28	21.37							
10	16QAM	25	25	21.19	21.26	21.33	22.5	2					
10	16QAM	50	0	21.16	21.22	21.25							
10	64QAM	1	0	21.30	21.23	21.52							
10	64QAM	1	25	21.26	21.41	21.45							
10	64QAM	1	49	21.30	21.27	21.43	22.5	2					
10	64QAM	25	0	20.20	20.32	20.37							
10	64QAM	25	12	20.23	20.29	20.34							
10	64QAM	25	25	20.15	20.21	20.25							
10	64QAM	50	0	20.14	20.28	20.37	21.5	3					
Channel													
Frequency (MHz)				131997	132322	132647	Tune-up limit (dBm)				MPR (dB)		
5	QPSK	1	0	23.35	23.39	23.32	24.5				0		
5	QPSK	1	12	23.29	23.27	23.36							
5	QPSK	1	24	23.00	23.12	23.17							
5	QPSK	12	0	22.24	22.33	22.26							
5	QPSK	12	7	22.21	22.31	22.26	23.5	1					
5	QPSK	12	13	22.11	22.18	22.25							
5	QPSK	25	0	22.17	22.32	22.23							
5	16QAM	1	0	22.54	22.35	22.61							
5	16QAM	1	12	22.59	22.44	22.58	23.5	1					
5	16QAM	1	24	22.37	22.42	22.40							
5	16QAM	12	0	21.25	21.29	21.44							
5	16QAM	12	7	21.24	21.19	21.28							
5	16QAM	12	13	21.24	21.21	21.29	22.5	2					
5	16QAM	25	0	21.21	21.27	21.24							
5	64QAM	1	0	21.26	21.34	21.49							
5	64QAM	1	12	21.27	21.36	21.45							
5	64QAM	1	24	21.30	21.27	21.43	22.5	2					
5	64QAM	12	0	20.20	20.25	20.35							
5	64QAM	12	7	20.29	20.27	20.29							
5	64QAM	12	13	20.21	20.28	20.32							
5	64QAM	25	0	20.10	20.21	20.28	21.5	3					
Channel													
Frequency (MHz)				131987	132322	132657	Tune-up limit (dBm)				MPR (dB)		
3	QPSK	1	0	23.27	23.41	23.40	24.5				0		
3	QPSK	1	8	23.32	23.20	23.38							
3	QPSK	1	16	23.26	23.17	23.32							
3	QPSK	8	0	22.31	22.32	22.34							
3	QPSK	8	4	22.18	22.29	22.34	23.5	1					
3	QPSK	8	7	22.24	22.13	22.35							
3	QPSK	15	0	22.20	22.31	22.22							
3	16QAM	1	0	22.48	22.45	22.54							
3	16QAM	1	8	22.49	22.48	22.51	23.5	1					
3	16QAM	1	16	22.40	22.37	22.48							
3	16QAM	8	0	21.22	21.19	21.39							
3	16QAM	8	4	21.14	21.22	21.37							
3	16QAM	8	7	21.15	21.18	21.32	22.5	2					
3	16QAM	15	0	21.14	21.18	21.33							
3	64QAM	1	0	21.32	21.24	21.49							
3	64QAM	1	8	21.26	21.45	21.43	22.5	2					
3	64QAM	1	16	21.16	21.31	21.45							
3	64QAM	8	0	20.26	20.36	20.47							
3	64QAM	8	4	20.24	20.30	20.33							
3	64QAM	8	7	20.24	20.19	20.33	21.5	3					
3	64QAM	15	0	20.18	20.25	20.36							
Channel													
Frequency (MHz)				131979	1745	1779.3	Tune-up limit (dBm)				MPR (dB)		
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0					
1.4	QPSK	1	3	23.27	23.33	23.38							
1.4	QPSK	1	5	23.04	23.11	23.19							
1.4	QPSK	3	0	23.37	23.41	23.36							
1.4	QPSK	3	1	23.36	23.38	23.39	23.5	1					
1.4	QPSK	3	3	23.07	23.19	23.22							
1.4	QPSK	6	0	22.21	22.34	22.35							
1.4	16QAM	1	0	22.52	22.45	22.63							
1.4	16QAM	1	3	22.58	22.47	22.58	23.5	1					
1.4	16QAM	1	5	22.30	22.41	22.60							
1.4	16QAM	3	0	22.47	22.44	22.65							
1.4	16QAM	3	3	22.36	22.34	22.34							
1.4	16QAM	6	0	21.21	21.18	21.28	22.5	2					
1.4	64QAM	1	0	21.29	21.37	21.42							
1.4	64QAM	1	3	21.25	21.41	21.45							
1.4	64QAM	1	5	21.19	21.29	21.36							
1.4	64QAM	3	0	21.29	21.37	21.53	22.5	2					
1.4	64QAM	3	1	21.36	21.36	21.45							
1.4	64QAM	3	3	21.23	21.37	21.32							
1.4	64QAM	6	0	20.14	20.26	20.31							

LTE Band 71_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				133222	133297	133372				
Frequency (MHz)				673	680.5	688				
20	QPSK	1	0	23.38	23.41	23.46	24.5	0		
20	QPSK	1	49	23.21	23.24	23.20				
20	QPSK	1	99	23.16	23.22	23.22				
20	QPSK	50	0	22.35	22.39	22.29				
20	QPSK	50	24	22.29	22.29	22.25	23.5	1		
20	QPSK	50	50	22.33	22.23	22.24				
20	QPSK	100	0	22.51	22.34	22.26				
20	16QAM	1	0	22.53	22.52	22.53				
20	16QAM	1	49	22.48	22.44	22.48	23.5	1		
20	16QAM	1	99	22.49	22.54	22.56				
20	16QAM	50	0	21.35	21.21	21.23				
20	16QAM	50	24	21.27	21.26	21.27				
20	16QAM	50	50	21.34	21.29	21.25	22.5	2		
20	16QAM	100	0	21.35	21.22	21.25				
20	64QAM	1	0	21.42	21.44	21.46				
20	64QAM	1	49	21.34	21.45	21.35				
20	64QAM	1	99	21.40	21.49	21.51	21.5	3		
20	64QAM	50	0	20.34	20.23	20.22				
20	64QAM	50	24	20.28	20.31	20.29				
20	64QAM	50	50	20.35	20.31	20.27				
20	64QAM	100	0	20.36	20.26	20.24				
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	0	23.20	23.31	23.06	24.5	0		
15	QPSK	1	37	23.12	23.06	23.10				
15	QPSK	1	74	23.11	22.99	23.13				
15	QPSK	36	0	22.26	22.14	22.04				
15	QPSK	36	20	22.07	22.04	22.06	23.5	1		
15	QPSK	36	39	22.29	22.05	22.15				
15	QPSK	75	0	22.22	22.16	22.09				
15	16QAM	1	0	22.26	22.46	22.44				
15	16QAM	1	37	22.25	22.29	22.24	23.5	1		
15	16QAM	1	74	22.39	22.34	22.45				
15	16QAM	36	0	21.12	20.97	21.14				
15	16QAM	36	20	21.08	21.21	21.21				
15	16QAM	36	39	21.09	21.16	21.04	22.5	2		
15	16QAM	75	0	21.29	21.09	21.05				
15	64QAM	1	0	21.22	21.27	21.22				
15	64QAM	1	37	21.19	21.36	21.24				
15	64QAM	1	74	21.30	21.28	21.44	21.5	3		
15	64QAM	36	0	20.15	20.16	20.00				
15	64QAM	36	20	20.17	20.25	20.24				
15	64QAM	36	39	20.24	20.25	20.10				
15	64QAM	75	0	20.27	20.14	20.08				
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				668	680.5	693				
10	QPSK	1	0	23.28	23.16	23.17	24.5	0		
10	QPSK	1	25	23.03	23.16	23.07				
10	QPSK	1	49	22.96	23.00	23.08				
10	QPSK	25	0	22.30	22.15	22.16				
10	QPSK	25	12	22.21	22.07	22.06	23.5	1		
10	QPSK	25	25	22.18	21.98	21.99				
10	QPSK	50	0	22.25	22.19	22.02				
10	16QAM	1	0	22.37	22.43	22.41				
10	16QAM	1	25	22.26	22.31	22.28	23.5	1		
10	16QAM	1	49	22.39	22.31	22.46				
10	16QAM	25	0	21.16	21.05	21.03				
10	16QAM	25	12	21.14	21.20	21.19				
10	16QAM	25	25	21.13	21.22	21.10	22.5	2		
10	16QAM	50	0	21.29	21.03	21.06				
10	64QAM	1	0	21.35	21.32	21.34				
10	64QAM	1	25	21.16	21.36	21.12				
10	64QAM	1	49	21.23	21.26	21.43	22.5	2		
10	64QAM	25	0	20.20	20.18	20.11				
10	64QAM	25	12	20.03	20.10	20.21				
10	64QAM	25	25	20.24	20.19	20.08				
10	64QAM	50	0	20.21	20.18	20.06				
Channel				133147	133297	133447	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	0	23.27	23.35	23.10	24.5	0		
5	QPSK	1	12	23.04	23.09	23.00				
5	QPSK	1	24	23.02	23.09	23.02				
5	QPSK	12	0	22.22	22.30	22.09				
5	QPSK	12	7	22.21	22.20	22.09	23.5	1		
5	QPSK	12	13	22.12	22.11	22.10				
5	QPSK	25	0	22.26	22.12	22.07				
5	16QAM	1	0	22.34	22.33	22.36				
5	16QAM	1	12	22.30	22.36	22.43	23.5	1		
5	16QAM	1	24	22.29	22.36	22.42				
5	16QAM	12	0	21.29	20.98	21.18				
5	16QAM	12	7	21.07	21.18	21.18				
5	16QAM	12	13	21.26	21.16	21.01	22.5	2		
5	16QAM	25	0	21.15	21.05	21.09				
5	64QAM	1	0	21.24	21.20	21.33				
5	64QAM	1	12	21.20	21.30	21.17				
5	64QAM	1	24	21.31	21.29	21.36	22.5	2		
5	64QAM	12	0	20.10	20.17	20.13				
5	64QAM	12	7	20.15	20.18	20.10				
5	64QAM	12	13	20.20	20.06	20.22				
5	64QAM	25	0	20.19	20.18	20.08				

LTE Band 71_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				133222	133297	133272						
Frequency (MHz)				673	680.5	688						
20	QPSK	1	0	23.62	23.69	23.55	24.5	0				
20	QPSK	1	49	23.49	23.50	23.53						
20	QPSK	1	99	23.58	23.59	23.47						
20	QPSK	50	0	22.69	22.71	22.57						
20	QPSK	50	24	22.64	22.63	22.53	23.5	1				
20	QPSK	50	50	22.61	22.64	22.55						
20	QPSK	100	0	22.61	22.69	22.53						
20	16QAM	1	0	22.65	22.62	22.64						
20	16QAM	1	49	22.62	22.68	22.74	23.5	1				
20	16QAM	1	99	22.77	22.79	22.69						
20	16QAM	50	0	21.75	21.62	21.52						
20	16QAM	50	24	21.63	21.59	21.59						
20	16QAM	50	50	21.65	21.62	21.54	22.5	2				
20	16QAM	100	0	21.65	21.57	21.52						
20	64QAM	1	0	21.69	21.73	21.73						
20	64QAM	1	49	21.67	21.71	21.66						
20	64QAM	1	99	21.63	21.72	21.62	22.5	2				
20	64QAM	50	0	20.68	20.62	20.51						
20	64QAM	50	24	20.66	20.64	20.61						
20	64QAM	50	50	20.69	20.64	20.58						
20	64QAM	100	0	20.64	20.64	20.55						
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				670.5	680.5	690.5						
15	QPSK	1	0	23.51	23.45	23.48	24.5	0				
15	QPSK	1	37	23.36	23.33	23.48						
15	QPSK	1	74	23.50	23.51	23.25						
15	QPSK	36	0	22.60	22.54	22.52						
15	QPSK	36	20	22.48	22.45	22.30	23.5	1				
15	QPSK	36	39	22.44	22.54	22.41						
15	QPSK	75	0	22.43	22.60	22.42						
15	16QAM	1	0	22.64	22.79	22.79						
15	16QAM	1	37	22.76	22.69	22.50	23.5	1				
15	16QAM	1	74	22.53	22.66	22.46						
15	16QAM	36	0	21.57	21.49	21.35						
15	16QAM	36	20	21.46	21.54	21.47						
15	16QAM	36	39	21.51	21.56	21.41	22.5	2				
15	16QAM	75	0	21.46	21.42	21.30						
15	64QAM	1	0	21.60	21.62	21.61						
15	64QAM	1	37	21.62	21.56	21.53						
15	64QAM	1	74	21.54	21.63	21.51	21.5	3				
15	64QAM	36	0	20.44	20.37	20.44						
15	64QAM	36	20	20.50	20.54	20.50						
15	64QAM	36	39	20.53	20.43	20.39						
15	64QAM	75	0	20.52	20.41	20.35						
Channel				133172	133297	133427	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				668	680.5	693						
10	QPSK	1	0	23.66	23.47	23.48	24.5	0				
10	QPSK	1	24	23.37	23.34	23.42						
10	QPSK	1	49	23.34	23.51	23.27						
10	QPSK	20	0	22.51	22.63	22.40						
10	QPSK	20	12	22.48	22.41	22.46	23.5	1				
10	QPSK	25	25	22.36	22.45	22.35						
10	QPSK	50	0	22.41	22.47	22.44						
10	16QAM	1	0	22.79	22.69	22.57						
10	16QAM	1	25	22.73	22.70	22.57	23.5	1				
10	16QAM	1	49	22.68	22.74	22.48						
10	16QAM	20	0	21.52	21.53	21.36						
10	16QAM	20	12	21.43	21.36	21.39						
10	16QAM	25	25	21.53	21.54	21.40	22.5	2				
10	16QAM	50	0	21.59	21.49	21.32						
10	64QAM	1	0	21.56	21.58	21.62						
10	64QAM	1	25	21.73	21.64	21.50						
10	64QAM	1	49	21.68	21.61	21.56	22.5	2				
10	64QAM	20	0	20.54	20.39	20.35						
10	64QAM	20	12	20.41	20.42	20.50						
10	64QAM	25	25	20.50	20.50	20.44						
10	64QAM	50	0	20.64	20.46	20.49	21.5	3				
Channel				133147	133297	133447				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5						
5	QPSK	1	0	23.53	23.56	23.34				24.5	0	
5	QPSK	1	12	23.43	23.45	23.48						
5	QPSK	1	24	23.43	23.43	23.42						
5	QPSK	12	0	22.44	22.47	22.44						
5	QPSK	12	7	22.44	22.47	22.44	23.5	1				
5	QPSK	12	13	22.41	22.93	22.27						
5	QPSK	25	0	22.42	22.63	22.39						
5	16QAM	1	0	22.76	22.76	22.60						
5	16QAM	1	12	22.68	22.78	22.62	23.5	1				
5	16QAM	1	24	22.71	22.54	22.47						
5	16QAM	12	0	21.69	21.48	21.46						
5	16QAM	12	7	21.46	21.53	21.47						
5	16QAM	12	13	21.60	21.50	21.43	22.5	2				
5	16QAM	25	0	21.49	21.48	21.39						
5	64QAM	1	0	21.60	21.59	21.50						
5	64QAM	1	12	21.74	21.46	21.52						
5	64QAM	1	24	21.51	21.56	21.46	22.5	2				
5	64QAM	12	0	20.63	20.47	20.35						
5	64QAM	12	7	20.66	20.56	20.37						
5	64QAM	12	13	20.44	20.50	20.35						
5	64QAM	25	0	20.57	20.58	20.47	21.5	3				

Band 41_Ant 1																
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-on time (s)	APRS (dB)						
Channel																
Frequency (MHz)				36750	40165	40600	41005	41400								
20	QPSK	1	5	19.80	19.86	19.90	19.91	19.96								
20	QPSK	1	49	19.80	19.88	19.93	19.87	19.93								
20	QPSK	1	96	19.87	19.92	19.90	19.87	19.93								
20	QPSK	50	5	19.84	19.74	19.94	19.92	19.90								
20	QPSK	50	24	19.85	19.86	19.93	19.86	19.93								
20	QPSK	100	5	19.84	19.88	19.92	19.82	19.78								
20	QPSK	1	5	19.80	19.80	19.97	19.93	19.70								
20	QPSK	1	49	19.85	19.83	19.93	19.92	19.90								
20	QPSK	1	96	19.86	19.83	19.92	19.84	19.94								
20	QPSK	50	5	19.80	19.80	19.94	19.87	19.90								
20	QPSK	50	24	19.74	19.81	19.18	19.85	19.77								
20	QPSK	50	36	19.80	19.81	19.90	19.82	19.18								
20	QPSK	100	5	19.80	19.92	19.91	19.97	19.77								
20	QPSK	1	5	19.78	19.77	19.93	19.92	19.93								
20	QPSK	1	96	19.76	19.85	19.18	19.71	19.12								
20	QPSK	50	5	19.75	19.81	19.90	19.80	19.80								
20	QPSK	50	24	19.74	19.81	19.18	19.85	19.77								
20	QPSK	50	36	19.80	19.81	19.90	19.82	19.18								
20	QPSK	100	5	19.80	19.92	19.91	19.97	19.77								
20	QPSK	1	5	19.78	19.77	19.93	19.92	19.93								
20	QPSK	1	96	19.76	19.85	19.18	19.71	19.12								
20	QPSK	50	5	19.75	19.81	19.90	19.80	19.80								
20	QPSK	50	24	19.74	19.81	19.18	19.85	19.77								
20	QPSK	50	36	19.80	19.81	19.90	19.82	19.18								
20	QPSK	100	5	19.80	19.92	19.91	19.97	19.77								
Channel				36750	40172.5	40600	41007.5	41410	Turn-on time (s)	APRS (dB)						
Frequency (MHz)				2500.5	2448.25	2500	2507.75	2500.5								
15	QPSK	1	5	19.80	19.92	19.93	19.86	19.91								
15	QPSK	1	37	19.87	19.73	19.90	19.84	19.15								
15	QPSK	1	74	19.80	19.90	19.18	19.88	19.88								
15	QPSK	36	5	19.87	19.84	19.90	19.85	19.91								
15	QPSK	36	20	19.74	19.73	19.93	19.70	19.93								
15	QPSK	36	30	19.74	19.75	19.18	19.84	19.11								
15	QPSK	75	5	19.73	19.81	19.92	19.87	19.90								
15	QPSK	1	5	19.76	19.74	19.90	19.80	19.73								
15	QPSK	1	37	19.81	19.84	19.90	19.80	19.77								
15	QPSK	1	74	19.80	19.92	19.93	19.86	19.91								
15	QPSK	36	5	19.83	19.87	19.90	19.76	19.91								
15	QPSK	36	20	19.67	19.84	19.90	19.70	19.88								
15	QPSK	36	30	19.76	19.73	19.14	19.84	19.94								
15	QPSK	75	5	19.84	19.89	19.19	19.83	19.18								
15	QPSK	1	5	19.73	19.67	19.90	19.76	19.70								
15	QPSK	1	37	19.72	19.75	19.92	19.87	19.90								
15	QPSK	1	74	19.68	19.78	19.90	19.61	19.10								
15	QPSK	36	5	19.73	19.73	19.90	19.81	19.84								
15	QPSK	36	20	19.68	19.14	19.11	19.77	19.14								
15	QPSK	36	30	19.83	19.81	19.84	19.72	19.68								
15	QPSK	75	5	19.80	19.80	19.97	19.82	19.90								
Channel				36750	40165	40600	41005	41400	Turn-on time (s)	APRS (dB)						
Frequency (MHz)				2500.5	2447.75	2500	2507.75	2500.5 <td colspan="5"></td>								
10	QPSK	1	5	19.89	19.89	19.94	19.96	19.95								
10	QPSK	1	25	19.91	19.76	19.16	19.86	19.16								
10	QPSK	1	49	19.73	19.85	19.97	19.90	19.90								
10	QPSK	25	5	19.81	19.80	19.91	19.92	19.18								
10	QPSK	25	12	19.91	19.86	19.90	19.86	19.93								
10	QPSK	25	24	19.83	19.72	19.94	19.81	19.92								
10	QPSK	50	5	19.80	19.80	19.90	19.74	19.12								
10	QPSK	50	12	19.80	19.80	19.94	19.76	19.14								
10	QPSK	1	25	19.73	19.81	19.90	19.76	19.93								
10	QPSK	1	49	19.86	19.92	19.90	19.74	19.88								
10	QPSK	25	5	19.80	19.84	19.93	19.80	19.10								
10	QPSK	25	12	19.89	19.81	19.97	19.70	19.10								
10	QPSK	50	5	19.82	19.68	19.90	19.83	19.83								
10	QPSK	50	12	19.73	19.84	19.90	19.84	19.13								
10	QPSK	1	5	19.71	19.58	19.90	19.80	19.14								
10	QPSK	1	25	19.67	19.71	19.90	19.78	19.85								
10	QPSK	1	49	19.83	19.82	19.15	19.80	19.11								
10	QPSK	25	5	19.89	19.78	19.94	19.77	19.80								
10	QPSK	25	12	19.67	19.73	19.93	19.84	19.91								
10	QPSK	25	24	19.73	19.83	19.93	19.68	19.10								
10	QPSK	50	5	19.77	19.80	19.17	19.86	19.97								
Channel				36975	40147.5	40600	41002.5	41385 <th>Turn-on time (s)</th> <th>APRS (dB)</th> <th colspan="3" rowspan="22"></th>	Turn-on time (s)	APRS (dB)						
Frequency (MHz)				2490.5	2447.5	2490	2497.5	2490.5 <td colspan="5"></td>								
5	QPSK	1	5	19.83	19.86	19.93	19.97	19.91								
5	QPSK	1	12	19.77	19.76	19.14	19.74	19.17								
5	QPSK	1	24	19.83	19.80	19.90	19.82	19.90								
5	QPSK	1	5	19.85	19.86	19.94	19.84	19.90								
5	QPSK	12	7	19.72	19.90	19.92	19.85	19.19								
5	QPSK	12	19	19.84	19.79	19.21	19.80	19.86								
5	QPSK	25	5	19.74	19.83	19.17	19.74	19.14								
5	QPSK	1	5	19.82	19.88	19.92	19.89	19.18								
5	QPSK	1	12	19.80	19.86	19.90	19.81	19.97								
5	QPSK	1	24	19.86	19.88	19.15	19.72	19.90								
5	QPSK	12	5	19.78	19.83	19.90	19.88	19.18								
5	QPSK	12	7	19.80	19.81	19.91	19.70	19.10								
5	QPSK	12	13	19.81	19.79	19.93	19.84	19.91								
5	QPSK	25	5	19.70	19.79	19.18	19.94	19.10								
5	QPSK	1	5	19.88	19.91	19.70	19.82	19.90								
5	QPSK	1	12	19.80	19.70	19.90	19.90	19.90								
5	QPSK	1	24	19.86	19.71	19.90	19.89	19.91								
5	QPSK	12	5	19.85	19.86	19.90	19.80	19.90								
5	QPSK	12	7	19.80	19.80	19.93	19.84	19.10								
5	QPSK	12	13	19.81	19.79	19.93	19.88	19.90								
5	QPSK	25	5	19.80	19.77	19.90	19.88	19.90								

[illegible]

Reduced Power Mode for ECI 15

Band 2_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				18700	18800	19100					
20	QPSK	1	0	20.81	20.90	20.83	22	0			
20	QPSK	1	49	20.69	20.76	20.68					
20	QPSK	1	99	20.78	20.82	20.72	22	0			
20	QPSK	50	0	20.77	20.88	20.52					
20	QPSK	50	24	20.66	20.82	20.76	22	0			
20	QPSK	50	50	20.75	20.75	20.73					
20	QPSK	100	0	20.68	20.75	20.72	22	0			
20	16QAM	1	0	20.71	20.76	20.68					
20	16QAM	1	49	20.69	20.81	20.72	22	0			
20	16QAM	1	99	20.67	20.77	20.81					
20	16QAM	50	0	20.73	20.88	20.77	22	0			
20	16QAM	50	24	20.73	20.78	20.73					
20	16QAM	50	50	20.76	20.75	20.82	22	0			
20	16QAM	100	0	20.76	20.78	20.72					
20	64QAM	1	0	20.76	20.85	20.72	22	0			
20	64QAM	1	49	20.67	20.85	20.77					
20	64QAM	1	99	20.76	20.81	20.75	21.5	0.5			
20	64QAM	50	0	20.40	20.37	20.40					
20	64QAM	50	24	20.39	20.41	20.36					
20	64QAM	50	50	20.35	20.37	20.33					
20	64QAM	100	0	20.37	20.36	20.34					
Channel											
Frequency (MHz)				1867.5	1880	1912.5	Turn-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	20.78	20.78	20.75	22	0			
15	QPSK	1	37	20.82	20.81	20.84					
15	QPSK	1	74	20.77	20.70	20.59	22	0			
15	QPSK	36	0	20.73	20.74	20.74					
15	QPSK	36	20	20.54	20.69	20.73	22	0			
15	QPSK	36	39	20.85	20.83	20.87					
15	QPSK	75	0	20.53	20.61	20.71	22	0			
15	16QAM	1	0	20.65	20.73	20.55					
15	16QAM	1	37	20.57	20.68	20.66	22	0			
15	16QAM	1	74	20.66	20.76	20.78					
15	16QAM	36	0	20.68	20.74	20.63	22	0			
15	16QAM	36	20	20.60	20.67	20.61					
15	16QAM	36	39	20.73	20.61	20.76	22	0			
15	16QAM	75	0	20.64	20.74	20.66					
15	64QAM	1	0	20.68	20.82	20.59	22	0			
15	64QAM	1	37	20.55	20.76	20.68					
15	64QAM	1	74	20.67	20.79	20.62	21.5	0.5			
15	64QAM	36	0	20.35	20.30	20.26					
15	64QAM	36	20	20.38	20.32	20.27					
15	64QAM	36	39	20.31	20.22	20.24					
15	64QAM	75	0	20.27	20.31	20.24					
Channel											
Frequency (MHz)				1865.0	1880	1915.0	Turn-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	20.69	20.89	20.82	22	0			
10	QPSK	1	25	20.57	20.69	20.61					
10	QPSK	1	49	20.71	20.79	20.63	22	0			
10	QPSK	25	0	20.62	20.81	20.77					
10	QPSK	25	12	20.61	20.69	20.75	22	0			
10	QPSK	25	25	20.63	20.62	20.61					
10	QPSK	50	0	20.55	20.69	20.67	22	0			
10	16QAM	1	0	20.70	20.87	20.67					
10	16QAM	1	25	20.61	20.66	20.66	22	0			
10	16QAM	1	49	20.63	20.79	20.76					
10	16QAM	25	0	20.58	20.84	20.74	22	0			
10	16QAM	25	12	20.62	20.73	20.68					
10	16QAM	25	25	20.73	20.66	20.78	22	0			
10	16QAM	50	0	20.67	20.63	20.71					
10	64QAM	1	0	20.67	20.75	20.68	22	0			
10	64QAM	1	25	20.58	20.76	20.70					
10	64QAM	1	49	20.64	20.70	20.70	21.5	0.5			
10	64QAM	25	0	20.27	20.39	20.33					
10	64QAM	25	12	20.26	20.34	20.21					
10	64QAM	25	25	20.25	20.20	20.23					
10	64QAM	50	0	20.28	20.36	20.20					
Channel											
Frequency (MHz)				1862.5	1880	1917.5	Turn-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	20.79	20.83	20.78	22	0			
5	QPSK	1	12	20.62	20.66	20.67					
5	QPSK	1	24	20.69	20.81	20.62	22	0			
5	QPSK	12	0	20.65	20.82	20.80					
5	QPSK	12	7	20.58	20.79	20.75	22	0			
5	QPSK	12	13	20.60	20.64	20.66					
5	QPSK	25	0	20.62	20.67	20.65	22	0			
5	16QAM	1	0	20.69	20.72	20.60					
5	16QAM	1	12	20.66	20.72	20.65	22	0			
5	16QAM	1	24	20.63	20.63	20.68					
5	16QAM	12	0	20.61	20.84	20.65	22	0			
5	16QAM	12	7	20.63	20.71	20.60					
5	16QAM	12	13	20.68	20.68	20.73	22	0			
5	16QAM	25	0	20.63	20.64	20.68					
5	64QAM	1	0	20.63	20.74	20.58	22	0			
5	64QAM	1	12	20.65	20.80	20.65					
5	64QAM	1	24	20.65	20.70	20.63	21.5	0.5			
5	64QAM	12	0	20.33	20.37	20.25					
5	64QAM	12	7	20.40	20.29	20.23					
5	64QAM	12	13	20.30	20.29	20.30					
5	64QAM	25	0	20.32	20.27	20.21					
Channel											
Frequency (MHz)				1851.5	1880	1903.5	Turn-up limit (dBm)	MPR (dB)			
3	QPSK	1	0	20.74	20.80	20.76	22	0			
3	QPSK	1	8	20.54	20.61	20.64					
3	QPSK	1	14	20.68	20.87	20.66	22	0			
3	QPSK	8	0	20.72	20.86	20.69					
3	QPSK	8	4	20.80	20.63	20.63	22	0			
3	QPSK	8	7	20.72	20.63	20.71					
3	QPSK	15	0	20.62	20.65	20.67	22	0			
3	16QAM	1	0	20.70	20.68	20.60					
3	16QAM	1	8	20.61	20.72	20.68	22	0			
3	16QAM	1	14	20.55	20.67	20.74					
3	16QAM	8	0	20.72	20.84	20.65	22	0			
3	16QAM	8	4	20.71	20.65	20.66					
3	16QAM	8	7	20.61	20.67	20.68	22	0			
3	16QAM	15	0	20.70	20.66	20.65					
3	64QAM	1	0	20.72	20.76	20.71	21.5	0.5			
3	64QAM	1	8	20.54	20.61	20.63					
3	64QAM	1	14	20.66	20.68	20.74					
3	64QAM	8	0	20.31	20.31	20.39					
3	64QAM	8	4	20.31	20.30	20.28	21.5	0.5			
3	64QAM	8	7	20.36	20.25	20.18					
3	64QAM	15	0	20.28	20.33	20.33					
Channel											
Frequency (MHz)				1860.7	1880	1919.3	Turn-up limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	20.78	20.76	20.72	22	0			
1.4	QPSK	1	3	20.55	20.66	20.52					
1.4	QPSK	1	5	20.67	20.74	20.58	22	0			
1.4	QPSK	3	0	20.73	20.88	20.73					
1.4	QPSK	3	1	20.63	20.78	20.62	22	0			
1.4	QPSK	3	3	20.70	20.64	20.68					
1.4	QPSK	3	5	20.66	20.73	20.67	22	0			
1.4	16QAM	1	0	20.64	20.62	20.65					
1.4	16QAM	1	3	20.59	20.68	20.63	22	0			
1.4	16QAM	1	5	20.61	20.66	20.79					
1.4	16QAM	3	0	20.69	20.78	20.75	22	0			
1.4	16QAM	3	1	20.67	20.72	20.61					
1.4	16QAM	3	3	20.63	20.70	20.64	22	0			
1.4	16QAM	3	5	20.66	20.73	20.64					
1.4	64QAM	1	0	20.64	20.76	20.57	22	0			
1.4	64QAM	1	3	20.63	20.83	20.76					
1.4	64QAM	1	5	20.73	20.75	20.64	22	0			
1.4	64QAM	3	0	20.68	20.73	20.60					
1.4	64QAM	3	1	20.68	20.70	20.65	22	0			
1.4	64QAM	3	3	20.68	20.68	20.64					
1.4	64QAM	6	0	20.35	20.31	20.30	21.5	0.5			

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20050	20175	20300				
1720				1732.5	1745					
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.26				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.26	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.29	22.26	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.20	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	22.5	2		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.21	20.19	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel										
Frequency (MHz)				20025	20175	20325	Turn-up limit (dBm)	MPR (dB)		
1717.5				1732.5	1747.5					
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	21.5	3		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.27				
15	64QAM	36	20	20.28	20.19	20.28	21.5	3		
15	64QAM	36	39	20.11	20.05	20.21				
15	64QAM	75	0	20.20	20.08	20.20				
Channel										
Frequency (MHz)				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)		
1715				1732.5	1750					
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.13				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.11	22.10				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	25	0	22.27	22.24	22.27	22.5	2		
10	16QAM	25	12	22.18	22.19	22.17				
10	16QAM	25	12	21.15	21.08	21.17				
10	16QAM	25	25	21.07	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.29	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.25	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel										
Frequency (MHz)				19975	20175	20375	Turn-up limit (dBm)	MPR (dB)		
1712.5				1732.5	1752.5					
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	0	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.11	20.23	21.5	3		
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.11	20.11	20.23				
Channel										
Frequency (MHz)				19995	20175	20395	Turn-up limit (dBm)	MPR (dB)		
1710.7				1732.5	1754.3					
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.97	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.18	22.12				
3	QPSK	8	7	22.19	22.16	22.12				
3	QPSK	15	0	22.09	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.46	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.06	21.12				
3	16QAM	1	0	21.30	21.43	21.28				
3	64QAM	1	0	21.36	21.29	21.36	22.5	2		
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.18	20.15	20.13				
3	64QAM	8	4	20.12	20.13	20.13	21.5	3		
3	64QAM	8	7	20.07	20.04	20.18				
3	64QAM	15	0	20.08	20.08	20.10				
Channel										
Frequency (MHz)				19997	20175	20399	Turn-up limit (dBm)	MPR (dB)		
1710.7				1732.5	1754.3					
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	5	22.98	23.12	23.18				
1.4	QPSK	3	0	23.14	23.25	23.25				
1.4	QPSK	3	1	23.07	23.24	23.19	23.5	1		
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.23	22.12				
1.4	16QAM	1	0	22.40	22.39	22.36	22.5	1		
1.4	16QAM	1	5	22.40	22.35	22.45				
1.4	16QAM	3	0	22.38	22.39	22.46				
1.4	16QAM	1	1	22.51	22.40	22.47	22.5	2		
1.4	16QAM	3	1	22.43	22.38	22.49				
1.4	16QAM	6	0	21.21	21.14	21.14				
1.4	64QAM	1	0	21.33	21.38	21.36	22.5	2		
1.4	64QAM	1	3	21.29	21.37	21.41				
1.4	64QAM	1	5	21.16	21.13	21.36				
1.4	64QAM	3	0	21.22	21.43	21.28	21.5	3		
1.4	64QAM	3	1	21.48	21.11	21.35				
1.4	64QAM	3	3	21.21	21.17	21.35				
1.4	64QAM	6	0	20.16	20.11	20.22				

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.78	23.87	23.86	25	0		
10	QPSK	1	25	23.69	23.74	23.53				
10	QPSK	1	49	23.70	23.82	23.74				
10	QPSK	25	0	22.54	22.77	22.77	24	1		
10	QPSK	25	12	22.63	22.67	22.72				
10	QPSK	25	25	22.63	22.69	22.70				
10	QPSK	50	0	22.67	22.75	22.73	24	1		
10	16QAM	1	0	22.74	22.93	22.97				
10	16QAM	1	25	22.74	22.74	23.02				
10	16QAM	1	49	22.71	23.00	22.97	23	2		
10	16QAM	25	0	21.68	21.63	21.74				
10	16QAM	25	12	21.80	21.71	21.69				
10	16QAM	25	25	21.80	21.78	21.71	23	2		
10	16QAM	50	0	21.62	21.73	21.71				
10	64QAM	1	0	21.93	22.06	21.96				
10	64QAM	1	25	21.85	21.77	21.95	23	2		
10	64QAM	1	49	21.84	21.98	21.81				
10	64QAM	25	0	20.80	20.73	20.68				
10	64QAM	25	12	20.52	20.62	20.69	22	3		
10	64QAM	25	25	20.66	20.68	20.81				
10	64QAM	50	0	20.63	20.68	20.74				
Channel				20505	20580	20655				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.75	23.85	23.83	25	0		
5	QPSK	1	12	23.54	23.73	23.39				
5	QPSK	1	24	23.85	23.77	23.62				
5	QPSK	12	0	22.60	22.72	22.61	24	1		
5	QPSK	12	7	22.51	22.56	22.71				
5	QPSK	12	13	22.55	22.62	22.62				
5	QPSK	25	0	22.56	22.62	22.66	24	1		
5	16QAM	1	0	22.67	22.80	22.91				
5	16QAM	1	12	22.61	22.62	22.93				
5	16QAM	1	24	22.67	22.90	22.86	23	2		
5	16QAM	12	0	21.85	21.54	21.72				
5	16QAM	12	7	21.56	21.64	21.65				
5	16QAM	12	13	21.57	21.73	21.70	23	2		
5	16QAM	25	0	21.61	21.66	21.58				
5	64QAM	1	0	21.89	22.01	21.87				
5	64QAM	1	12	21.75	21.69	21.94	23	2		
5	64QAM	1	24	21.72	21.93	21.76				
5	64QAM	12	0	20.49	20.67	20.60				
5	64QAM	12	7	20.46	20.50	20.58	22	3		
5	64QAM	12	13	20.57	20.55	20.72				
5	64QAM	25	0	20.68	20.62	20.74				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.81	23.76	25	0		
3	QPSK	1	8	23.52	23.66	23.39				
3	QPSK	1	14	23.61	23.69	23.70				
3	QPSK	8	0	22.57	22.76	22.71	24	1		
3	QPSK	8	4	22.62	22.59	22.69				
3	QPSK	8	7	22.60	22.61	22.69				
3	QPSK	15	0	22.59	22.73	22.64	24	1		
3	16QAM	1	0	22.62	22.89	22.88				
3	16QAM	1	8	22.72	22.68	22.97				
3	16QAM	1	14	22.66	22.86	22.91	23	2		
3	16QAM	8	0	21.65	21.57	21.63				
3	16QAM	8	4	21.48	21.63	21.63				
3	16QAM	8	7	21.59	21.64	21.64	23	2		
3	16QAM	15	0	21.53	21.61	21.56				
3	64QAM	1	0	21.80	21.95	21.95				
3	64QAM	1	8	21.76	21.69	21.66	23	2		
3	64QAM	1	14	21.70	21.85	21.70				
3	64QAM	8	0	20.49	20.66	20.51				
3	64QAM	8	4	20.42	20.48	20.57	22	3		
3	64QAM	8	7	20.63	20.65	20.73				
3	64QAM	15	0	20.68	20.59	20.65				
Channel				20407	20525	20543				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.69	23.72	23.84	25	0		
1.4	QPSK	1	3	23.51	23.71	23.45				
1.4	QPSK	1	5	23.57	23.77	23.65				
1.4	QPSK	3	0	23.71	23.80	23.85	24	1		
1.4	QPSK	3	1	23.63	23.68	23.45				
1.4	QPSK	3	3	23.69	23.70	23.73				
1.4	QPSK	6	0	22.58	22.61	22.65	24	1		
1.4	16QAM	1	0	22.73	22.91	22.88				
1.4	16QAM	1	3	22.64	22.59	23.00				
1.4	16QAM	1	5	22.66	22.86	22.84	24	1		
1.4	16QAM	3	0	22.73	22.86	22.87				
1.4	16QAM	3	1	22.64	22.71	23.01				
1.4	16QAM	3	3	22.59	22.88	22.86	23	2		
1.4	16QAM	6	0	21.57	21.64	21.67				
1.4	64QAM	1	0	21.92	21.93	21.87				
1.4	64QAM	1	3	21.82	21.73	21.92	23	2		
1.4	64QAM	1	5	21.80	21.92	21.80				
1.4	64QAM	3	0	21.49	21.75	21.69				
1.4	64QAM	3	1	21.53	21.69	21.70	22	3		
1.4	64QAM	3	3	21.36	21.69	21.97				
1.4	64QAM	6	0	20.60	20.59	20.77				

Band 5_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.63	23.66	23.64	25	0		
10	QPSK	1	25	23.49	23.44	23.50				
10	QPSK	1	49	23.47	23.81	23.57				
10	QPSK	25	0	22.50	22.55	22.50	24	1		
10	QPSK	25	12	22.54	22.49	22.50				
10	QPSK	25	25	22.55	22.56	22.47				
10	QPSK	50	0	22.56	22.60	22.52	24	1		
10	16QAM	1	0	22.85	23.05	22.89				
10	16QAM	1	25	22.71	22.81	23.01				
10	16QAM	1	49	22.88	22.87	22.93	23	2		
10	16QAM	25	0	21.57	21.47	21.60				
10	16QAM	25	12	21.62	21.42	21.64				
10	16QAM	25	25	21.61	21.48	21.62	23	2		
10	16QAM	50	0	21.61	21.46	21.61				
10	64QAM	1	0	21.75	21.87	21.80	23	2		
10	64QAM	1	25	21.78	21.60	21.68				
10	64QAM	1	49	21.62	21.71	21.86				
10	64QAM	25	0	20.50	20.53	20.61	22	3		
10	64QAM	25	12	20.48	20.46	20.48				
10	64QAM	25	25	20.52	20.58	20.52				
10	64QAM	50	0	20.51	20.51	20.61				
Channel				20425	20505	20525				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.51	23.64	23.58	24	1		
5	QPSK	1	12	23.41	23.42	23.42				
5	QPSK	1	24	23.32	23.28	23.42				
5	QPSK	12	0	22.48	22.58	22.62	24	1		
5	QPSK	12	7	22.52	22.46	22.45				
5	QPSK	12	13	22.40	22.54	22.33				
5	QPSK	25	0	22.54	22.57	22.48	24	1		
5	16QAM	1	0	22.84	23.03	22.88				
5	16QAM	1	12	22.96	22.71	22.90				
5	16QAM	1	24	22.80	22.84	22.92	23	2		
5	16QAM	12	0	21.49	21.46	21.51				
5	16QAM	12	7	21.58	21.30	21.53				
5	16QAM	12	13	21.53	21.41	21.61	22	3		
5	16QAM	25	0	21.58	21.39	21.48				
5	16QAM	1	0	21.63	21.57	21.65				
5	64QAM	1	12	21.61	21.56	21.64	22	2		
5	64QAM	1	24	21.48	21.59	21.85				
5	64QAM	12	0	20.40	20.40	20.48				
5	64QAM	12	7	20.34	20.36	20.36	22	3		
5	64QAM	12	13	20.40	20.56	20.41				
5	64QAM	25	0	20.42	20.50	20.55				
Channel				20415	20525	20630				
Frequency (MHz)				824.5	836.5	848.5				
3	QPSK	1	0	23.54	23.64	23.45	25	0		
3	QPSK	1	8	23.35	23.41	23.40				
3	QPSK	1	14	23.44	23.53	23.48				
3	QPSK	8	0	22.53	22.61	22.42	24	1		
3	QPSK	8	4	22.43	22.44	22.40				
3	QPSK	8	7	22.41	22.52	22.40				
3	QPSK	15	0	22.54	22.56	22.44	23	2		
3	16QAM	1	8	22.80	22.93	22.73				
3	16QAM	1	8	22.70	22.76	22.89				
3	16QAM	1	14	22.77	22.83	22.83	23	2		
3	16QAM	8	0	21.53	21.37	21.46				
3	16QAM	8	4	21.57	21.39	21.53				
3	16QAM	8	7	21.53	21.37	21.56	22	3		
3	16QAM	15	0	21.59	21.51	21.67				
3	64QAM	1	0	21.63	21.78	21.79				
3	64QAM	1	8	21.65	21.53	21.55	22	2		
3	64QAM	1	14	21.55	21.61	21.80				
3	64QAM	8	0	20.49	20.41	20.60				
3	64QAM	8	4	20.36	20.44	20.36	22	3		
3	64QAM	8	7	20.38	20.46	20.40				
3	64QAM	15	0	20.43	20.42	20.48				
Channel				20407	20525	20563				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.57	23.56	23.57	25	0		
1.4	QPSK	1	3	23.46	23.42	23.50				
1.4	QPSK	1	5	23.37	23.51	23.43				
1.4	QPSK	3	0	23.54	23.60	23.54	24	1		
1.4	QPSK	3	1	23.45	23.29	23.49				
1.4	QPSK	3	6	23.46	23.45	23.48				
1.4	QPSK	3	0	22.43	22.47	22.48	23	2		
1.4	16QAM	1	0	22.78	22.99	22.67				
1.4	16QAM	1	3	22.60	22.69	22.89				
1.4	16QAM	1	5	22.87	22.79	22.87	24	1		
1.4	16QAM	3	0	22.80	22.02	22.79				
1.4	16QAM	3	1	22.86	22.79	22.80				
1.4	16QAM	3	2	22.74	22.72	22.86	23	2		
1.4	16QAM	6	0	21.50	21.37	21.59				
1.4	64QAM	1	0	21.71	21.77	21.67				
1.4	64QAM	1	3	21.62	21.53	21.63	23	2		
1.4	64QAM	1	5	21.57	21.67	21.63				
1.4	64QAM	3	0	21.61	21.85	21.68				
1.4	64QAM	3	1	21.63	21.74	21.67	22	2		
1.4	64QAM	3	3	21.60	21.54	21.91				
1.4	64QAM	6	0	20.45	20.42	20.50				

Band 7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.47	20.50	20.42	22	0	
20	QPSK	1	49	20.44	20.38	20.34			
20	QPSK	1	99	20.35	20.48	20.32			
20	QPSK	50	0	20.35	20.48	20.40	22	0	
20	QPSK	50	24	20.36	20.41	20.35			
20	QPSK	50	50	20.36	20.47	20.35			
20	QPSK	100	0	20.36	20.42	20.33	22	0	
20	16QAM	1	0	20.40	20.41	20.28			
20	16QAM	1	49	20.41	20.24	20.24			
20	16QAM	1	99	20.29	20.37	20.28	22	0	
20	16QAM	50	0	20.32	20.38	20.33			
20	16QAM	50	24	20.21	20.27	20.23			
20	16QAM	50	50	20.24	20.44	20.29	22	0	
20	16QAM	100	0	20.35	20.30	20.26			
20	64QAM	1	0	20.35	20.48	20.28			
20	64QAM	1	49	20.34	20.23	20.24	22	0	
20	64QAM	1	99	20.21	20.47	20.28			
20	64QAM	50	0	19.96	20.03	19.93			
20	64QAM	50	24	19.96	20.01	19.96	21.5	0.5	
20	64QAM	50	50	19.96	20.04	20.00			
20	64QAM	100	0	19.96	20.03	19.96			
Channel				20825	21100	21375	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.16	20.46	20.30	22	0	
15	QPSK	1	37	20.39	20.36	20.23			
15	QPSK	1	74	20.28	20.35	20.27			
15	QPSK	36	0	20.29	20.41	20.34	22	0	
15	QPSK	36	20	20.29	20.30	20.26			
15	QPSK	36	39	20.32	20.45	20.28			
15	QPSK	75	0	20.23	20.39	20.31	22	0	
15	16QAM	1	0	20.34	20.33	20.22			
15	16QAM	1	37	20.30	20.18	20.15			
15	16QAM	1	74	20.27	20.27	20.17	22	0	
15	16QAM	36	0	20.26	20.34	20.27			
15	16QAM	36	20	20.19	20.21	20.20			
15	16QAM	36	39	20.30	20.26	20.28	22	0	
15	16QAM	75	0	20.25	20.26	20.17			
15	64QAM	1	0	20.30	20.34	20.22			
15	64QAM	1	37	20.27	20.21	20.21	22	0	
15	64QAM	1	74	20.27	20.38	20.15			
15	64QAM	36	0	19.91	19.92	19.89			
15	64QAM	36	39	19.94	19.89	19.91	21.5	0.5	
15	64QAM	36	39	19.97	19.85	19.86			
15	64QAM	75	0	19.98	19.87	19.86			
Channel				20800	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.34	20.46	20.30	22	0	
10	QPSK	1	25	20.32	20.36	20.21			
10	QPSK	1	49	20.20	20.44	20.17			
10	QPSK	25	0	20.34	20.33	20.26	22	0	
10	QPSK	25	12	20.25	20.27	20.29			
10	QPSK	25	25	20.29	20.43	20.30			
10	QPSK	50	0	20.25	20.37	20.30	22	0	
10	16QAM	1	0	20.37	20.36	20.23			
10	16QAM	1	25	20.38	20.15	20.12			
10	16QAM	1	49	20.15	20.22	20.23	22	0	
10	16QAM	25	0	20.27	20.27	20.21			
10	16QAM	25	12	20.06	20.21	20.20			
10	16QAM	25	25	20.15	20.34	20.23	22	0	
10	16QAM	50	0	20.24	20.21	20.16			
10	64QAM	1	0	20.21	20.46	20.25			
10	64QAM	1	25	20.22	20.21	20.19	22	0	
10	64QAM	1	49	20.15	20.39	20.23			
10	64QAM	25	0	19.96	19.85	19.84			
10	64QAM	25	12	19.93	19.83	19.85	21.5	0.5	
10	64QAM	25	25	19.97	19.83	19.85			
10	64QAM	50	0	19.84	19.82	19.87			
Channel				20775	21100	21425	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.36	20.49	20.32	22	0	
5	QPSK	1	12	20.29	20.23	20.26			
5	QPSK	1	24	20.31	20.38	20.29			
5	QPSK	12	0	20.33	20.44	20.30	22	0	
5	QPSK	12	7	20.33	20.28	20.28			
5	QPSK	12	13	20.21	20.39	20.27			
5	QPSK	25	0	20.23	20.27	20.23	22	0	
5	16QAM	1	0	20.34	20.33	20.21			
5	16QAM	1	12	20.31	20.10	20.22			
5	16QAM	1	24	20.18	20.33	20.22	22	0	
5	16QAM	12	0	20.25	20.34	20.26			
5	16QAM	12	7	20.07	20.17	20.18			
5	16QAM	12	13	20.10	20.37	20.20	22	0	
5	16QAM	25	0	20.30	20.17	20.17			
5	64QAM	1	0	20.24	20.34	20.19			
5	64QAM	1	12	20.19	20.16	20.17	22	0	
5	64QAM	1	24	20.11	20.45	20.14			
5	64QAM	12	0	20.02	19.88	19.81			
5	64QAM	12	7	20.00	19.84	19.85	21.5	0.5	
5	64QAM	12	13	19.91	19.85	19.87			
5	64QAM	25	0	19.93	19.86	19.90			

Band 7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.86	23.77	24.5	0	
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71	23.5	1	
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73	23.5	1	
20	QPSK	50	50	22.67	22.77	22.71			
20	QPSK	100	0	22.67	22.78	22.69	23.5	1	
20	16QAM	1	0	22.82	22.80	22.85			
20	16QAM	1	49	22.88	22.91	22.85	23.5	1	
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72	22.5	2	
20	16QAM	50	24	21.66	21.75	21.89			
20	16QAM	50	50	21.74	21.75	21.71	22.5	2	
20	16QAM	100	0	21.66	21.73	21.71			
20	64QAM	1	0	21.80	22.06	22.05	22.5	2	
20	64QAM	1	49	21.77	21.91	21.85			
20	64QAM	1	99	21.80	21.93	22.13	21.5	3	
20	64QAM	50	0	20.61	20.76	20.76			
20	64QAM	50	24	20.68	20.82	20.71	21.5	3	
20	64QAM	50	50	20.71	20.80	20.70			
20	64QAM	100	0	20.65	20.78	20.72			
Channel				20800	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.67	23.79	23.76	24.5	0	
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67	22.5	2	
15	QPSK	1	111	23.67	23.69	23.75			
15	QPSK	36	20	22.65	22.66	22.71	23.5	1	
15	QPSK	36	39	22.66	22.69	22.70			
15	QPSK	75	0	22.58	22.75	22.60	23.5	1	
15	16QAM	1	0	22.67	22.86	22.88			
15	16QAM	1	37	22.83	22.80	22.76	22.5	2	
15	16QAM	1	74	22.80	22.81	22.84			
15	16QAM	36	0	21.50	21.71	21.64	21.5	2	
15	16QAM	36	20	21.61	21.63	21.60			
15	16QAM	36	39	21.62	21.68	21.58	21.5	3	
15	16QAM	75	0	21.60	21.71	21.59			
15	64QAM	1	0	21.69	22.05	22.01	22.5	2	
15	64QAM	1	37	21.73	21.69	21.75			
15	64QAM	1	74	21.67	21.69	21.73	21.5	3	
15	64QAM	36	0	20.57	20.89	20.82			
15	64QAM	36	20	20.58	20.81	20.58	21.5	3	
15	64QAM	36	39	20.56	20.77	20.69			
15	64QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.65	23.79	23.72	24.5	0	
10	QPSK	1	49	23.64	23.69	23.65			
10	QPSK	1	99	23.64	23.70	23.70	23.5	1	
10	QPSK	25	0	22.62	22.66	22.72			
10	QPSK	25	12	22.57	22.67	22.64	23.5	1	
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.54	23.5	1	
10	16QAM	1	0	22.75	22.80	22.88			
10	16QAM	1	49	22.72	22.88	22.87	23.5	1	
10	16QAM	1	99	21.49	21.75	21.68			
10	16QAM	25	0	21.52	21.73	21.65	22.5	2	
10	16QAM	25	12	21.56	21.64	21.57			
10	16QAM	25	25	21.62	21.67	21.68	22.5	2	
10	16QAM	50	0	21.51	21.67	21.70			
10	64QAM	1	0	21.72	22.08	22.05	22.5	2	
10	64QAM	1	25	21.67	21.81	21.84			
10	64QAM	1	49	21.67	21.81	20.74	21.5	3	
10	64QAM	25	0	20.48	20.74	20.74			
10	64QAM	25	12	20.65	20.73	20.69	21.5	3	
10	64QAM	25	25	20.69	20.72	20.62			
10	64QAM	50	0	20.62	20.70	20.62			
Channel				20710	21010	21420	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2602.5	2635	2667.5			
5	QPSK	1	0	23.60	23.85	23.65	24.5	0	
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.66	23.84	23.68	23.5	1	
5	QPSK	12	0	22.62	22.68	22.67			
5	QPSK	12	7	22.62	22.59	22.72	23.5	1	
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.68	22.69	23.5	1	
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72	22.5	1	
5	16QAM	1	24	22.74	22.69	22.99			
5	16QAM	12	0	21.55	21.65	21.67	22.5	2	
5	16QAM	12	7	21.57	21.64	21.58			
5	16QAM	12	13	21.57	21.67	21.65	22.5	2	
5	16QAM	25	0	21.52	21.62	21.60			
5	64QAM	1	0	21.70	22.04	21.98	22.5	2	
5	64QAM	1	12	21.64	21.82	21.77			
5	64QAM	1	24	21.70	21.88	22.01	21.5	3	
5	64QAM	12	0	20.59	20.84	20.62			
5	64QAM	12	7	20.57	20.88	20.67	21.5	3	
5	64QAM	12	13	20.62	20.86	20.67			
5	64QAM	25	0	20.62	20.73	20.59			

Band 12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23000	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.43	23.50	23.45	24.5	0		
10	QPSK	1	25	23.22	23.39	23.29				
10	QPSK	1	49	23.41	23.47	23.32				
10	QPSK	25	0	22.25	22.30	22.25	23.5	1		
10	QPSK	25	12	22.21	22.20	22.22				
10	QPSK	25	25	22.24	22.28	22.22				
10	QPSK	50	0	22.23	22.27	22.24	23.5	1		
10	16QAM	1	0	22.52	22.37	22.60				
10	16QAM	1	25	22.42	22.32	22.55				
10	16QAM	1	49	22.66	22.55	22.61	22.5	2		
10	16QAM	25	0	21.24	21.18	21.20				
10	16QAM	25	12	21.14	21.26	21.18				
10	16QAM	25	25	21.18	21.36	21.25	22.5	2		
10	16QAM	50	0	21.17	21.24	21.23				
10	64QAM	1	0	21.25	21.36	21.22				
10	64QAM	1	25	21.53	21.35	21.40	22.5	2		
10	64QAM	1	49	21.50	21.39	21.35				
10	64QAM	25	0	20.19	20.28	20.21				
10	64QAM	25	12	20.25	20.21	20.31	21.5	3		
10	64QAM	25	25	20.27	20.37	20.23				
10	64QAM	50	0	20.29	20.25	20.23				
Channel				23005	23095	23105				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.38	23.37	23.38	24.5	0		
5	QPSK	1	12	23.08	23.28	23.15				
5	QPSK	1	24	23.31	23.38	23.19				
5	QPSK	12	0	22.26	22.28	22.21	23.5	1		
5	QPSK	12	7	22.07	22.19	22.07				
5	QPSK	12	13	22.12	22.23	22.16				
5	QPSK	25	0	22.17	22.24	22.16	23.5	1		
5	16QAM	1	0	22.37	22.28	22.56				
5	16QAM	1	12	22.37	22.17	22.33				
5	16QAM	1	24	22.59	22.45	22.59	22.5	2		
5	16QAM	12	0	21.14	21.04	21.11				
5	16QAM	12	7	21.02	21.14	21.14				
5	16QAM	12	13	21.09	21.25	21.13	22.5	2		
5	16QAM	25	0	21.06	21.19	21.18				
5	64QAM	1	0	21.13	21.29	21.08				
5	64QAM	1	12	21.38	21.31	21.25	22.5	2		
5	64QAM	1	24	21.47	21.29	21.34				
5	64QAM	12	0	20.11	20.23	20.19				
5	64QAM	12	7	20.19	20.13	20.27	21.5	3		
5	64QAM	12	13	20.20	20.26	20.16				
5	64QAM	25	0	20.20	20.22	20.08				
Channel				23005	23095	23105				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.40	23.49	23.35	24.5	0		
3	QPSK	1	8	23.16	23.31	23.21				
3	QPSK	1	14	23.36	23.45	23.21				
3	QPSK	8	0	22.19	22.25	22.19	23.5	1		
3	QPSK	8	4	22.06	22.09	22.11				
3	QPSK	8	7	22.14	22.22	22.16				
3	QPSK	15	0	22.09	22.19	22.20	23.5	1		
3	16QAM	1	0	22.51	22.30	22.59				
3	16QAM	1	8	22.35	22.25	22.28				
3	16QAM	1	14	22.53	22.48	22.54	22.5	2		
3	16QAM	8	0	21.14	21.09	21.06				
3	16QAM	8	4	21.09	21.14	21.16				
3	16QAM	8	7	21.03	21.30	21.11	22.5	2		
3	16QAM	15	0	21.12	21.14	21.22				
3	64QAM	1	0	21.21	21.35	21.09				
3	64QAM	1	8	21.46	21.22	21.58	22.5	2		
3	64QAM	1	14	21.38	21.34	21.29				
3	64QAM	8	0	20.11	20.18	20.17				
3	64QAM	8	4	20.16	20.10	20.27	21.5	3		
3	64QAM	8	7	20.19	20.35	20.20				
3	64QAM	15	0	20.16	20.17	20.22				
Channel				23017	23095	23173				
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0		
1.4	QPSK	1	3	23.16	23.26	23.17				
1.4	QPSK	1	5	23.38	23.40	23.21				
1.4	QPSK	3	0	23.39	23.42	23.42	23.5	1		
1.4	QPSK	3	1	23.20	23.28	23.17				
1.4	QPSK	3	3	23.36	23.40	23.09				
1.4	QPSK	6	0	22.20	22.18	22.20	23.5	1		
1.4	16QAM	1	0	22.45	22.28	22.54				
1.4	16QAM	1	3	22.30	22.26	22.30				
1.4	16QAM	1	5	22.58	22.51	22.46	23.5	1		
1.4	16QAM	3	0	22.46	22.25	22.46				
1.4	16QAM	3	1	22.33	22.26	22.28				
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2		
1.4	16QAM	6	0	21.11	21.11	21.10				
1.4	64QAM	1	0	21.19	21.27	21.19				
1.4	64QAM	1	3	21.42	21.21	21.29	22.5	2		
1.4	64QAM	1	5	21.43	21.30	21.25				
1.4	64QAM	3	0	21.13	21.32	21.14				
1.4	64QAM	3	1	21.38	21.20	21.27	21.5	3		
1.4	64QAM	3	3	21.36	21.35	21.24				
1.4	64QAM	6	0	20.22	20.22	20.19				

Band 12_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	MPR (dB)		
Channel				23000	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69	24.5	0		
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.80	22.55	23.5	1		
10	QPSK	25	12	22.51	22.82	22.51				
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47	23.5	1		
10	16QAM	1	0	22.95	22.63	22.99				
10	16QAM	1	25	22.94	22.69	22.70				
10	16QAM	1	49	22.98	22.76	22.64	22.5	2		
10	16QAM	25	0	21.52	21.64	21.46				
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44	22.5	2		
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.87	22.5	2		
10	64QAM	1	25	21.85	21.90	21.77				
10	64QAM	1	49	21.71	21.81	21.64				
10	64QAM	25	0	20.53	20.50	20.49	21.5	3		
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49				
10	64QAM	50	0	20.53	20.52	20.46				
Channel				23005	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.55	23.70	23.57	24.5	0		
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	49	23.54	23.45	23.48				
5	QPSK	12	0	22.53	22.51	22.50	23.5	1		
5	QPSK	12	7	22.49	22.49	22.37				
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42	23.5	1		
5	16QAM	1	0	22.87	22.57	22.87				
5	16QAM	1	12	22.87	22.61	22.80				
5	16QAM	1	24	22.95	22.68	22.52	22.5	2		
5	16QAM	12	0	21.45	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.30				
5	16QAM	12	13	21.54	21.43	21.29	21.5	3		
5	16QAM	25	0	21.44	21.42	21.37				
5	16QAM	1	0	21.71	21.71	21.71				
5	64QAM	1	12	21.81	21.88	21.74	21.5	2		
5	64QAM	1	24	21.66	21.65	21.71				
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35	21.5	3		
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42				
Channel				23025	23095	23188				
Frequency (MHz)				701.5	707.5	713.5				
3	QPSK	1	0	23.56	23.63	23.48	24.5	0		
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45	23.5	1		
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.47	22.46	22.40				
3	16QAM	1	0	22.91	22.57	22.96	23.5	1		
3	16QAM	1	8	22.91	22.65	22.68				
3	16QAM	1	14	22.93	22.66	22.65				
3	16QAM	8	0	21.47	21.53	21.43	22.5	2		
3	16QAM	8	4	21.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41				
3	64QAM	15	0	21.46	21.45	21.38	21.5	3		
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.81	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83	21.5	3		
3	64QAM	8	0	20.52	20.40	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.63	20.49	20.53	21.5	3		
3	64QAM	15	0	20.40	20.49	20.35				
Channel				23017	23095	23173				
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0		
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67	23.5	1		
1.4	QPSK	3	1	23.63	23.62	23.48				
1.4	QPSK	3	5	23.67	21.42	23.37				
1.4	16QAM	1	0	22.93	22.51	22.88	23.5	1		
1.4	16QAM	1	3	22.80	22.55	22.61				
1.4	16QAM	1	5	22.87	22.84	22.55				
1.4	16QAM	3	0	22.89	22.48	22.93	22.5	2		
1.4	16QAM	3	1	22.91	22.59	22.93				
1.4	16QAM	3	22	22.95	22.92	22.95				
1.4	64QAM	6	0	21.52	21.51	21.37	22.5	2		
1.4	64QAM	1	0	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.62	22.5	2		
1.4	64QAM	3	0	21.79	21.63	21.79				
1.4	64QAM	3	3	21.79	21.72	21.72				
1.4	64QAM	3	3	21.63	21.54	21.73	21.5	3		
1.4	64QAM	6	0	20.52	20.45	20.44				

Band 66_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.40	23.45	23.44	24.5	0						
20	QPSK	1	49	23.34	23.35	23.42								
20	QPSK	1	99	23.12	23.24	23.26								
20	QPSK	50	0	22.35	22.42	22.45								
20	QPSK	50	24	22.30	22.33	22.35	23.5	1						
20	QPSK	50	50	22.26	22.28	22.36								
20	QPSK	100	0	22.32	22.40	22.38								
20	16QAM	1	0	22.59	22.48	22.65								
20	16QAM	1	49	22.64	22.67	22.64	23.5	1						
20	16QAM	1	99	22.42	22.45	22.47								
20	16QAM	50	0	21.28	21.33	21.45								
20	16QAM	50	24	21.29	21.33	21.42								
20	16QAM	50	50	21.25	21.29	21.35	22.5	2						
20	16QAM	100	0	21.23	21.30	21.39								
20	64QAM	1	0	21.40	21.38	21.35								
20	64QAM	1	49	21.40	21.51	21.52								
20	64QAM	1	99	21.31	21.38	21.46	22.5	2						
20	64QAM	50	0	20.30	20.34	20.49								
20	64QAM	50	24	20.32	20.34	20.44								
20	64QAM	50	50	20.27	20.29	20.38								
20	64QAM	100	0	20.25	20.31	20.41	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.38	23.38	23.30	24.5	0						
15	QPSK	1	37	23.27	23.31	23.31								
15	QPSK	1	74	23.04	23.10	23.15								
15	QPSK	36	0	22.23	22.33	22.26								
15	QPSK	36	20	22.19	22.31	22.33	23.5	1						
15	QPSK	36	39	22.14	22.13	22.23								
15	QPSK	75	0	22.28	22.37	22.23								
15	16QAM	1	0	22.56	22.35	22.53								
15	16QAM	1	37	22.63	22.43	22.58	23.5	1						
15	16QAM	1	74	22.33	22.36	22.46								
15	16QAM	36	0	21.14	21.30	21.44								
15	16QAM	36	20	21.23	21.27	21.33								
15	16QAM	36	39	21.13	21.14	21.28	22.5	2						
15	16QAM	75	0	21.22	21.28	21.38								
15	64QAM	1	0	21.33	21.34	21.52								
15	64QAM	1	37	21.26	21.47	21.38								
15	64QAM	1	74	21.29	21.36	21.33	21.5	3						
15	64QAM	36	0	20.19	20.32	20.43								
15	64QAM	36	20	20.29	20.30	20.38								
15	64QAM	36	39	20.26	20.25	20.34								
15	64QAM	75	0	20.21	20.23	20.33	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.39	23.31	23.37	24.5	0						
10	QPSK	1	25	23.21	23.33	23.29								
10	QPSK	1	49	23.10	23.14	23.16								
10	QPSK	25	0	22.29	22.32	22.35								
10	QPSK	25	12	22.18	22.22	22.23	23.5	1						
10	QPSK	25	25	22.19	22.25	22.31								
10	QPSK	50	0	22.20	22.30	22.34								
10	16QAM	1	0	22.46	22.34	22.51								
10	16QAM	1	25	22.56	22.50	22.63	23.5	1						
10	16QAM	1	49	22.33	22.32	22.40								
10	16QAM	25	12	21.19	21.28	21.37								
10	16QAM	25	25	21.19	21.26	21.33								
10	16QAM	50	0	21.16	21.22	21.25	22.5	2						
10	64QAM	1	0	21.30	21.23	21.52								
10	64QAM	1	25	21.26	21.41	21.43								
10	64QAM	25	0	20.20	20.32	20.37								
10	64QAM	25	12	20.23	20.29	20.34	21.5	3						
10	64QAM	25	25	20.15	20.21	20.25								
10	64QAM	50	0	20.14	20.28	20.37								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.35	23.39	23.32	24.5	0						
5	QPSK	1	12	23.29	23.27	23.38								
5	QPSK	1	24	23.00	23.12	23.11								
5	QPSK	12	0	22.24	22.33	22.26								
5	QPSK	12	7	22.21	22.31	22.26	23.5	1						
5	QPSK	12	13	22.11	22.18	22.25								
5	QPSK	25	0	22.17	22.32	22.23								
5	16QAM	1	0	22.54	22.35	22.53								
5	16QAM	1	12	22.59	22.44	22.58	23.5	1						
5	16QAM	1	24	22.37	22.42	22.40								
5	16QAM	12	0	21.25	21.29	21.44								
5	16QAM	12	7	21.24	21.19	21.28								
5	16QAM	12	13	21.24	21.21	21.29	22.5	2						
5	16QAM	25	0	21.21	21.27	21.24								
5	64QAM	1	0	21.20	21.34	21.49								
5	64QAM	1	12	21.27	21.36	21.45								
5	64QAM	1	24	21.20	21.27	21.32	22.5	2						
5	64QAM	12	0	20.20	20.25	20.35								
5	64QAM	12	7	20.29	20.27	20.29								
5	64QAM	12	13	20.21	20.28	20.32								
5	64QAM	25	0	20.10	20.21	20.28	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.27	23.41	23.40	24.5	0						
3	QPSK	1	8	23.32	23.20	23.36								
3	QPSK	1	14	22.99	23.17	23.22								
3	QPSK	8	0	22.31	22.32	22.34								
3	QPSK	8	4	22.26	22.34	22.34	23.5	1						
3	QPSK	8	7	22.24	22.13	22.35								
3	QPSK	15	0	22.20	22.31	22.22								
3	16QAM	1	0	22.48	22.45	22.54								
3	16QAM	1	8	22.49	22.48	22.51	23.5	1						
3	16QAM	1	14	22.40	22.37	22.46								
3	16QAM	8	0	21.22	21.16	21.39								
3	16QAM	8	4	21.14	21.22	21.37								
3	16QAM	8	7	21.15	21.18	21.32	22.5	2						
3	16QAM	15	0	21.14	21.18	21.33								
3	64QAM	1	0	21.32	21.24	21.49								
3	64QAM	1	8	21.26	21.45	21.43								
3	64QAM	1	14	21.16	21.31	21.47	22.5	2						
3	64QAM	8	0	20.29	20.33	20.47								
3	64QAM	8	4	20.24	20.30	20.33								
3	64QAM	8	7	20.24	20.19	20.33								
3	64QAM	15	0	20.18	20.25	20.36	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0						
1.4	QPSK	1	3	23.27	23.33	23.38								
1.4	QPSK	1	5	23.04	23.11	23.19								
1.4	QPSK	3	0	23.37	23.41	23.36								
1.4	QPSK	3	1	23.26	23.30	23.36	23.5	1						
1.4	QPSK	3	3	23.07	23.19	23.22								
1.4	QPSK	6	0	22.21	22.24	22.35								
1.4	16QAM	1	0	22.52	22.34	22.45								
1.4	16QAM	1	3	22.58	22.47	22.58	23.5	1						
1.4	16QAM	1	5	22.30	22.44	22.35								
1.4	16QAM	3	0	22.47	22.41	22.60								
1.4	16QAM	3	1	22.60	22.56	22.50								
1.4	16QAM	3	3	22.36	22.34	22.34	22.5	2						
1.4	16QAM	6	0	21.21	21.18	21.39								
1.4	64QAM	1	0	21.29	21.37	21.42								
1.4	64QAM	1	3	21.25	21.41	21.45								
1.4	64QAM	1	5	21.19	21.29	21.36	22.5	2						
1.4	64QAM	3	0	21.29	21.37	21.53								
1.4	64QAM	3	1	21.36	21.50	21.45								
1.4	64QAM	3	3	21.29	21.21	21.38								
1.4	64QAM	6	0	20.14	20.26	20.31	Time-up limit (dBm)	MPR (dB)						

LTE Band 71_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				133222	133297	133372					
Frequency (MHz)				673	680.5	688					
20	QPSK	1	0	23.38	23.41	23.24	24.5	0			
20	QPSK	1	48	23.21	23.24	23.20					
20	QPSK	1	96	23.16	23.22	23.22					
20	QPSK	50	0	22.35	22.38	22.25	23.5	1			
20	QPSK	50	24	22.29	22.29	22.25					
20	QPSK	50	50	22.93	22.23	22.24					
20	QPSK	100	0	22.31	22.34	22.28	23.5	1			
20	16QAM	1	0	22.53	22.52	22.53					
20	16QAM	1	48	22.48	22.44	22.48					
20	16QAM	1	96	22.48	22.54	22.56	22.5	2			
20	16QAM	50	0	21.35	21.21	21.23					
20	16QAM	50	24	21.27	21.28	21.27					
20	16QAM	50	50	21.34	21.29	21.25	22.5	2			
20	16QAM	100	0	21.38	21.22	21.25					
20	64QAM	1	0	21.42	21.44	21.46					
20	64QAM	1	48	21.34	21.45	21.35	22.5	2			
20	64QAM	1	96	21.40	21.49	21.51					
20	64QAM	50	0	20.34	20.23	20.22					
20	64QAM	50	24	20.28	20.31	20.29	21.5	3			
20	64QAM	50	50	20.35	20.31	20.27					
20	64QAM	100	0	20.38	20.26	20.24					
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	23.30	23.31	23.06	24.5	0			
15	QPSK	1	37	23.12	23.08	23.10					
15	QPSK	1	74	23.11	22.99	23.13					
15	QPSK	36	0	22.28	22.14	22.04	23.5	1			
15	QPSK	36	20	22.07	22.04	22.06					
15	QPSK	36	36	22.29	22.15	22.15					
15	QPSK	75	0	22.22	22.18	22.09	23.5	1			
15	16QAM	1	0	22.38	22.46	22.44					
15	16QAM	1	37	22.36	22.20	22.24					
15	16QAM	1	74	22.59	22.34	22.45	22.5	2			
15	16QAM	36	0	21.12	20.97	21.14					
15	16QAM	36	20	21.06	21.21	21.21					
15	16QAM	36	36	21.28	21.16	21.04	22.5	2			
15	16QAM	75	0	21.29	21.09	21.05					
15	64QAM	1	0	21.22	21.27	21.22					
15	64QAM	1	37	21.19	21.36	21.24	22.5	2			
15	64QAM	1	74	21.30	21.28	21.44					
15	64QAM	36	0	20.15	20.15	20.00					
15	64QAM	36	20	20.17	20.25	20.24	21.5	3			
15	64QAM	36	36	20.24	20.25	20.10					
15	64QAM	75	0	20.27	20.14	20.08					
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				668	680.5	693					
10	QPSK	1	0	23.28	23.18	23.17	24.5	0			
10	QPSK	1	25	23.03	23.18	23.07					
10	QPSK	1	48	22.98	23.09	23.08					
10	QPSK	25	0	22.30	22.15	22.18	23.5	1			
10	QPSK	25	12	22.21	22.07	22.06					
10	QPSK	25	25	22.18	21.98	21.99					
10	QPSK	50	0	22.25	22.19	22.02	23.5	1			
10	16QAM	1	0	22.37	22.43	22.41					
10	16QAM	1	25	22.36	22.31	22.28					
10	16QAM	1	48	22.39	22.31	22.46	22.5	2			
10	16QAM	25	0	21.16	21.05	21.03					
10	16QAM	25	12	21.14	21.20	21.19					
10	16QAM	50	0	21.29	21.03	21.06	22.5	2			
10	64QAM	1	0	21.35	21.52	21.34					
10	64QAM	1	25	21.19	21.38	21.12					
10	64QAM	1	48	21.31	21.28	21.43	21.5	3			
10	64QAM	25	0	20.20	20.18	20.11					
10	64QAM	25	12	20.03	20.10	20.21					
10	64QAM	25	25	20.24	20.19	20.08	21.5	3			
10	64QAM	50	0	20.21	20.18	20.06					
Channel				133147	133297	133447	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5					
5	QPSK	1	0	23.27	23.35	23.10	24.5	0			
5	QPSK	1	12	23.04	23.09	23.00					
5	QPSK	1	24	23.02	23.09	23.02					
5	QPSK	12	0	22.22	22.30	22.09	23.5	1			
5	QPSK	12	7	22.21	22.20	22.09					
5	QPSK	12	13	22.12	22.11	22.10					
5	QPSK	25	0	22.26	22.12	22.07	23.5	1			
5	16QAM	1	0	22.34	22.33	22.38					
5	16QAM	1	12	22.30	22.36	22.43					
5	16QAM	1	24	22.29	22.38	22.42	22.5	2			
5	16QAM	12	0	21.29	20.98	21.18					
5	16QAM	12	7	21.07	21.18	21.18					
5	16QAM	12	13	21.26	21.18	21.91	22.5	2			
5	16QAM	25	0	21.15	21.05	21.09					
5	64QAM	1	0	21.24	21.20	21.33					
5	64QAM	1	12	21.20	21.30	21.17	22.5	2			
5	64QAM	1	24	21.31	21.29	21.36					
5	64QAM	12	0	20.10	20.17	20.13					
5	64QAM	12	7	20.15	20.15	20.10	21.5	3			
5	64QAM	12	13	20.20	20.05	20.22					
5	64QAM	25	0	20.19	20.15	20.08					

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.52	23.69	23.55	24.5	0	
20	QPSK	1	48	23.49	23.50	23.53			
20	QPSK	1	96	23.58	23.59	23.47			
20	QPSK	50	0	22.08	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.56			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	48	22.82	22.86	22.74			
20	16QAM	1	96	22.77	22.79	22.69	23.5	2	
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	48	21.87	21.71	21.66	22.5	2	
20	64QAM	1	96	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197 <th>133297<th>133397</th><th colspan="3"></th></th>	133297 <th>133397</th> <th colspan="3"></th>	133397			
Frequency (MHz)				670.5 <th>680.5<th>690.5<th colspan="3"></th></th></th>	680.5 <th>690.5<th colspan="3"></th></th>	690.5 <th colspan="3"></th>			
15	QPSK	1	0	23.51	23.45	23.43	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.20			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.80	22.42	23.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.78	22.62			
15	16QAM	1	74	22.53	22.56	22.46	22.5	1	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.30			
15	64QAM	1	0	21.53	21.62	21.61			
15	64QAM	1	37	21.82	21.56	21.53	21.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172 <th>133297<th>133422<th colspan="3"></th></th></th>	133297 <th>133422<th colspan="3"></th></th>	133422 <th colspan="3"></th>			
Frequency (MHz)				668 <th>678.5<th>689<th colspan="3"></th></th></th>	678.5 <th>689<th colspan="3"></th></th>	689 <th colspan="3"></th>			
10	QPSK	1	0	23.56	23.47	23.43	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	48	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.48	22.41	22.24			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44	23.5	1	
10	16QAM	1	0	22.78	22.76	22.77			
10	16QAM	1	25	22.73	22.70	22.57			
10	16QAM	1	48	22.53	22.64	22.48	22.5	2	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.63	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.56	21.57			
10	16QAM	50	25	21.55	21.58	21.50			
10	16QAM	1	25	21.95	21.64	21.50	22.5	2	
10	64QAM	1	48	21.49	21.51	21.35			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.54	20.50	20.48			
Channel				133147 <th>133297<th>133447<th colspan="3"></th></th></th>	133297 <th>133447<th colspan="3"></th></th>	133447 <th colspan="3"></th>			
Frequency (MHz)				665.5 <th>680.5<th>695.5<th colspan="3"></th></th></th>	680.5 <th>695.5<th colspan="3"></th></th>	695.5 <th colspan="3"></th>			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	15	22.41	22.53	22.37			
5	16QAM	5	0	22.47	22.62	22.29	23.5	1	
5	16QAM	1	0	22.76	22.78	22.60			
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	1	
5	16QAM	12	0	21.50	21.46	21.47			
5	16QAM	12	7	21.46	21.53	21.45			
5	16QAM	12	15	21.50	21.50	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.56	20.56	20.37	21.5	3	
5	64QAM	12	13	20.44	20.59	20.35			
5	64QAM	25	0	20.47	20.58	20.47			

Band 41_Ant 1												
RF (MHz)	Modulation	RF SSB	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Transmit Power (dBm)	MFR (MHz)
Channel				36750	41185	46620	41185	41490				
20	QPSK	1	0	21.95	21.95	22.28	21.95	22.28				
20	QPSK	1	48	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	96	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	144	21.85	21.86	22.28	21.86	22.37				
20	QPSK	1	192	21.87	21.88	22.29	22.04	22.39			23.5	0
20	QPSK	1	240	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	288	21.95	21.95	22.28	21.95	22.37				
20	QPSK	1	336	21.98	21.98	22.33	22.01	22.39				
20	QPSK	1	384	21.87	21.87	22.29	22.04	22.39				
20	QPSK	1	432	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	480	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	528	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	576	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	624	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	672	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	720	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	768	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	816	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	864	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	912	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	960	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1008	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1056	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	1104	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1152	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1200	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1248	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	1296	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1344	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1392	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1440	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	1488	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1536	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1584	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1632	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	1680	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1728	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1776	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1824	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	1872	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	1920	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	1968	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2016	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	2064	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2112	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	2160	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2208	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	2256	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2304	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	2352	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2400	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	2448	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2496	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	2544	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2592	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	2640	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2688	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	2736	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2784	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	2832	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2880	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	2928	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	2976	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3024	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3072	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	3120	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3168	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3216	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3264	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	3312	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3360	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3408	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3456	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	3504	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3552	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3600	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3648	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	3696	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3744	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3792	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3840	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	3888	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	3936	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	3984	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4032	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	4080	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4128	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	4176	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4224	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	4272	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4320	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	4368	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4416	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	4464	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4512	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	4560	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4608	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	4656	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4704	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	4752	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4800	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	4848	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4896	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	4944	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	4992	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	5040	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5088	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	5136	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5184	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	5232	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5280	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	5328	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5376	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	5424	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5472	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	5520	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5568	21.87	21.88	22.29	22.04	22.39				
20	QPSK	1	5616	21.98	21.99	22.33	22.01	22.39				
20	QPSK	1	5664	21.85	21.86	22.28	21.86	22.37			23.5	0
20	QPSK	1	5712	21.98	21.99	22.33	22.01					

[illegible]

Band 41_Ant 4												
BS	Modulation	RB	SSB	RB Offset	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.
Channel												
20	QPSK	1	0		30.70	46.165	46.165	410.03	410.03	414.50		
20	QPSK	1	0		29.55	46.165	46.165	23.31	23.31	23.31		
20	QPSK	1	48		23.57	23.30	23.40	23.30	23.40	23.40	24.5	0
20	QPSK	1	96		23.44	23.28	23.31	23.34	23.34	23.34		
20	QPSK	160	24		22.97	22.97	23.10	23.20	23.27	23.27	23.5	1
20	QPSK	160	72		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	120		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	168		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	216		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	264		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	312		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	360		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	408		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	456		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	504		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	552		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	600		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	648		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	696		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	744		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	792		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	840		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	888		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	936		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	984		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1032		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1080		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1128		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1176		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1224		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1272		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1320		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1368		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1416		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1464		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1512		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1560		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1608		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1656		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1704		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1752		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1800		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1848		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1896		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1944		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	1992		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2040		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2088		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2136		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2184		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2232		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2280		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2328		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2376		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2424		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2472		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2520		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2568		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2616		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2664		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2712		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2760		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2808		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2856		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2904		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	2952		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3000		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3048		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3096		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3144		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3192		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3240		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3288		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3336		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3384		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3432		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3480		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3528		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3576		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3624		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3672		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3720		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3768		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3816		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3864		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3912		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	3960		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4008		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4056		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4104		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4152		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4200		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4248		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4296		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4344		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4392		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4440		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4488		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4536		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4584		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4632		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4680		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4728		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4776		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4824		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4872		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4920		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	4968		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5016		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5064		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5112		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5160		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5208		22.97	22.97	23.10	23.20	23.27	23.27		
20	QPSK	160	5256									

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	18.88	18.76	18.71	18.57	10	0	20	QPSK	1	0	22.58	22.46	22.41	22.25	23	0	20	QPSK	1	0	22.48	22.41	22.43	22.29	23	0	20	QPSK	1	0	23.88	23.76	23.71	23.55	24.5	0
20	QPSK	1	48	18.81	18.43	18.53	18.49	10	0	20	QPSK	1	48	22.51	22.38	22.39	22.32	23	0	20	QPSK	1	48	22.41	22.43	22.29	22.33	23	0	20	QPSK	1	48	23.75	23.47	23.73	23.68	24.5	0
20	QPSK	1	96	18.71	18.43	18.51	18.44	10	0	20	QPSK	1	96	22.31	22.32	22.30	22.30	23	0	20	QPSK	1	96	22.31	22.38	22.30	22.37	23	0	20	QPSK	1	96	23.65	23.47	23.74	23.57	24.5	0
20	QPSK	50	0	18.58	18.58	18.58	18.58	10	0	20	QPSK	50	0	21.97	21.97	21.97	21.97	22	1	20	QPSK	50	0	21.97	21.97	21.97	21.97	22	1	20	QPSK	50	0	22.88	22.88	22.88	22.88	23.5	1
20	QPSK	50	24	18.51	18.34	18.53	18.45	10	0	20	QPSK	50	24	21.94	21.97	21.94	21.97	22	1	20	QPSK	50	24	21.94	21.97	21.94	21.97	22	1	20	QPSK	50	24	22.77	22.49	22.81	22.88	23.5	1
20	QPSK	50	50	18.53	18.47	18.46	18.48	10	0	20	QPSK	50	50	21.91	21.92	21.91	21.92	22	1	20	QPSK	50	50	21.91	21.92	21.91	21.92	22	1	20	QPSK	50	50	22.79	22.56	22.59	22.67	23.5	1
20	QPSK	100	0	18.57	18.47	18.46	18.48	10	0	20	QPSK	100	0	21.95	21.91	21.44	21.38	21	2	20	QPSK	100	0	21.95	21.44	21.41	21.41	21	2	20	QPSK	100	0	22.83	22.56	22.59	22.67	23.5	1
20	QPSK	1	0	18.50	18.46	18.52	18.45	10	0	20	QPSK	1	0	21.53	21.52	21.47	21.59	21	2	20	QPSK	1	0	21.43	21.48	21.44	21.47	21	2	20	QPSK	1	0	22.74	22.57	22.58	22.67	23.5	1
20	QPSK	1	48	18.43	18.45	18.47	18.43	10	0	20	QPSK	1	48	21.48	21.50	21.44	21.53	21	2	20	QPSK	1	48	21.48	21.47	21.46	21.52	21	2	20	QPSK	1	48	22.67	22.51	22.51	22.58	23.5	1
20	QPSK	1	96	18.46	18.34	18.42	18.33	10	0	20	QPSK	1	96	21.36	21.28	21.44	21.38	21	2	20	QPSK	1	96	21.36	21.28	21.46	21.48	21	2	20	QPSK	1	96	22.72	22.56	22.64	22.84	23.5	1
20	QPSK	50	0	18.58	18.52	18.53	18.51	10	0	20	QPSK	50	0	20.56	20.58	20.53	20.43	21	2	20	QPSK	50	0	20.56	20.57	20.56	20.48	21	2	20	QPSK	50	0	21.78	21.53	21.67	21.85	22.5	2
20	QPSK	50	24	18.48	18.28	18.43	18.45	10	0	20	QPSK	50	24	20.44	20.52	20.44	20.36	21	2	20	QPSK	50	24	20.20	20.24	20.35	20.48	21	2	20	QPSK	50	24	21.67	21.41	21.56	21.81	22.5	2
20	QPSK	50	50	18.43	18.27	18.38	18.38	10	0	20	QPSK	50	50	20.44	20.29	20.52	20.50	21	2	20	QPSK	50	50	20.23	20.42	20.31	20.51	21	2	20	QPSK	50	50	21.73	21.56	21.57	21.83	22.5	2
20	QPSK	100	0	18.54	18.37	18.39	18.43	10	0	20	QPSK	100	0	20.41	20.20	20.43	20.41	21	2	20	QPSK	100	0	20.25	20.39	20.32	20.48	21	2	20	QPSK	100	0	21.78	21.58	21.59	21.83	22.5	2
20	QPSK	1	0	18.49	18.40	18.47	18.47	10	0	20	QPSK	1	0	20.54	20.27	20.40	20.39	21	2	20	QPSK	1	0	20.54	20.29	20.45	20.47	21	2	20	QPSK	1	0	21.57	21.35	21.57	21.82	22.5	2
20	QPSK	1	48	18.52	18.38	18.42	18.42	10	0	20	QPSK	1	48	20.46	20.25	20.50	20.51	21	2	20	QPSK	1	48	19.88	20.08	19.97	20.11	21	2	20	QPSK	1	48	21.64	21.41	21.52	21.84	22.5	2
20	QPSK	1	96	18.50	18.37	18.40	18.36	10	0	20	QPSK	1	96	20.46	20.33	20.52	20.42	21	2	20	QPSK	1	96	19.86	20.02	19.89	20.05	21	2	20	QPSK	1	96	21.72	21.45	21.52	21.80	22.5	2
20	QPSK	50	0	18.52	18.37	18.40	18.40	10	0	20	QPSK	50	0	19.90	19.44	19.38	19.45	20	3	20	QPSK	50	0	19.32	19.28	19.35	19.48	20	3	20	QPSK	50	0	20.83	20.45	20.83	20.93	21.5	3
20	QPSK	50	24	18.38	18.22	18.45	18.39	10	0	20	QPSK	50	24	19.59	18.41	19.48	19.35	20	3	20	QPSK	50	24	19.59	18.44	19.35	19.51	20	3	20	QPSK	50	24	20.81	20.45	20.83	20.93	21.5	3
20	QPSK	50	50	18.43	18.27	18.39	18.43	10	0	20	QPSK	50	50	19.53	18.32	19.51	19.38	20	3	20	QPSK	50	50	19.17	18.43	19.31	19.53	20	3	20	QPSK	50	50	20.71	20.47	20.97	20.97	21.5	3
20	QPSK	100	0	18.49	18.40	18.42	18.46	10	0	20	QPSK	100	0	19.54	19.40	19.45	19.37	20	3	20	QPSK	100	0	19.22	19.29	19.37	19.49	20	3	20	QPSK	100	0	20.78	20.48	20.97	20.98	21.5	3
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	18.43	18.36	18.31	18.33	10	0	15	QPSK	1	0	22.48	22.48	22.48	22.48	23	0	15	QPSK	1	0	22.78	22.78	22.78	22.78	23	0	15	QPSK	1	0	23.77	23.77	23.77	23.77	24.5	0
15	QPSK	1	37	18.38	18.37	18.42	18.48	10	0	15	QPSK	1	37	22.38	22.37	22.48	22.28	23	0	15	QPSK	1	37	22.37	22.34	22.11	22.28	23	0	15	QPSK	1	37	23.65	23.58	23.61	23.42	24.5	0
15	QPSK	1	74	18.41	18.38	18.46	18.43	10	0	15	QPSK	1	74	22.45	22.49	22.47	22.19	23	0	15	QPSK	1	74	22.65	22.51	22.17	22.29	23	0	15	QPSK	1	74	23.67	23.58	23.61	23.42	24.5	0
15	QPSK	1	111	18.43	18.42	18.41	18.39	10	0	15	QPSK	1	111	22.41	22.33	22.45	22.19	23	0	15	QPSK	1	111	22.33	22.37	22.18	22.29	23	0	15	QPSK	1	111	23.78	23.63	23.75	23.70	24.5	0
15	QPSK	50	0	18.39	18.33	18.50	18.38	10	0	15	QPSK	50	0	21.38	20.99	21.38	21.28	22	1	15	QPSK	50	0	21.32	21.20	21.09	21.24	22	1	15	QPSK	50	0	22.84	22.40	22.57	22.52	23.5	1
15	QPSK	50	24	18.48	18.32	18.42	18.36	10	0	15	QPSK	50	24	21.45	21.13	21.27	21.24	22	1	15	QPSK	50	24	21.22	21.20	21.18	21.19	22	1	15	QPSK	50	24	22.71	22.60	22.66	22.50	23.5	1
15	QPSK	50	50	18.45	18.35	18.40	18.37	10	0	15	QPSK	50	50	21.47	21.40	21.36	21.37	22	1	15	QPSK	50	50	21.32	21.20	21.17	21.31	22	1	15	QPSK	50	50	22.81	22.45	22.58	22.57	23.5	1
15	QPSK	1	0	18.38	18.33	18.42	18.34	10	0	15	QPSK	1	0	21.50	21.11	21.38	21.14	22	1	15	QPSK	1	0	21.39	21.36	21.23	21.28	22	1	15	QPSK	1	0	22.87	22.55	22.49	22.58	23.5	1
15	QPSK	1	37	18.34	18.30	18.34	18.23	10	0	15	QPSK	1	37	21.42	21.19	21.39	21.18	22	1	15	QPSK	1	37	21.37	21.49	21.40	21.38	22	1	15	QPSK	1	37	22.78	22.58	22.69			

Reduced Power Mode for ECI 16

Band 2_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1880	1880	1900				
20	QPSK	1	0	18.40	18.45	18.42	19.5	0		
20	QPSK	1	49	18.18	18.29	18.18				
20	QPSK	1	99	18.33	18.40	18.31				
20	QPSK	50	0	18.36	18.42	18.40	19.5	0		
20	QPSK	50	24	18.15	18.28	18.32				
20	QPSK	50	50	18.26	18.27	18.30				
20	QPSK	100	0	18.30	18.37	18.35	19.5	0		
20	16QAM	1	0	18.24	18.32	18.24				
20	16QAM	1	49	18.17	18.32	18.31				
20	16QAM	1	99	18.18	18.27	18.39	19.5	0		
20	16QAM	50	0	18.25	18.34	18.31				
20	16QAM	50	24	18.22	18.31	18.31				
20	16QAM	50	50	18.31	18.20	18.27	19.5	0		
20	16QAM	100	0	18.33	18.31	18.27				
20	64QAM	1	0	18.30	18.44	18.22				
20	64QAM	1	49	18.23	18.35	18.28	19.5	0		
20	64QAM	1	99	18.26	18.31	18.27				
20	64QAM	50	0	18.30	18.32	18.27				
20	64QAM	50	24	18.25	18.37	18.25	19.5	0		
20	64QAM	50	50	18.21	18.44	18.25				
20	64QAM	100	0	18.35	18.30	18.27				
Channel				18675	18900	19125	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	18.30	18.31	18.41	19.5	0		
15	QPSK	1	37	18.07	18.17	18.08				
15	QPSK	1	74	18.21	18.37	18.18				
15	QPSK	36	0	18.24	18.28	18.28	19.5	0		
15	QPSK	36	20	18.07	18.27	18.23				
15	QPSK	36	39	18.17	18.23	18.28				
15	QPSK	75	0	18.25	18.34	18.28	19.5	0		
15	16QAM	1	0	18.17	18.31	18.09				
15	16QAM	1	37	18.05	18.17	18.20				
15	16QAM	1	74	18.17	18.23	18.29	19.5	0		
15	16QAM	36	0	18.17	18.25	18.24				
15	16QAM	36	20	18.07	18.28	18.30				
15	16QAM	36	39	18.23	18.18	18.13	19.5	0		
15	16QAM	75	0	18.25	18.22	18.19				
15	64QAM	1	0	18.18	18.29	18.12				
15	64QAM	1	37	18.17	18.27	18.14	19.5	0		
15	64QAM	1	74	18.13	18.18	18.12				
15	64QAM	36	0	18.28	18.23	18.12				
15	64QAM	36	20	18.10	18.35	18.17	19.5	0		
15	64QAM	36	39	18.19	18.22	18.23				
15	64QAM	75	0	18.20	18.26	18.15				
Channel				18650	18900	19150	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	18.33	18.33	18.30	19.5	0		
10	QPSK	1	25	18.12	18.17	18.03				
10	QPSK	1	49	18.23	18.34	18.30				
10	QPSK	25	0	18.22	18.30	18.38	19.5	0		
10	QPSK	25	12	18.03	18.24	18.29				
10	QPSK	25	25	18.14	18.18	18.22				
10	QPSK	50	0	18.27	18.33	18.34	19.5	0		
10	16QAM	1	0	18.16	18.20	18.14				
10	16QAM	1	25	18.10	18.18	18.19				
10	16QAM	1	49	18.05	18.22	18.37	19.5	0		
10	16QAM	25	0	18.12	18.19	18.27				
10	16QAM	25	12	18.17	18.26	18.19				
10	16QAM	25	25	18.20	18.15	18.12	19.5	0		
10	16QAM	50	0	18.28	18.30	18.18				
10	64QAM	1	0	18.17	18.29	18.17				
10	64QAM	1	25	18.16	18.25	18.23	19.5	0		
10	64QAM	1	49	18.21	18.23	18.22				
10	64QAM	25	0	18.23	18.25	18.23				
10	64QAM	25	12	18.23	18.27	18.23	19.5	0		
10	64QAM	25	25	18.15	18.31	18.13				
10	64QAM	50	0	18.31	18.27	18.16				
Channel				18625	18900	19175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	18.32	18.34	18.40	19.5	0		
5	QPSK	1	12	18.17	18.28	18.16				
5	QPSK	1	24	18.26	18.35	18.28				
5	QPSK	12	0	18.22	18.27	18.33	19.5	0		
5	QPSK	12	7	18.11	18.27	18.26				
5	QPSK	12	13	18.24	18.19	18.24				
5	QPSK	25	0	18.25	18.24	18.23	19.5	0		
5	16QAM	1	0	18.23	18.31	18.17				
5	16QAM	1	12	18.12	18.31	18.25				
5	16QAM	1	24	18.06	18.16	18.35	19.5	0		
5	16QAM	12	0	18.23	18.30	18.29				
5	16QAM	12	7	18.11	18.22	18.25				
5	16QAM	12	13	18.16	18.12	18.16	19.5	0		
5	16QAM	25	0	18.18	18.19	18.19				
5	64QAM	1	0	18.19	18.37	18.07				
5	64QAM	1	12	18.12	18.28	18.18	19.5	0		
5	64QAM	1	24	18.19	18.20	18.25				
5	64QAM	12	0	18.23	18.25	18.19				
5	64QAM	12	7	18.16	18.24	18.21	19.5	0		
5	64QAM	12	13	18.13	18.43	18.11				
5	64QAM	25	0	18.34	18.21	18.14				
Channel				18615	18900	19165	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	18.36	18.39	18.37	19.5	0		
3	QPSK	1	8	18.07	18.20	18.17				
3	QPSK	1	14	18.21	18.34	18.27				
3	QPSK	8	0	18.23	18.31	18.29	19.5	0		
3	QPSK	8	4	18.06	18.17	18.19				
3	QPSK	8	7	18.13	18.13	18.17				
3	QPSK	15	0	18.25	18.23	18.31	19.5	0		
3	16QAM	1	0	18.23	18.22	18.16				
3	16QAM	1	8	18.16	18.20	18.18				
3	16QAM	1	14	18.11	18.14	18.30	19.5	0		
3	16QAM	8	0	18.10	18.30	18.19				
3	16QAM	8	4	18.08	18.26	18.29				
3	16QAM	8	7	18.16	18.08	18.21	19.5	0		
3	16QAM	15	0	18.21	18.20	18.21				
3	64QAM	1	0	18.16	18.34	18.15				
3	64QAM	1	8	18.10	18.26	18.26	19.5	0		
3	64QAM	1	14	18.21	18.28	18.17				
3	64QAM	8	0	18.16	18.20	18.22	19.5	0		
3	64QAM	8	4	18.20	18.36	18.16				
3	64QAM	8	7	18.10	18.36	18.12				
3	64QAM	15	0	18.20	18.28	18.24				
Channel				18607	18900	19193	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	18.36	18.32	18.29	19.5	0		
1.4	QPSK	1	3	18.14	18.14	18.20				
1.4	QPSK	1	5	18.25	18.35	18.29				
1.4	QPSK	3	0	18.30	18.28	18.25	19.5	0		
1.4	QPSK	3	1	18.10	18.25	18.24				
1.4	QPSK	3	3	18.14	18.24	18.28				
1.4	QPSK	6	0	18.29	18.22	18.33	19.5	0		
1.4	16QAM	1	0	18.18	18.18	18.10				
1.4	16QAM	1	3	18.11	18.29	18.30				
1.4	16QAM	1	5	18.15	18.16	18.22	19.5	0		
1.4	16QAM	3	0	18.16	18.32	18.25				
1.4	16QAM	3	3	18.18	18.19	18.25				
1.4	16QAM	6	0	18.19	18.26	18.21	19.5	0		
1.4	64QAM	1	0	18.15	18.43	18.10				
1.4	64QAM	1	3	18.16	18.20	18.17				
1.4	64QAM	1	5	18.25	18.30	18.22	19.5	0		
1.4	64QAM	3	0	18.29	18.26	18.23				
1.4	64QAM	3	3	18.21	18.30	18.23				
1.4	64QAM	6	0	18.17	18.30	18.17	19.5	0		
1.4	64QAM	6	0	18.25	18.16	18.26				

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20050	20175	20300				
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.20				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.26	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.19	22.26				
20	QPSK	100	0	22.24	22.29	22.26	23.5	1		
20	16QAM	1	0	22.52	22.53	22.48				
20	16QAM	1	49	22.53	22.51	22.48				
20	16QAM	1	99	22.44	22.36	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.22	21.20	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	21.5	3		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.19	20.19	20.25				
20	64QAM	100	0	20.23	20.19	20.27				
Channel										
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07				
15	64QAM	36	20	20.26	20.20	20.26	21.5	3		
15	64QAM	36	39	20.11	20.05	20.21				
15	64QAM	75	0	20.20	20.08	20.20				
Channel										
Frequency (MHz)				20000	20175	20300	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.14	22.16				
10	QPSK	25	25	22.14	22.14	22.14				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	22.5	2		
10	16QAM	25	0	21.18	21.19	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.13	21.13	21.20	22.5	2		
10	16QAM	50	0	21.17	21.14	21.25				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.36	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.25	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel										
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.16	23.5	1		
5	QPSK	12	7	22.20	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.11	20.14	21.5	3		
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.16	20.11	20.23				
Channel										
Frequency (MHz)				19965	20175	20365	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.97	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.18	22.12				
3	QPSK	8	7	22.19	22.18	22.12				
3	QPSK	15	0	22.39	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.48	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.06	21.12				
3	64QAM	1	0	21.30	21.43	21.29	22.5	2		
3	64QAM	1	8	21.36	21.29	21.40				
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.16	20.15	20.13	21.5	3		
3	64QAM	8	4	20.12	20.13	20.13				
3	64QAM	8	7	20.07	20.04	20.18				
3	64QAM	15	0	20.08	20.08	20.10				
Channel										
Frequency (MHz)				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	5	22.86	23.12	23.18				
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1		
1.4	QPSK	3	1	23.07	23.24	23.19				
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.22	23.5	1		
1.4	16QAM	1	0	22.40	22.38	22.36				
1.4	16QAM	1	3	22.48	22.39	22.38				
1.4	16QAM	1	5	22.40	22.35	22.45	23.5	1		
1.4	16QAM	3	0	22.38	22.39	22.46				
1.4	16QAM	3	3	22.43	22.30	22.46				
1.4	16QAM	6	0	21.21	21.14	21.14	22.5	2		
1.4	64QAM	1	0	21.33	21.38	21.36				
1.4	64QAM	1	3	21.29	21.37	21.41				
1.4	64QAM	1	5	21.16	21.13	21.36	22.5	2		
1.4	64QAM	3	0	21.22	21.43	21.26				
1.4	64QAM	3	1	21.40	21.40	21.36				
1.4	64QAM	3	3	21.21	21.17	21.35	21.5	3		
1.4	64QAM	6	0	20.16	20.11	20.22				

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	25	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.78	23.87	23.90			
10	QPSK	1	25	23.66	23.74	23.83			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74	24	1	
10	QPSK	25	12	22.83	22.87	22.72			
10	QPSK	25	25	21.60	21.78	21.71			
10	QPSK	50	0	22.67	22.75	22.73			
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02	24	1	
10	16QAM	1	49	22.71	23.00	22.97			
10	16QAM	25	0	21.66	21.83	21.74			
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.60	21.78	21.71			
10	16QAM	50	0	21.62	21.73	21.71	23	2	
10	16QAM	50	0	21.83	22.06	21.96			
10	64QAM	1	0	21.85	21.77	21.95			
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	25	0	
5	QPSK	1	0	23.75	23.85	23.83			
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.60	22.72	22.61			
5	QPSK	12	7	22.51	22.56	22.71	24	1	
5	QPSK	12	13	22.55	22.62	22.82			
5	QPSK	25	0	22.56	22.62	22.66			
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.61	22.82	22.93			
5	16QAM	1	24	22.67	22.90	22.86	23	2	
5	16QAM	12	0	21.65	21.54	21.72			
5	16QAM	12	7	21.56	21.64	21.65			
5	16QAM	12	13	21.57	21.73	21.70			
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87	23	2	
5	64QAM	1	12	21.75	21.69	21.94			
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58			
5	64QAM	12	13	20.57	20.55	20.72	22	3	
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5	25	0	
3	QPSK	1	0	23.74	23.81	23.76			
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71			
3	QPSK	8	4	22.62	22.59	22.69	24	1	
3	QPSK	8	7	22.60	22.61	22.69			
3	QPSK	15	0	22.59	22.73	22.64			
3	16QAM	1	0	22.62	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91	23	2	
3	16QAM	8	0	21.65	21.57	21.63			
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64			
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95	23	2	
3	64QAM	1	8	21.78	21.69	21.88			
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57			
3	64QAM	8	7	20.63	20.65	20.73	22	3	
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	25	0	
1.4	QPSK	1	0	23.69	23.72	23.84			
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85			
1.4	QPSK	3	1	23.63	23.68	23.45	24	1	
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.85			
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84	24	1	
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.86	22.86			
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87	23	2	
1.4	64QAM	1	3	21.82	21.73	21.92			
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70			
1.4	64QAM	3	3	21.96	21.99	21.97	22	3	
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.65			
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.55	22.56	22.52	24	1	
10	QPSK	50	0	22.56	22.60	22.47			
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93			
10	16QAM	25	0	21.57	21.47	21.60	23	2	
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62			
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66	23	2	
10	64QAM	1	49	21.62	21.68	21.94			
10	64QAM	25	0	20.50	20.53	20.61	22	3	
10	64QAM	25	12	20.49	20.46	20.48			
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40			
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33	24	1	
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.84	23.03	22.86			
5	16QAM	1	12	22.58	22.71	22.90			
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.46	21.53	23	2	
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.58	21.39	21.48			
5	64QAM	1	0	21.63	21.85	21.75			
5	64QAM	1	12	21.61	21.56	21.64	23	2	
5	64QAM	1	24	21.41	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55	22	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	16	23.44	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.43			
3	QPSK	8	4	22.43	22.44	22.46			
3	QPSK	8	7	22.41	22.52	22.40	24	1	
3	QPSK	15	0	22.54	22.56	22.44			
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89			
3	16QAM	1	16	22.77	22.83	22.83			
3	16QAM	8	0	20.85	21.37	21.46	23	2	
3	16QAM	8	4	21.57	21.30	21.53			
3	16QAM	8	7	21.53	21.37	21.56			
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.71			
3	64QAM	1	8	21.65	21.53	21.55	23	2	
3	64QAM	1	16	21.55	21.61	21.60			
3	64QAM	8	0	20.36	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.38			
3	64QAM	8	7	20.49	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.48	22	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.41			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54			
1.4	QPSK	3	1	23.47	23.59	23.49			
1.4	QPSK	3	3	23.46	23.54	23.45	24	1	
1.4	QPSK	6	0	22.43	22.47	22.39			
1.4	16QAM	1	0	22.78	22.96	22.87			
1.4	16QAM	1	3	22.60	22.69	22.89			
1.4	16QAM	1	5	22.87	22.79	22.87			
1.4	16QAM	3	0	22.80	23.02	22.79	24	1	
1.4	16QAM	3	1	22.67	22.72	22.90			
1.4	16QAM	3	3	22.74	22.72	22.88			
1.4	16QAM	6	0	21.50	21.37	21.58			
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63	23	2	
1.4	64QAM	1	5	21.57	21.67	21.63			
1.4	64QAM	3	0	21.61	21.85	21.88			
1.4	64QAM	3	1	21.63	21.59	21.57			
1.4	64QAM	3	3	21.60	21.54	21.61			
1.4	64QAM	6	0	20.45	20.42	20.50	22		

Band 7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.49	18.60	18.52	20	0	
20	QPSK	1	49	18.48	18.35	18.41			
20	QPSK	1	99	18.32	18.50	18.34			
20	QPSK	50	0	18.50	18.54	18.47			
20	QPSK	50	24	18.41	18.38	18.42	20	0	
20	QPSK	50	50	18.44	18.51	18.44			
20	QPSK	100	0	18.44	18.49	18.42			
20	16QAM	1	0	18.49	18.40	18.39			
20	16QAM	1	49	18.51	18.28	18.30	20	0	
20	16QAM	1	99	18.40	18.35	18.32			
20	16QAM	50	0	18.31	18.42	18.38			
20	16QAM	50	24	18.26	18.35	18.32			
20	16QAM	50	50	18.27	18.49	18.40	20	0	
20	16QAM	100	0	18.44	18.30	18.30			
20	64QAM	1	0	18.41	18.59	18.39			
20	64QAM	1	49	18.39	18.25	18.24			
20	64QAM	1	99	18.29	18.56	18.26	20	0	
20	64QAM	50	0	18.39	18.27	18.26			
20	64QAM	50	24	18.43	18.36	18.39			
20	64QAM	50	50	18.38	18.24	18.28			
20	64QAM	100	0	18.28	18.57	18.28			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.38	18.44	18.50	20	0	
15	QPSK	1	37	18.40	18.24	18.29			
15	QPSK	1	74	18.17	18.40	18.26			
15	QPSK	36	0	18.39	18.51	18.46			
15	QPSK	36	20	18.39	18.35	18.27	20	0	
15	QPSK	36	36	18.36	18.42	18.31			
15	QPSK	75	0	18.36	18.48	18.28			
15	16QAM	1	0	18.39	18.36	18.33			
15	16QAM	1	37	18.40	18.21	18.21	20	0	
15	16QAM	1	74	18.32	18.28	18.20			
15	16QAM	36	0	18.22	18.38	18.30			
15	16QAM	36	20	18.20	18.31	18.28			
15	16QAM	36	36	18.14	18.34	18.27	20	0	
15	16QAM	75	0	18.42	18.29	18.26			
15	64QAM	1	0	18.39	18.54	18.28			
15	64QAM	1	37	18.35	18.20	18.21			
15	64QAM	1	74	18.15	18.48	18.19	20	0	
15	64QAM	36	0	18.26	18.21	18.18			
15	64QAM	36	20	18.30	18.44	18.35			
15	64QAM	36	36	18.26	18.14	18.13			
15	64QAM	75	0	18.20	18.48	18.13			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.41	18.58	18.44	20	0	
10	QPSK	1	25	18.37	18.23	18.40			
10	QPSK	1	49	18.27	18.47	18.33			
10	QPSK	25	0	18.37	18.48	18.39			
10	QPSK	25	12	18.40	18.26	18.38	20	0	
10	QPSK	25	25	18.42	18.43	18.43			
10	QPSK	50	0	18.35	18.42	18.41			
10	16QAM	1	0	18.41	18.39	18.38			
10	16QAM	1	25	18.46	18.18	18.20	20	0	
10	16QAM	1	49	18.32	18.33	18.26			
10	16QAM	25	0	18.22	18.27	18.27			
10	16QAM	25	12	18.12	18.27	18.31			
10	16QAM	25	25	18.17	18.39	18.29	20	0	
10	16QAM	50	0	18.31	18.23	18.21			
10	64QAM	1	0	18.33	18.50	18.34			
10	64QAM	1	25	18.30	18.13	18.22			
10	64QAM	1	49	18.19	18.48	18.15	20	0	
10	64QAM	25	0	18.26	18.26	18.19			
10	64QAM	25	12	18.30	18.45	18.28			
10	64QAM	25	25	18.24	18.13	18.13			
10	64QAM	50	0	18.20	18.47	18.13			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.41	18.54	18.45	20	0	
5	QPSK	1	12	18.47	18.27	18.36			
5	QPSK	1	24	18.31	18.40	18.23			
5	QPSK	12	0	18.36	18.47	18.46			
5	QPSK	12	7	18.36	18.23	18.37	20	0	
5	QPSK	12	13	18.34	18.40	18.35			
5	QPSK	25	0	18.31	18.42	18.29			
5	16QAM	1	0	18.47	18.27	18.31			
5	16QAM	1	12	18.37	18.22	18.16	20	0	
5	16QAM	1	24	18.25	18.30	18.23			
5	16QAM	12	0	18.20	18.31	18.27			
5	16QAM	12	7	18.18	18.22	18.27			
5	16QAM	12	13	18.17	18.48	18.27	20	0	
5	16QAM	25	0	18.37	18.23	18.17			
5	64QAM	1	0	18.35	18.48	18.28			
5	64QAM	1	12	18.25	18.18	18.09			
5	64QAM	1	24	18.17	18.55	18.16	20	0	
5	64QAM	12	0	18.31	18.13	18.23			
5	64QAM	12	7	18.34	18.48	18.25			
5	64QAM	12	13	18.28	18.15	18.17			
5	64QAM	25	0	18.17	18.44	18.21			

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.75	23.85	23.77	24.5	0	
20	QPSK	1	49	23.69	23.77	23.70			
20	QPSK	1	99	23.72	23.85	23.71			
20	QPSK	50	0	22.73	22.79	22.76			
20	QPSK	50	24	22.66	22.74	22.73	23.5	1	
20	QPSK	50	50	22.68	22.77	22.71			
20	QPSK	100	0	22.67	22.75	22.69			
20	16QAM	1	0	22.82	22.90	22.85			
20	16QAM	1	49	22.88	22.91	22.85	23.5		
20	16QAM	1	99	22.79	23.10	23.13			
20	16QAM	50	0	21.59	21.79	21.72			
20	16QAM	50	24	21.66	21.75	21.69			
20	16QAM	50	50	21.74	21.75	21.71	22.5	2	
20	16QAM	100	0	21.60	21.73	21.71			
20	84QAM	1	0	21.80	22.06	22.05			
20	84QAM	1	49	21.77	21.91	21.85			
20	84QAM	1	99	21.80	21.93	22.13	22.5	2	
20	84QAM	50	0	20.61	20.76	20.76			
20	84QAM	50	24	20.68	20.82	20.71			
20	84QAM	50	50	20.71	20.80	20.70			
20	84QAM	100	0	20.78	20.78	20.72	21.5	3	
Channel				20855 <th>21100<th>21375</th></th>	21100 <th>21375</th>	21375			
Frequency (MHz)				2507.5 <th>2535<th>2562.5</th></th>	2535 <th>2562.5</th>	2562.5			
15	QPSK	1	0	23.67	23.79	23.76	24.5	0	
15	QPSK	1	37	23.59	23.65	23.69			
15	QPSK	1	74	23.64	23.70	23.67			
15	QPSK	36	0	22.67	22.70	22.67			
15	QPSK	36	20	22.65	22.66	22.71	23.5	1	
15	QPSK	36	39	22.66	22.69	22.72			
15	QPSK	75	0	22.58	22.75	22.60			
15	QPSK	1	0	22.67	22.66	22.68			
15	16QAM	1	37	22.83	22.80	22.76	23.5	1	
15	16QAM	1	74	22.70	23.03	23.11			
15	16QAM	36	0	21.50	21.71	21.64			
15	16QAM	36	20	21.61	21.63	21.60			
15	16QAM	36	39	21.62	21.68	21.58	22.5	2	
15	16QAM	75	0	21.60	21.71	21.59			
15	84QAM	1	0	21.66	22.05	22.01			
15	84QAM	1	37	21.73	21.89	21.73			
15	84QAM	1	74	21.67	21.78	22.06	21.5	3	
15	84QAM	36	0	20.57	20.69	20.62			
15	84QAM	36	20	20.58	20.81	20.56			
15	84QAM	36	39	20.56	20.77	20.69			
15	84QAM	75	0	20.51	20.74	20.62			
Channel				20800	21100	21400			
Frequency (MHz)				2505 <th>2535<th>2565<th></th><th></th><th></th></th></th>	2535 <th>2565<th></th><th></th><th></th></th>	2565 <th></th> <th></th> <th></th>			
10	QPSK	1	0	23.65	23.79	23.72	24.5	0	
10	QPSK	1	25	23.67	23.69	23.63			
10	QPSK	1	49	23.64	23.70	23.70			
10	QPSK	25	0	22.62	22.66	22.72			
10	QPSK	25	12	22.57	22.67	22.64	23.5	1	
10	QPSK	25	25	22.64	22.63	22.69			
10	QPSK	50	0	22.54	22.73	22.84			
10	16QAM	1	0	22.75	22.80	22.88			
10	16QAM	1	25	22.67	22.68	22.77	23.5	1	
10	16QAM	1	49	22.75	23.08	23.05			
10	16QAM	25	0	21.52	21.73	21.65			
10	16QAM	25	12	21.56	21.64	21.57			
10	16QAM	25	25	21.62	21.67	21.68	22.5		
10	16QAM	50	0	21.51	21.67	21.70			
10	84QAM	1	0	21.72	21.98	21.90			
10	84QAM	1	25	21.67	21.81	21.84			
10	84QAM	1	49	21.67	21.81	21.94	22.5	2	
10	84QAM	25	0	20.48	20.74	20.69			
10	84QAM	25	12	20.65	20.73	20.74			
10	84QAM	25	25	20.60	20.72	20.65			
10	84QAM	50	0	20.62	20.72	20.65	21.5	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5 <th>2535<th>2567.5</th></th>	2535 <th>2567.5</th>	2567.5			
5	QPSK	1	0	23.60	23.85	23.65	24.5	0	
5	QPSK	1	12	23.57	23.74	23.62			
5	QPSK	1	24	23.68	23.64	23.68			
5	QPSK	12	0	22.62	22.68	22.67			
5	QPSK	12	7	22.62	22.69	22.72	23.5	1	
5	QPSK	12	13	22.63	22.66	22.59			
5	QPSK	25	0	22.56	22.65	22.65			
5	16QAM	1	0	22.73	22.81	22.89			
5	16QAM	1	12	22.75	22.84	22.72	23.5	1	
5	16QAM	1	24	22.74	22.99	22.99			
5	16QAM	12	0	21.51	21.67	21.66			
5	16QAM	12	7	21.57	21.94	21.82			
5	16QAM	12	13	21.61	21.67	21.65	22.5	2	
5	16QAM	25	0	21.52	21.62	21.60			
5	84QAM	1	0	21.70	22.04	21.98			
5	84QAM	1	12	21.64	21.82	21.77			
5	84QAM	1	24	21.70	21.88	22.01	22.5	2	
5	84QAM	12	0	20.58	20.68	20.62			
5	84QAM	12	7	20.57	20.68	20.67			
5	84QAM	12	13	20.62	20.75	20.67			
5	84QAM	25	0	20.62	20.73	20.68	21.5	3	

Band 12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.43	23.50	23.45			
10	QPSK	1	25	23.22	23.39	23.29			
10	QPSK	1	49	23.41	23.47	23.22	23.5	1	
10	QPSK	25	0	22.26	22.30	22.35			
10	QPSK	25	12	22.21	22.20	22.22			
10	QPSK	25	25	21.18	21.36	21.25			
10	QPSK	50	0	22.23	22.27	22.24	23.5	1	
10	16QAM	1	0	22.52	22.37	22.60			
10	16QAM	1	25	22.42	22.32	22.35			
10	16QAM	1	49	22.66	22.55	22.61			
10	16QAM	25	0	21.24	21.18	21.20	22.5	2	
10	16QAM	25	12	21.14	21.26	21.18			
10	16QAM	25	25	21.18	21.36	21.25			
10	16QAM	50	0	21.17	21.24	21.23			
10	64QAM	1	0	21.25	21.36	21.22	22.5	2	
10	64QAM	1	25	21.53	21.35	21.40			
10	64QAM	1	49	21.50	21.39	21.35			
10	64QAM	25	0	20.19	20.28	20.21			
10	64QAM	25	12	20.25	20.21	20.31	21.5	3	
10	64QAM	25	25	20.27	20.37	20.23			
10	64QAM	50	0	20.29	20.25	20.23			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.38	23.37	23.38			
5	QPSK	1	12	23.08	23.28	23.15			
5	QPSK	1	24	23.31	23.38	23.19	23.5	1	
5	QPSK	12	0	22.26	22.28	22.21			
5	QPSK	12	7	22.07	22.19	22.07			
5	QPSK	12	13	22.12	22.23	22.16			
5	QPSK	25	0	22.17	22.24	22.16	23.5	1	
5	16QAM	1	0	22.37	22.28	22.56			
5	16QAM	1	12	22.37	22.17	22.33			
5	16QAM	1	24	22.59	22.45	22.59			
5	16QAM	12	0	21.14	21.04	21.11	22.5	2	
5	16QAM	12	7	21.02	21.14	21.14			
5	16QAM	12	13	21.09	21.25	21.13			
5	16QAM	25	0	21.06	21.19	21.16			
5	64QAM	1	0	21.13	21.29	21.08	22.5	2	
5	64QAM	1	12	21.38	21.31	21.25			
5	64QAM	1	24	21.47	21.29	21.34			
5	64QAM	12	0	20.11	20.23	20.19			
5	64QAM	12	7	20.19	20.13	20.27	21.5	3	
5	64QAM	12	13	20.20	20.26	20.16			
5	64QAM	25	0	20.20	20.22	20.08			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.40	23.49	23.35			
3	QPSK	1	8	23.16	23.31	23.21			
3	QPSK	1	14	23.36	23.45	23.21	23.5	1	
3	QPSK	8	0	22.19	22.25	22.19			
3	QPSK	8	4	22.06	22.09	22.11			
3	QPSK	8	7	22.14	22.22	22.16			
3	QPSK	15	0	22.09	22.19	22.20	23.5	1	
3	16QAM	1	0	22.51	22.30	22.59			
3	16QAM	1	8	22.35	22.25	22.28			
3	16QAM	1	14	22.53	22.48	22.54			
3	16QAM	8	0	21.14	21.09	21.06	22.5	2	
3	16QAM	8	4	21.09	21.14	21.16			
3	16QAM	8	7	21.00	21.30	21.11			
3	16QAM	15	0	21.12	21.14	21.22			
3	64QAM	1	0	21.21	21.35	21.09	22.5	2	
3	64QAM	1	8	21.46	21.22	21.39			
3	64QAM	1	14	21.36	21.34	21.29			
3	64QAM	8	0	20.11	20.18	20.17			
3	64QAM	8	4	20.16	20.10	20.27	21.5	3	
3	64QAM	8	7	20.19	20.35	20.20			
3	64QAM	15	0	20.16	20.17	20.22			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.32	23.45	23.37			
1.4	QPSK	1	3	23.16	23.26	23.17			
1.4	QPSK	1	5	23.38	23.40	23.21	23.5	1	
1.4	QPSK	3	0	23.39	23.42	23.42			
1.4	QPSK	3	1	23.20	23.28	23.17			
1.4	QPSK	3	3	23.36	23.40	23.09			
1.4	QPSK	6	0	22.20	22.18	22.20	23.5	1	
1.4	16QAM	1	0	22.45	22.28	22.55			
1.4	16QAM	1	3	22.30	22.26	22.30			
1.4	16QAM	1	5	22.58	22.51	22.46			
1.4	16QAM	3	0	22.46	22.25	22.46	22.5	2	
1.4	16QAM	3	1	22.33	22.26	22.26			
1.4	16QAM	3	3	22.62	22.48	22.46			
1.4	16QAM	6	0	21.11	21.11	21.10			
1.4	64QAM	1	0	21.19	21.27	21.19	22.5	2	
1.4	64QAM	1	3	21.42	21.21	21.29			
1.4	64QAM	1	5	21.43	21.30	21.25			
1.4	64QAM	3	0	21.13	21.32	21.14			
1.4	64QAM	3	1	21.38	21.20	21.27	21.5	3	
1.4	64QAM	3	3	21.36	21.35	21.24			
1.4	64QAM	6	0	20.22	20.22	20.19			

Band 12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.66	23.72	23.69	23.5	1	
10	QPSK	1	25	23.60	23.64	23.54			
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.55	22.60	22.53			
10	QPSK	25	12	22.51	22.52	22.51	23.5	1	
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47			
10	16QAM	1	0	22.95	22.63	22.99			
10	16QAM	1	25	22.94	22.69	22.70	23.5	1	
10	16QAM	1	49	22.99	22.76	22.64			
10	16QAM	25	0	21.52	21.64	21.46			
10	16QAM	25	12	21.43	21.53	21.43			
10	16QAM	25	25	21.60	21.54	21.44	22.5	2	
10	16QAM	50	0	21.56	21.56	21.44			
10	64QAM	1	0	21.75	21.73	21.67			
10	64QAM	1	25	21.85	21.80	21.77			
10	64QAM	1	49	21.71	21.69	21.84	22.5	2	
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48			
10	64QAM	25	25	20.51	20.49	20.49			
10	64QAM	50	0	20.53	20.52	20.46	21.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.55	23.70	23.57			
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28			
5	QPSK	12	0	22.53	22.51	22.50			
5	QPSK	12	7	22.49	22.49	22.37	23.5	1	
5	QPSK	12	13	22.48	22.51	22.31			
5	QPSK	25	0	22.44	22.52	22.42			
5	16QAM	1	0	22.87	22.57	22.90			
5	16QAM	1	12	22.87	22.61	22.67	23.5	1	
5	16QAM	1	24	22.85	22.68	22.52			
5	16QAM	12	0	21.46	21.59	21.41			
5	16QAM	12	7	21.40	21.50	21.30			
5	16QAM	12	13	21.54	21.43	21.29	22.5	2	
5	16QAM	25	0	21.44	21.42	21.37			
5	64QAM	1	0	21.71	21.71	21.81			
5	64QAM	1	12	21.81	21.88	21.74			
5	64QAM	1	24	21.66	21.65	21.71	22.5	2	
5	64QAM	12	0	20.30	20.30	20.45			
5	64QAM	12	7	20.55	20.48	20.35			
5	64QAM	12	13	20.48	20.39	20.42			
5	64QAM	25	0	20.44	20.39	20.48	21.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5 <th>707.5</th> <th>714.5</th>	707.5	714.5			
3	QPSK	1	0	23.58	23.63	23.68			
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	16	23.56	23.35	23.37			
3	QPSK	8	0	22.43	22.41	22.59			
3	QPSK	8	4	22.46	22.42	22.45	23.5	1	
3	QPSK	8	7	22.49	22.59	22.40			
3	QPSK	15	0	22.48	22.49	22.43			
3	16QAM	1	0	22.91	22.57	22.96			
3	16QAM	1	8	22.91	22.65	22.68	23.5	1	
3	16QAM	1	16	22.93	22.66	22.55			
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.30			
3	16QAM	8	7	21.55	21.43	21.31	22.5	2	
3	16QAM	15	0	21.49	21.50	21.39			
3	64QAM	1	0	21.64	21.67	21.81			
3	64QAM	1	8	21.81	21.83	21.74			
3	64QAM	1	16	21.68	21.66	21.83	22.5	2	
3	64QAM	8	0	20.35	20.36	20.46			
3	64QAM	8	4	20.46	20.48	20.34			
3	64QAM	8	7	20.43	20.41	20.43			
3	64QAM	15	0	20.40	20.49	20.35	21.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.56	23.60	23.67			
1.4	QPSK	1	3	23.57	23.60	23.61			
1.4	QPSK	1	5	23.51	23.41	23.25			
1.4	QPSK	3	0	23.65	23.66	23.25			
1.4	QPSK	3	1	23.57	23.62	23.48	23.5	1	
1.4	QPSK	3	3	23.57	23.42	23.27			
1.4	QPSK	6	0	22.39	22.47	22.43			
1.4	16QAM	1	0	22.93	22.51	22.88			
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1	
1.4	16QAM	1	5	22.87	22.64	22.52			
1.4	16QAM	3	0	22.89	22.48	22.93			
1.4	16QAM	3	1	22.87	22.59	22.63			
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2	
1.4	16QAM	6	0	21.52	21.51	21.37			
1.4	64QAM	1	0	21.70	21.69	21.79			
1.4	64QAM	1	3	21.74	21.82	21.67			
1.4	64QAM	1	5	21.56	21.56	21.82	22.5	2	
1.4	64QAM	3	0	21.70	21.63	21.79			
1.4	64QAM	3	1	21.79	21.85	21.72			
1.4	64QAM	3	3	21.74	21.54	21.73			
1.4	64QAM	6	0	20.52	20.45	20.46	21.5		

Band 66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				130072	132022	132572				
20	QPSK	1	0	23.40	23.45	23.44	24.5	0		
20	QPSK	1	49	23.34	23.35	23.42				
20	QPSK	1	99	23.12	23.24	23.26				
20	QPSK	50	0	22.36	22.42	22.40	23.5	1		
20	QPSK	50	24	22.30	22.33	22.35				
20	QPSK	50	50	22.26	22.28	22.38				
20	QPSK	100	0	22.32	22.40	22.36	23.5	1		
20	16QAM	1	0	22.59	22.48	22.65				
20	16QAM	1	49	22.64	22.57	22.64				
20	16QAM	1	99	22.42	22.45	22.47	22.5	2		
20	16QAM	50	0	21.28	21.33	21.45				
20	16QAM	50	24	21.29	21.33	21.42				
20	16QAM	50	50	21.23	21.30	21.39	22.5	2		
20	64QAM	1	0	21.40	21.38	21.55				
20	64QAM	1	49	21.40	21.51	21.52				
20	64QAM	1	99	21.31	21.38	21.46	21.5	3		
20	64QAM	50	0	20.30	20.34	20.49				
20	64QAM	50	24	20.32	20.34	20.44				
20	64QAM	50	50	20.27	20.29	20.38	21.5	3		
20	64QAM	100	0	20.25	20.31	20.41				
Channel										
Frequency (MHz)				132047	132022	132597	Turn-up limit (dBm)	MPR (dB)		
				1717.5	1745	1772.5				
15	QPSK	1	0	23.38	23.38	23.30	24.5	0		
15	QPSK	1	37	23.27	23.31	23.31				
15	QPSK	1	74	23.04	23.10	23.15				
15	QPSK	36	0	22.23	22.33	22.26	23.5	1		
15	QPSK	36	20	22.19	22.31	22.33				
15	QPSK	36	39	22.14	22.13	22.23				
15	QPSK	75	0	22.28	22.37	22.23	23.5	1		
15	16QAM	1	0	22.56	22.35	22.53				
15	16QAM	1	37	22.63	22.43	22.58				
15	16QAM	1	74	22.33	22.36	22.46	22.5	2		
15	16QAM	36	0	21.14	21.30	21.44				
15	16QAM	36	20	21.23	21.27	21.33				
15	16QAM	36	39	21.13	21.14	21.26	22.5	2		
15	16QAM	75	0	21.22	21.26	21.38				
15	64QAM	1	0	21.33	21.34	21.52				
15	64QAM	1	37	21.26	21.47	21.38	22.5	2		
15	64QAM	1	74	21.29	21.36	21.33				
15	64QAM	36	0	20.19	20.32	20.43				
15	64QAM	36	20	20.29	20.20	20.38	21.5	3		
15	64QAM	36	39	20.28	20.25	20.34				
15	64QAM	75	0	20.21	20.23	20.33				
Channel										
Frequency (MHz)				132022	132022	132622	Turn-up limit (dBm)	MPR (dB)		
				1715	1745	1775				
10	QPSK	1	0	23.39	23.31	23.37	24.5	0		
10	QPSK	1	25	23.21	23.33	23.29				
10	QPSK	1	49	23.10	23.14	23.16				
10	QPSK	25	0	22.29	22.37	22.27	23.5	1		
10	QPSK	25	12	22.18	22.22	22.23				
10	QPSK	25	25	22.19	22.25	22.31				
10	QPSK	50	0	22.30	22.30	22.34	23.5	1		
10	16QAM	1	0	22.46	22.34	22.51				
10	16QAM	1	25	22.56	22.50	22.63				
10	16QAM	1	49	22.33	22.42	22.40	22.5	2		
10	16QAM	25	0	21.19	21.24	21.36				
10	16QAM	25	12	21.19	21.28	21.37				
10	16QAM	25	25	21.19	21.26	21.33	22.5	2		
10	16QAM	50	0	21.16	21.22	21.25				
10	16QAM	50	12	21.16	21.22	21.25				
10	64QAM	1	0	21.30	21.23	21.52	22.5	2		
10	64QAM	1	25	21.26	21.41	21.43				
10	64QAM	1	49	21.30	21.27	21.43				
10	64QAM	25	0	20.20	20.32	20.37	21.5	3		
10	64QAM	25	12	20.23	20.29	20.34				
10	64QAM	25	25	20.15	20.21	20.25				
10	64QAM	50	0	20.14	20.28	20.37	21.5	3		
Channel										
Frequency (MHz)				131987	132022	132647	Turn-up limit (dBm)	MPR (dB)		
				1712.5	1745	1777.5				
5	QPSK	1	0	23.35	23.39	23.32	24.5	0		
5	QPSK	1	12	23.29	23.27	23.36				
5	QPSK	1	24	23.00	23.12	23.11				
5	QPSK	12	0	22.24	22.33	22.26	23.5	1		
5	QPSK	12	7	22.21	22.31	22.26				
5	QPSK	12	13	22.11	22.18	22.25				
5	QPSK	25	0	22.17	22.32	22.21	23.5	1		
5	16QAM	1	0	22.54	22.35	22.61				
5	16QAM	1	12	22.59	22.44	22.58				
5	16QAM	1	24	22.37	22.42	22.40	22.5	2		
5	16QAM	12	0	21.25	21.29	21.44				
5	16QAM	12	7	21.24	21.19	21.28				
5	16QAM	12	13	21.24	21.21	21.29	22.5	2		
5	16QAM	25	0	21.21	21.27	21.24				
5	64QAM	1	0	21.26	21.34	21.49				
5	64QAM	1	12	21.27	21.36	21.45	22.5	2		
5	64QAM	1	24	21.30	21.27	21.32				
5	64QAM	12	0	20.20	20.25	20.35				
5	64QAM	12	7	20.29	20.27	20.29	21.5	3		
5	64QAM	12	13	20.21	20.28	20.32				
5	64QAM	25	0	20.10	20.21	20.28				
Channel										
Frequency (MHz)				131987	132022	132657	Turn-up limit (dBm)	MPR (dB)		
				1711.5	1745	1778.5				
3	QPSK	1	0	23.27	23.41	23.40	24.5	0		
3	QPSK	1	8	23.32	23.20	23.36				
3	QPSK	1	14	22.99	23.17	23.22				
3	QPSK	8	0	22.31	22.32	22.34	23.5	1		
3	QPSK	8	4	22.18	22.29	22.34				
3	QPSK	8	7	22.24	22.13	22.35				
3	QPSK	15	0	22.20	22.31	22.22	23.5	1		
3	16QAM	1	0	22.48	22.45	22.54				
3	16QAM	1	8	22.49	22.48	22.51				
3	16QAM	1	14	22.40	22.37	22.48	22.5	2		
3	16QAM	8	0	21.22	21.19	21.39				
3	16QAM	8	4	21.14	21.22	21.37				
3	16QAM	8	7	21.15	21.18	21.32	22.5	2		
3	16QAM	15	0	21.14	21.18	21.33				
3	64QAM	1	0	21.32	21.24	21.43	22.5	2		
3	64QAM	1	8	21.26	21.45	21.49				
3	64QAM	1	14	21.16	21.31	21.45				
3	64QAM	8	0	20.29	20.30	20.47	21.5	3		
3	64QAM	8	4	20.24	20.30	20.33				
3	64QAM	8	7	20.24	20.19	20.33				
3	64QAM	15	0	20.18	20.25	20.36	21.5	3		
Channel										
Frequency (MHz)				131979	132022	132665	Turn-up limit (dBm)	MPR (dB)		
				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0		
1.4	QPSK	1	3	23.27	23.33	23.38				
1.4	QPSK	1	5	23.04	23.11	23.19				
1.4	QPSK	3	0	23.37	23.41	23.36	23.5	1		
1.4	QPSK	3	1	23.36	23.30	23.38				
1.4	QPSK	3	3	23.07	23.19	23.22				
1.4	QPSK	6	0	22.21	22.34	22.35	23.5	1		
1.4	16QAM	1	0	22.52	22.45	22.63				
1.4	16QAM	1	3	22.58	22.47	22.58				
1.4	16QAM	1	5	22.30	22.41	22.50	23.5	1		
1.4	16QAM	3	0	22.47	22.42	22.65				
1.4	16QAM	3	1	22.56	22.42	22.56				
1.4	16QAM	3	3	22.26	22.34	22.34	22.5	2		
1.4	64QAM	1	0	21.29	21.37	21.42				
1.4	64QAM	1	3	21.25	21.41	21.45				
1.4	64QAM	1	5	21.19	21.29	21.36	22.5	2		
1.4	64QAM	3	0	21.29	21.37	21.53				
1.4	64QAM	3	1	21.36	21.30	21.45				
1.4	64QAM	3	3	21.23	21.37	21.32	21.5	3		
1.4	64QAM	6	0	20.14	20.28	20.31				

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24.5	0	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.38	23.41	23.24	24.5	0	
20	QPSK	1	49	23.21	23.24	23.20			
20	QPSK	1	99	23.16	23.22	23.22			
20	QPSK	50	0	22.35	22.39	22.26			
20	QPSK	50	24	22.29	22.29	22.25	23.5	1	
20	QPSK	50	50	22.53	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.26			
20	16QAM	1	0	22.53	22.52	22.53			
20	16QAM	1	49	22.48	22.44	22.48	23.5	1	
20	16QAM	1	99	22.49	22.54	22.56			
20	16QAM	50	0	21.35	21.21	21.23			
20	16QAM	50	24	21.27	21.26	21.27			
20	16QAM	50	50	21.34	21.29	21.25	22.5	2	
20	16QAM	100	0	21.35	21.22	21.25			
20	64QAM	1	0	21.42	21.44	21.46			
20	64QAM	1	49	21.34	21.45	21.35			
20	64QAM	1	99	21.40	21.49	21.51	21.5	3	
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.28	20.31	20.29			
20	64QAM	50	50	20.35	20.31	20.27			
20	64QAM	100	0	20.36	20.26	20.24	21.5	3	
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5	24.5	0	
15	QPSK	1	0	23.30	23.31	23.08			
15	QPSK	1	37	23.12	23.06	23.10	23.5	1	
15	QPSK	1	74	23.11	22.99	23.13			
15	QPSK	36	0	22.26	22.14	22.04			
15	QPSK	36	20	22.07	22.04	22.06			
15	QPSK	36	39	22.20	22.25	22.15	23.5	1	
15	QPSK	75	0	22.22	22.16	22.06			
15	16QAM	1	0	22.36	22.46	22.44			
15	16QAM	1	37	22.36	22.20	22.24			
15	16QAM	1	74	22.39	22.34	22.45	22.5	2	
15	16QAM	36	0	21.12	20.97	21.14			
15	16QAM	36	20	21.06	21.21	21.21			
15	16QAM	36	39	21.09	21.16	21.24			
15	16QAM	75	0	21.29	21.09	21.05	22.5	2	
15	64QAM	1	0	21.22	21.27	21.22			
15	64QAM	1	37	21.19	21.36	21.24			
15	64QAM	1	74	21.30	21.28	21.44			
15	64QAM	36	0	20.15	20.16	20.00	21.5	3	
15	64QAM	36	20	20.17	20.25	20.24			
15	64QAM	36	39	20.24	20.25	20.10			
15	64QAM	75	0	20.27	20.14	20.08			
Channel				133172	133297	133422	24.5	0	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.28	23.18	23.17	23.5	1	
10	QPSK	1	25	23.03	23.18	23.07			
10	QPSK	1	49	22.98	23.00	23.08			
10	QPSK	25	0	22.30	22.15	22.16			
10	QPSK	25	12	22.21	22.07	22.06	23.5	1	
10	QPSK	25	25	22.18	21.96	21.99			
10	QPSK	50	0	22.25	22.19	22.09			
10	16QAM	1	0	22.37	22.43	22.41			
10	16QAM	1	25	22.36	22.31	22.26	23.5	1	
10	16QAM	1	49	22.39	22.31	22.46			
10	16QAM	25	0	21.16	21.05	21.03			
10	16QAM	25	12	21.14	21.20	21.19			
10	16QAM	25	25	21.15	21.22	21.10	22.5	2	
10	16QAM	50	0	21.29	21.03	21.06			
10	64QAM	1	0	21.35	21.32	21.34			
10	64QAM	1	25	21.19	21.38	21.12			
10	64QAM	1	49	21.33	21.26	21.43	21.5	3	
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21			
10	64QAM	25	25	20.24	20.19	20.08			
10	64QAM	50	0	20.21	20.19	20.06	21.5	3	
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5	24.5	0	
5	QPSK	1	0	23.27	23.35	23.10			
5	QPSK	1	12	23.04	23.09	23.00	23.5	1	
5	QPSK	1	24	23.02	23.09	23.02			
5	QPSK	12	0	22.22	22.30	22.09			
5	QPSK	12	7	22.21	22.20	22.09			
5	QPSK	12	13	22.12	22.11	22.10	23.5	1	
5	QPSK	25	0	22.26	22.12	22.07			
5	16QAM	1	0	22.34	22.33	22.36			
5	16QAM	1	12	22.30	22.36	22.43			
5	16QAM	1	24	22.29	22.36	22.42	22.5	2	
5	16QAM	12	0	21.29	20.98	21.18			
5	16QAM	12	7	21.07	21.18	21.18			
5	16QAM	12	13	21.26	21.16	21.01			
5	16QAM	25	0	21.15	21.05	21.09	22.5	2	
5	64QAM	1	0	21.24	21.20	21.33			
5	64QAM	1	12	21.20	21.30	21.17			
5	64QAM	1	24	21.31	21.29	21.36			
5	64QAM	12	0	20.10	20.17	20.13	21.5	3	
5	64QAM	12	7	20.15	20.18	20.10			
5	64QAM	12	13	20.20	20.06	20.22			
5	64QAM	25	0	20.19	20.18	20.08			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24.5	0	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.50			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.67			
20	QPSK	50	24	22.64	22.63	22.53	23.5	1	
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53			
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74	23.5	1	
20	16QAM	1	99	22.77	22.79	22.69			
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.58			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66			
20	64QAM	1	99	21.63	21.72	21.62	21.5	3	
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.63			
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55	21.5	3	
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5	24.5	0	
15	QPSK	1	0	23.51	23.45	23.48			
15	QPSK	1	37	23.36	23.33	23.48	23.5	1	
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52			
15	QPSK	36	20	22.48	22.45	22.35			
15	QPSK	36	39	22.44	22.54	22.41	23.5	1	
15	QPSK	75	0	22.43	22.50	22.42			

Band 41_Ant 1												
BW (MHz)	Modulation	RIS Slot	RIS Offset	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Time Slot (sec)	MPR (dB)	
Channel												
				38750	40165	40620	41075	41530	41985			
20	QPSK	1	0	10.83	10.83	10.83	10.83	10.83	10.83			
20	QPSK	1	48	10.83	10.83	10.83	10.83	10.83	10.83	21.5	0	
20	QPSK	1	96	10.87	10.92	10.20	10.20	10.90	10.20			
20	QPSK	1	144	10.87	10.92	10.20	10.20	10.90	10.20			
20	QPSK	1	192	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	240	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	288	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	336	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	384	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	432	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	480	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	528	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	576	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	624	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	672	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	720	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	768	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	816	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	864	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	912	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	960	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1008	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1056	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	1104	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1152	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1200	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	1248	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1296	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1344	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	1392	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1440	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1488	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	1536	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1584	10.84	10.74	10.34	10.32	10.90	10.20			
20	QPSK	1	1632	10.84	10.74	10.34	10.32	10.90	10.20	21.5	0	
20	QPSK	1	1680	10.84	10.74	10.34	10.32	10.90	10.20			
Channel												
				38725	40172.5	40625	41082.5	41537.5	41992.5			
20	QPSK	1	0	10.83	10.90	10.90	10.93	10.89	10.93			
20	QPSK	1	36	10.87	10.73	10.20	10.20	10.89	10.18	21.5	0	
20	QPSK	1	72	10.80	10.90	10.20	10.18	10.90	10.20			
20	QPSK	1	108	10.87	10.74	10.20	10.20	10.89	10.18	21.5	0	
20	QPSK	1	144	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	180	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	216	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	252	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	288	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	324	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	360	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	396	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	432	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	468	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	504	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	540	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	576	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	612	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	648	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	684	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	720	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	756	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	792	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	828	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	864	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	900	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	936	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	972	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1008	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1044	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1080	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1116	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1152	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1188	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1224	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1260	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1296	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1332	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1368	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1404	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1440	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1476	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1512	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1548	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1584	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1620	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1656	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1692	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1728	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1764	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1800	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1836	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1872	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1908	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	1944	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	1980	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2016	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2052	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2088	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2124	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2160	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2196	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2232	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2268	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2304	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2340	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2376	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2412	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2448	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2484	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2520	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2556	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2592	10.74	10.73	10.23	10.79	10.20	10.20			
20	QPSK	1	2628	10.74	10.73	10.23	10.79	10.20	10.20	21.5	0	
20	QPSK	1	2664	10.74	10.73	10.23						

[illegible]

Band 41_Ant 4												
BS	Modulation	RB Size	BS Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Time Slot (ms)	MPR
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)												
2G	QPSK	5	0	23.40	23.40	23.40	23.40	23.40				
2G	QPSK	5	48	23.37	23.38	23.38	23.38	23.38	24.5	0		
2G	QPSK	5	96	23.44	23.38	23.31	23.24	23.18				
2G	QPSK	5	144	23.48	23.38	23.31	23.24	23.18				
2G	QPSK	96	24	22.37	22.37	22.37	22.37	22.37	23.5	1		
2G	QPSK	96	72	22.46	22.37	22.31	22.25	22.19				
2G	QPSK	192	0	22.45	22.37	22.31	22.25	22.19				
2G	HQPSK	5	0	23.54	23.38	23.28	23.23	23.21				
2G	HQPSK	5	48	23.49	23.38	23.28	23.23	23.21	23.5	1		
2G	HQPSK	5	96	23.61	23.39	23.25	23.40	23.28				
2G	HQPSK	5	144	23.48	23.38	23.28	23.23	23.21				
2G	HQPSK	96	24	21.48	21.38	21.54	21.34	21.27	22.5	1		
2G	HQPSK	96	72	21.49	21.38	21.54	21.34	21.27				
2G	HQPSK	192	0	21.53	21.33	21.12	21.30	21.28				
2G	HQPSK	192	48	21.54	21.33	21.12	21.30	21.28				
2G	HQPSK	192	96	21.54	21.14	21.04	21.19	21.26	22.5	1		
2G	HQPSK	192	144	21.54	21.14	21.04	21.19	21.26				
2G	HQPSK	192	192	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	240	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	288	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	336	21.51	21.12	20.93	21.11	21.08	21.5	1		
2G	HQPSK	192	384	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	432	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	480	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	528	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	576	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	624	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	672	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	720	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	768	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	816	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	864	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	912	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	960	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1008	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1056	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1104	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1152	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1200	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1248	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1296	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1344	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1392	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1440	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1488	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1536	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1584	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1632	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1680	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1728	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1776	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1824	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1872	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1920	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	1968	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2016	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2064	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2112	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2160	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2208	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2256	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2304	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2352	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2400	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2448	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2496	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2544	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2592	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2640	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2688	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2736	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2784	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2832	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2880	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2928	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	2976	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3024	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3072	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3120	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3168	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3216	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3264	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3312	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3360	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3408	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3456	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3504	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3552	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3600	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3648	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3696	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3744	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3792	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3840	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3888	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3936	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	3984	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4032	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4080	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4128	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4176	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4224	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4272	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4320	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4368	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4416	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4464	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4512	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4560	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4608	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4656	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4704	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4752	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4800	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4848	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4896	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4944	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	4992	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	5040	21.51	21.12	20.93	21.11	21.08				
2G	HQPSK	192	5088	21.51								

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-on time (min)	APR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-on time (min)	APR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-on time (min)	APR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-on time (min)	APR (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	17.04	16.94	16.84	17.02			20	QPSK	1	0	22.58	22.48	22.38	22.45			20	QPSK	1	0	22.48	22.41	22.31	22.45			20	QPSK	1	0	23.88	23.87	23.77	23.88		
20	QPSK	1	48	16.88	16.79	16.82	16.82	17.5	0	20	QPSK	1	48	22.49	22.39	22.50	22.52	23	0	20	QPSK	1	48	22.41	22.43	22.29	22.33	23	0	20	QPSK	1	48	23.75	23.67	23.73	23.68	24.5	0
20	QPSK	1	80	16.80	16.80	16.80	16.80			20	QPSK	1	80	22.51	22.36	22.50	22.50			20	QPSK	1	80	22.51	22.36	22.50	22.50			20	QPSK	1	80	23.77	23.67	23.76	23.70		
20	QPSK	50	0	17.04	16.92	16.87	16.90			20	QPSK	50	0	21.57	21.42	21.72	21.42			20	QPSK	50	0	21.47	21.43	21.70	21.46			20	QPSK	50	0	22.85	22.84	22.77	22.72		
20	QPSK	50	24	16.91	16.78	16.80	16.82	17.5	0	20	QPSK	50	24	21.54	21.27	21.41	21.37	22	1	20	QPSK	50	24	21.34	21.38	21.32	21.39	22	1	20	QPSK	50	24	22.77	22.68	22.61	22.66	23.5	1
20	QPSK	100	0	16.80	16.80	16.80	16.80			20	QPSK	100	0	21.48	21.37	21.42	21.42			20	QPSK	100	0	21.48	21.48	21.48	21.48			20	QPSK	100	0	22.82	22.58	22.59	22.62		
20	QPSK	100	24	16.90	16.80	16.80	16.80	17.5	0	20	QPSK	100	24	21.53	21.32	21.47	21.50	22	1	20	QPSK	100	24	21.43	21.48	21.44	21.47	22	1	20	QPSK	100	24	22.74	22.57	22.58	22.62	23.5	1
20	QPSK	160	0	16.80	16.80	16.80	16.80			20	QPSK	160	0	21.54	21.30	21.44	21.32	22	1	20	QPSK	160	0	21.46	21.46	21.46	21.46			20	QPSK	160	0	22.82	22.58	22.59	22.62		
20	QPSK	160	24	16.90	16.76	16.80	16.81	17.5	0	20	QPSK	160	24	21.55	21.32	21.46	21.36			20	QPSK	160	24	21.45	21.45	21.45	21.45			20	QPSK	160	24	22.82	22.58	22.59	22.62	23.5	1
20	QPSK	240	0	16.80	16.80	16.80	16.80			20	QPSK	240	0	21.56	21.36	21.44	21.36			20	QPSK	240	0	21.56	21.56	21.56	21.56			20	QPSK	240	0	22.82	22.58	22.59	22.62		
20	QPSK	240	24	16.90	16.76	16.80	16.81	17.5	0	20	QPSK	240	24	21.56	21.36	21.44	21.36			20	QPSK	240	24	21.56	21.56	21.56	21.56			20	QPSK	240	24	22.82	22.58	22.59	22.62	23.5	1
20	QPSK	400	0	17.00	16.72	16.70	16.84			20	QPSK	400	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	400	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	400	0	22.82	22.58	22.59	22.62		
20	QPSK	400	24	16.90	16.70	16.72	16.84	17.5	0	20	QPSK	400	24	21.54	21.20	21.40	21.30			20	QPSK	400	24	21.54	21.20	21.40	21.30	21	2	20	QPSK	400	24	22.82	22.58	22.59	22.62	23.5	1
20	QPSK	800	0	16.80	16.80	16.80	16.80			20	QPSK	800	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	800	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	800	0	22.82	22.58	22.59	22.62		
20	QPSK	800	24	16.90	16.82	16.80	16.81	17.5	0	20	QPSK	800	24	21.54	21.20	21.40	21.30			20	QPSK	800	24	21.54	21.20	21.40	21.30	21	2	20	QPSK	800	24	22.82	22.58	22.59	22.62	23.5	1
20	QPSK	1600	0	16.80	16.80	16.80	16.80			20	QPSK	1600	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	1600	0	21.54	21.20	21.40	21.30	21	2	20	QPSK	1600	0	22.82	22.58	22.59	22.62		
20	QPSK	1600	24	16.90	16.84	16.84	16.86	17.5	0	20	QPSK	1600	24	21.54	21.20	21.40	21.30			20	QPSK	1600	24	21.54	21.20	21.40	21.30	21	2	20	QPSK	1600	24	22.82	22.58	22.59	22.62	23.5	1
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	16.84	16.86	16.84	16.87			15	QPSK	1	0	22.48	22.18	22.48	22.48			15	QPSK	1	0	22.38	22.17	22.38	22.38			15	QPSK	1	0	23.78	23.48	23.48	23.48		
15	QPSK	1	36	16.74	16.76	16.77	16.82	17.5	0	15	QPSK	1	36	22.48	22.17	22.48	22.28	23	0	15	QPSK	1	36	22.47	22.24	22.11	22.28	23	0	15	QPSK	1	36	23.65	23.38	23.41	23.42	24.5	0
15	QPSK	1	74	16.83	16.78	16.77	16.77			15	QPSK	1	74	22.45	22.09	22.47	22.19			15	QPSK	1	74	22.65	22.31	22.17	22.29			15	QPSK	1	74	23.67	23.38	23.41	23.42		
15	QPSK	36	0	16.86	16.76	16.76	16.86			15	QPSK	36	0	21.48	21.32	21.40	21.31			15	QPSK	36	0	21.23	21.27	21.28	21.27			15	QPSK	36	0	22.78	22.63	22.63	22.70		
15	QPSK	36	24	16.78	16.71	16.70	16.78	17.5	0	15	QPSK	36	24	21.38	20.99	21.30	21.24	22	1	15	QPSK	36	24	21.22	21.20	21.09	21.24	22	1	15	QPSK	36	24	22.84	22.62	22.67	22.62	23.5	1
15	QPSK	36	50	16.78	16.73	16.83	16.84			15	QPSK	36	50	21.45	21.13	21.27	21.24			15	QPSK	36	50	21.12	21.20	21.18	21.19			15	QPSK	36	50	22.71	22.60	22.66	22.60		
15	QPSK	50	0	16.87	16.80	16.80	16.80			15	QPSK	50	0	21.47	21.06	21.30	21.14	22	1	15	QPSK	50	0	21.32	21.20	21.17	21.31			15	QPSK	50	0	22.87	22.53	22.58	22.57		
15	QPSK	50	24	16.78	16.80	16.81	16.80	17.5	0	15	QPSK	50	24	21.50	21.11	21.38	21.14			15	QPSK	50	24	21.39	21.36	21.23	21.28			15	QPSK	50	24	22.87	22.53	22.49	22.58	23.5	1
15	QPSK	100	0	16.80	16.72	16.73	16.84			15	QPSK	100	0	21.42	21.19	21.39	21.18	22	1	15	QPSK	100	0	21.37	21.21	21.49	21.20	22	1	15	QPSK	100	0	22.78	22.58	22.60	22.54	23.5	1
15	QPSK	100	24	16.81	16.82	16.84	16.84	17.5	0	15	QPSK	100	24	21.50	21.10	21.37	21.20			15	QPSK	100	24	21.50	21.10	21.37	21.20	21	2	15	QPSK	100	24	22.78	22.53	22.57	22.57		
15	QPSK	160	0	16.87	16.80	16.84	16.84			15	QPSK	160	0	21.52	21.14	21.30	21.27			15	QPSK	160	0	21.52	21.14	21.30	21.27			15	QPSK	160	0	22.87	22.53	22.57	22.57		
15	QPSK	160	24	16.84	16.82	16.80	16.75	17.5	0	15	QPSK	160	24	21.50	21.01	21.30	21.20	21	2	15	QPSK	160	24	21.50	21.01	21.30	21.20	21	2	15	QPSK	160	24	22.87	22.53	22.57	22.57	23.5	1
15	QPSK	320	0	16.87	16.80	16.83	16.77			15	QPSK	320	0	21.52	21.14	21.30	21.27			15	QPSK	320	0	21.52	21.14	21.30	21.27			15	QPSK	320	0	22.87	22.53	22.57	22.57		
15	QPSK	320	24	16.84	16.82	16.80	16.75	17.5	0	15	QPSK	320	24	21.50	21.01	21.30	21.20	21	2	15	QPSK	320	24	21.50	21.01	21.30	21.20	21	2	15	QPSK	320	24	22.87	22.53	22.57	22.57	23.	

Reduced Power Mode for ECI 17

Band 2_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				18700	18800	19100							
20	QPSK	1	0	23.41	23.43	23.38	24.5	0					
20	QPSK	1	48	23.38	23.40	23.37							
20	QPSK	1	96	23.29	23.32	23.31							
20	QPSK	50	0	22.37	22.40	22.36							
20	QPSK	50	24	22.32	22.35	22.34	23.5	1					
20	QPSK	50	50	22.34	22.37	22.34							
20	QPSK	100	0	22.35	22.37	22.35							
20	16QAM	1	0	22.71	22.57	22.63							
20	16QAM	1	48	22.70	22.57	22.54	23.5	1					
20	16QAM	1	96	22.59	22.52	22.51							
20	16QAM	50	0	21.39	21.35	21.37							
20	16QAM	50	24	21.36	21.39	21.33							
20	16QAM	50	50	21.33	21.36	21.32	22.5	2					
20	16QAM	100	0	21.34	21.35	21.33							
20	64QAM	1	0	21.64	21.49	21.52							
20	64QAM	1	48	21.60	21.59	21.51							
20	64QAM	1	96	21.44	21.48	21.49	22.5	2					
20	64QAM	50	0	20.40	20.37	20.40							
20	64QAM	50	24	20.39	20.41	20.36							
20	64QAM	50	50	20.35	20.37	20.33							
20	64QAM	100	0	20.37	20.36	20.34	21.5	3					
Channel													
Frequency (MHz)				18675	18800	19125	Time-up limit (dBm)				MPR (dB)		
				1857.5	1880	1902.5							
15	QPSK	1	0	23.28	23.26	23.23	24.5	0					
15	QPSK	1	37	23.41	23.33	23.25							
15	QPSK	1	74	23.22	23.17	23.17							
15	QPSK	36	0	22.33	22.29	22.35							
15	QPSK	36	20	22.24	22.19	22.22	23.5	1					
15	QPSK	36	39	22.30	22.24	22.23							
15	QPSK	75	0	22.34	22.32	22.23							
15	16QAM	1	0	22.42	22.58	22.50							
15	16QAM	1	37	22.52	22.62	22.56	23.5	1					
15	16QAM	1	74	22.46	22.58	22.49							
15	16QAM	36	0	21.29	21.27	21.29							
15	16QAM	36	20	21.33	21.23	21.23							
15	16QAM	36	39	21.24	21.29	21.21	22.5	2					
15	16QAM	75	0	21.29	21.22	21.21							
15	64QAM	1	0	21.45	21.53	21.41							
15	64QAM	1	37	21.49	21.59	21.38							
15	64QAM	1	74	21.33	21.37	21.39	22.5	2					
15	64QAM	36	0	20.35	20.30	20.28							
15	64QAM	36	20	20.28	20.32	20.21							
15	64QAM	36	39	20.31	20.22	20.24							
15	64QAM	75	0	20.27	20.31	20.24	21.5	3					
Channel													
Frequency (MHz)				18650	18900	19150	Time-up limit (dBm)				MPR (dB)		
				1855	1880	1905							
10	QPSK	1	0	23.29	23.33	23.19	24.5	0					
10	QPSK	1	25	23.36	23.33	23.35							
10	QPSK	1	49	23.22	23.22	23.17							
10	QPSK	25	0	22.36	22.23	22.25							
10	QPSK	25	12	22.29	22.17	22.19	23.5	1					
10	QPSK	25	25	22.29	22.30	22.28							
10	QPSK	50	0	22.27	22.24	22.28							
10	16QAM	1	0	22.54	22.57	22.51							
10	16QAM	1	25	22.53	22.66	22.51	23.5	1					
10	16QAM	1	49	22.48	22.45	22.38							
10	16QAM	25	0	21.25	21.25	21.25							
10	16QAM	25	12	21.35	21.31	21.22							
10	16QAM	25	25	21.32	21.32	21.18	22.5	2					
10	16QAM	50	0	21.22	21.26	21.24							
10	64QAM	1	0	21.44	21.58	21.37							
10	64QAM	1	25	21.49	21.45	21.47							
10	64QAM	1	49	21.43	21.43	21.48	22.5	2					
10	64QAM	25	0	20.27	20.39	20.33							
10	64QAM	25	12	20.26	20.34	20.21							
10	64QAM	25	25	20.25	20.20	20.23							
10	64QAM	50	0	20.28	20.36	20.20	21.5	3					
Channel													
Frequency (MHz)				18625	18900	19175	Time-up limit (dBm)				MPR (dB)		
				1852.5	1880	1907.5							
5	QPSK	1	0	23.23	23.33	23.27	24.5	0					
5	QPSK	1	12	23.42	23.39	23.22							
5	QPSK	1	24	23.38	23.21	23.30							
5	QPSK	12	0	22.39	22.25	22.21							
5	QPSK	12	7	22.25	22.19	22.25	23.5	1					
5	QPSK	12	13	22.26	22.22	22.23							
5	QPSK	25	0	22.30	22.33	22.33							
5	16QAM	1	0	22.47	22.62	22.61							
5	16QAM	1	12	22.44	22.56	22.50	23.5	1					
5	16QAM	1	24	22.47	22.45	22.47							
5	16QAM	12	0	21.34	21.31	21.30							
5	16QAM	12	7	21.33	21.34	21.19							
5	16QAM	12	13	21.26	21.19	21.19	22.5	2					
5	16QAM	25	0	21.28	21.32	21.22							
5	64QAM	1	0	21.44	21.50	21.39							
5	64QAM	1	12	21.54	21.47	21.44							
5	64QAM	1	24	21.35	21.34	21.42	22.5	2					
5	64QAM	12	0	20.33	20.37	20.25							
5	64QAM	12	7	20.40	20.29	20.23							
5	64QAM	12	13	20.30	20.29	20.30							
5	64QAM	25	0	20.32	20.27	20.21	21.5	3					
Channel													
Frequency (MHz)				18615	18900	19185	Time-up limit (dBm)				MPR (dB)		
				1851.5	1880	1908.5							
3	QPSK	1	0	23.35	23.30	23.25	24.5	0					
3	QPSK	1	8	23.29	23.37	23.28							
3	QPSK	1	14	23.27	23.14	23.19							
3	QPSK	8	0	22.28	22.29	22.34							
3	QPSK	8	4	22.27	22.21	22.28	23.5	1					
3	QPSK	8	7	22.26	22.22	22.26							
3	QPSK	15	0	22.22	22.22	22.22							
3	16QAM	1	0	22.51	22.62	22.49							
3	16QAM	1	8	22.49	22.64	22.61	23.5	1					
3	16QAM	1	14	22.45	22.58	22.50							
3	16QAM	8	0	21.25	21.33	21.34							
3	16QAM	8	4	21.32	21.33	21.22							
3	16QAM	8	7	21.32	21.20	21.20	22.5	2					
3	16QAM	15	0	21.30	21.21	21.22							
3	64QAM	1	0	21.38	21.57	21.45	22.5	2					
3	64QAM	1	8	21.50	21.47	21.48							
3	64QAM	1	14	21.42	21.42	21.38							
3	64QAM	8	0	20.31	20.31	20.36							
3	64QAM	8	4	20.31	20.30	20.28	21.5	3					
3	64QAM	8	7	20.36	20.25	20.28							
3	64QAM	15	0	20.28	20.33	20.33							
Channel													
Frequency (MHz)				18607	18900	19193	Time-up limit (dBm)	MPR (dB)					
				1850.7	1880	1909.3							
1.4	QPSK	1	0	23.36	23.32	23.28	24.5	0					
1.4	QPSK	1	3	23.29	23.36	23.28							
1.4	QPSK	1	5	23.19	23.16	23.18							
1.4	QPSK	3	0	22.26	22.39	22.36							
1.4	QPSK	3	1	22.28	22.29	22.34	23.5	1					
1.4	QPSK	3	3	22.18	22.20	22.22							
1.4	QPSK	6	0	22.22	22.28	22.25							
1.4	16QAM	1	0	22.46	22.70	22.64							
1.4	16QAM	1	3	22.43	22.65	22.59	23.5	1					
1.4	16QAM	1	5	22.39	22.68	22.58							
1.4	16QAM	3	0	22.52	22.62	22.62							
1.4	16QAM	3	1	22.51	22.61	22.61							
1.4	16QAM	3	3	22.47	22.58	22.48	22.5	2					
1.4	16QAM	6	0	21.23	21.30	21.19							
1.4	64QAM	1	3	21.39	21.59	21.38							
1.4	64QAM	1	5	21.56	21.53	21.44							
1.4	64QAM	1	5	21.47	21.52	21.47	22.5	2					
1.4	64QAM	3	0	21.47	21.39	21.37							
1.4	64QAM	3	1	21.56	21.45	21.44							
1.4	64QAM	3	3	21.46	21.32	20.39							
1.4	64QAM	6	0	20.35	20.31	20.30	21.5	3					

Band 4_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20050	1732.5	20300				
				1720	1732.5	1745				
20	QPSK	1	0	23.25	23.30	23.27	24.5	0		
20	QPSK	1	49	23.22	23.26	23.20				
20	QPSK	1	99	23.11	23.15	23.22				
20	QPSK	50	0	22.29	22.31	22.27	23.5	1		
20	QPSK	50	24	22.27	22.22	22.25				
20	QPSK	50	50	22.21	22.22	22.28				
20	QPSK	100	0	22.24	22.26	22.26	23.5	1		
20	16QAM	1	0	22.52	22.53	22.49				
20	16QAM	1	49	22.53	22.51	22.50				
20	16QAM	1	99	22.44	22.38	22.50	22.5	2		
20	16QAM	50	0	21.23	21.20	21.21				
20	16QAM	50	24	21.26	21.19	21.26				
20	16QAM	50	50	21.21	21.19	21.26	22.5	2		
20	16QAM	100	0	21.22	21.18	21.24				
20	64QAM	1	0	21.34	21.45	21.41				
20	64QAM	1	49	21.42	21.43	21.46	22.5	2		
20	64QAM	1	99	21.27	21.25	21.42				
20	64QAM	50	0	20.24	20.22	20.21				
20	64QAM	50	24	20.27	20.21	20.27	21.5	3		
20	64QAM	50	50	20.21	20.16	20.27				
20	64QAM	100	0	20.23	20.19	20.25				
Channel										
Frequency (MHz)				20025	19175	20325	Turn-up limit (dBm)	MPR (dB)		
				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.15	23.16	23.22	24.5	0		
15	QPSK	1	37	23.09	23.16	23.13				
15	QPSK	1	74	23.10	23.03	23.12				
15	QPSK	36	0	22.22	22.17	22.17	23.5	1		
15	QPSK	36	20	22.12	22.19	22.24				
15	QPSK	36	39	22.11	22.06	22.15				
15	QPSK	75	0	22.09	22.21	22.25	23.5	1		
15	16QAM	1	0	22.49	22.41	22.34				
15	16QAM	1	37	22.39	22.49	22.40				
15	16QAM	1	74	22.40	22.30	22.42	22.5	2		
15	16QAM	36	0	21.12	21.05	21.15				
15	16QAM	36	20	21.16	21.05	21.19				
15	16QAM	36	39	21.09	21.13	21.13	22.5	2		
15	16QAM	75	0	21.13	21.10	21.20				
15	64QAM	1	0	21.27	21.39	21.28				
15	64QAM	1	37	21.30	21.38	21.37	22.5	2		
15	64QAM	1	74	21.13	21.21	21.33				
15	64QAM	36	0	20.17	20.18	20.07				
15	64QAM	36	20	20.26	20.20	20.26	21.5	3		
15	64QAM	36	39	20.11	20.05	20.21				
15	64QAM	75	0	20.20	20.08	20.20				
Channel										
Frequency (MHz)				20000	20175	20300	Turn-up limit (dBm)	MPR (dB)		
				1715	1732.5	1750				
10	QPSK	1	0	23.14	23.18	23.18	24.5	0		
10	QPSK	1	25	23.07	23.12	23.19				
10	QPSK	1	49	23.06	23.07	23.19				
10	QPSK	25	0	22.16	22.21	22.21	23.5	1		
10	QPSK	25	12	22.14	22.11	22.10				
10	QPSK	25	25	22.14	22.14	22.18				
10	QPSK	50	0	22.18	22.14	22.14	23.5	1		
10	16QAM	1	0	22.39	22.43	22.38				
10	16QAM	1	25	22.51	22.47	22.42				
10	16QAM	1	49	22.37	22.34	22.47	22.5	2		
10	16QAM	25	0	21.16	21.09	21.07				
10	16QAM	25	12	21.15	21.09	21.17				
10	16QAM	25	25	21.07	21.13	21.25	22.5	2		
10	16QAM	50	0	21.17	21.14	21.20				
10	64QAM	1	0	21.25	21.33	21.30				
10	64QAM	1	25	21.38	21.36	21.40	22.5	2		
10	64QAM	1	49	21.17	21.13	21.29				
10	64QAM	25	0	20.13	20.08	20.06				
10	64QAM	25	12	20.23	20.07	20.25	21.5	3		
10	64QAM	25	25	20.12	20.07	20.21				
10	64QAM	50	0	20.15	20.05	20.19				
Channel										
Frequency (MHz)				19975	20175	20375	Turn-up limit (dBm)	MPR (dB)		
				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.18	23.18	23.24	24.5	0		
5	QPSK	1	12	23.09	23.18	23.07				
5	QPSK	1	24	23.06	23.00	23.10				
5	QPSK	12	0	22.14	22.24	22.15	23.5	1		
5	QPSK	12	7	22.30	22.16	22.14				
5	QPSK	12	13	22.18	22.15	22.21				
5	QPSK	25	0	22.23	22.28	22.14	23.5	1		
5	16QAM	1	0	22.40	22.41	22.35				
5	16QAM	1	12	22.50	22.37	22.34				
5	16QAM	1	24	22.33	22.35	22.45	22.5	2		
5	16QAM	12	0	21.17	21.06	21.16				
5	16QAM	12	7	21.17	21.07	21.21				
5	16QAM	12	13	21.16	21.07	21.25	22.5	2		
5	16QAM	25	0	21.13	21.05	21.09				
5	64QAM	1	0	21.20	21.39	21.40				
5	64QAM	1	12	21.31	21.36	21.45	22.5	2		
5	64QAM	1	24	21.25	21.11	21.33				
5	64QAM	12	0	20.14	20.20	20.14				
5	64QAM	12	7	20.16	20.11	20.14	21.5	3		
5	64QAM	12	13	20.13	20.16	20.25				
5	64QAM	25	0	20.11	20.11	20.23				
Channel										
Frequency (MHz)				19965	20175	20385	Turn-up limit (dBm)	MPR (dB)		
				1711.5	1732.5	1753.5				
3	QPSK	1	0	23.14	23.15	23.20	24.5	0		
3	QPSK	1	8	23.15	23.21	23.11				
3	QPSK	1	14	22.87	23.07	23.16				
3	QPSK	8	0	22.18	22.20	22.12	23.5	1		
3	QPSK	8	4	22.25	22.18	22.12				
3	QPSK	8	7	22.19	22.18	22.12				
3	QPSK	15	0	22.09	22.27	22.24	23.5	1		
3	16QAM	1	0	22.45	22.40	22.45				
3	16QAM	1	8	22.45	22.47	22.40				
3	16QAM	1	14	22.33	22.22	22.48	22.5	2		
3	16QAM	8	0	21.21	21.08	21.10				
3	16QAM	8	4	21.22	21.10	21.15				
3	16QAM	8	7	21.07	21.09	21.15	22.5	2		
3	16QAM	15	0	21.08	21.06	21.12				
3	64QAM	1	0	21.30	21.43	21.29				
3	64QAM	1	8	21.36	21.29	21.40	22.5	2		
3	64QAM	1	14	21.13	21.12	21.38				
3	64QAM	8	0	20.16	20.15	20.13				
3	64QAM	8	4	20.12	20.13	20.13	21.5	3		
3	64QAM	8	7	20.07	20.04	20.18				
3	64QAM	15	0	20.08	20.08	20.10				
Channel										
Frequency (MHz)				19957	20175	20393	Turn-up limit (dBm)	MPR (dB)		
				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.15	23.22	23.17	24.5	0		
1.4	QPSK	1	3	23.20	23.23	23.16				
1.4	QPSK	1	5	22.98	23.12	23.18				
1.4	QPSK	3	0	23.14	23.25	23.25	23.5	1		
1.4	QPSK	3	1	23.07	23.23	23.19				
1.4	QPSK	3	3	23.01	23.08	23.21				
1.4	QPSK	6	0	22.12	22.26	22.12	23.5	1		
1.4	16QAM	1	0	22.40	22.38	22.36				
1.4	16QAM	1	3	22.48	22.39	22.38				
1.4	16QAM	1	5	22.40	22.35	22.45	23.5	1		
1.4	16QAM	3	0	22.38	22.39	22.46				
1.4	16QAM	3	1	22.37	22.32	22.47				
1.4	16QAM	3	3	22.43	22.30	22.46	22.5	2		
1.4	64QAM	1	0	21.33	21.38	21.36				
1.4	64QAM	1	3	21.29	21.37	21.41				
1.4	64QAM	1	5	21.16	21.13	21.38	22.5	2		
1.4	64QAM	3	0	21.22	21.43	21.26				
1.4	64QAM	3	1	21.45	21.40	21.38				
1.4	64QAM	3	3	21.21	21.17	21.35	21.5	3		
1.4	64QAM	6	0	20.16	20.11	20.22				

Band 5_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.78	23.87	23.88	25	0			
10	QPSK	1	25	23.66	23.74	23.53					
10	QPSK	1	49	23.70	23.82	23.74					
10	QPSK	25	0	22.84	22.77	22.74					
10	QPSK	25	12	22.83	22.87	22.72	24	1			
10	QPSK	25	25	22.83	22.89	22.70					
10	QPSK	50	0	22.87	22.75	22.73					
10	16QAM	1	0	22.74	22.93	22.97					
10	16QAM	1	25	22.74	22.74	23.02	24	1			
10	16QAM	1	49	22.71	23.00	22.97					
10	16QAM	25	0	21.86	21.83	21.74					
10	16QAM	25	12	21.80	21.71	21.69					
10	16QAM	25	25	21.80	21.78	21.71	23	2			
10	16QAM	50	0	21.82	21.73	21.71					
10	64QAM	1	0	21.93	22.06	21.96					
10	64QAM	1	25	21.85	21.77	21.95					
10	64QAM	1	49	21.84	21.98	21.81	23	2			
10	64QAM	25	0	20.60	20.73	20.66					
10	64QAM	25	12	20.52	20.62	20.69					
10	64QAM	25	25	20.66	20.68	20.81					
10	64QAM	50	0	20.63	20.68	20.74	22	3			
Channel				20425	20525	20625				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	23.75	23.85	23.83	25	0			
5	QPSK	1	12	23.54	23.73	23.39					
5	QPSK	1	24	23.65	23.77	23.62					
5	QPSK	12	0	22.00	22.72	22.81					
5	QPSK	12	7	22.51	22.56	22.71	24	1			
5	QPSK	12	13	22.55	22.62	22.62					
5	QPSK	25	0	22.56	22.62	22.68					
5	16QAM	1	0	22.67	22.80	22.91					
5	16QAM	1	12	22.61	22.62	22.83	24	1			
5	16QAM	1	24	22.67	22.80	22.86					
5	16QAM	12	0	21.85	21.54	21.72					
5	16QAM	12	7	21.56	21.64	21.65					
5	16QAM	12	13	21.57	21.73	21.70	23	2			
5	16QAM	25	0	21.81	21.68	21.58					
5	64QAM	1	0	21.89	22.01	21.87					
5	64QAM	1	12	21.75	21.69	21.94					
5	64QAM	1	24	21.72	21.93	21.76	23	2			
5	64QAM	12	0	20.48	20.67	20.60					
5	64QAM	12	7	20.46	20.50	20.58					
5	64QAM	12	13	20.57	20.55	20.72					
5	64QAM	25	0	20.68	20.62	20.74	22	3			
Channel				20415	20525	20635				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.74	23.81	23.76	25	0			
3	QPSK	1	8	23.52	23.66	23.39					
3	QPSK	1	14	23.61	23.69	23.70					
3	QPSK	8	0	22.57	22.76	22.71					
3	QPSK	8	4	22.62	22.59	22.69	24	1			
3	QPSK	8	7	22.60	22.61	22.69					
3	QPSK	15	0	22.59	22.73	22.64					
3	16QAM	1	0	22.62	22.89	22.88					
3	16QAM	1	8	22.72	22.68	22.87	24	1			
3	16QAM	1	14	22.68	22.86	22.91					
3	16QAM	8	0	21.85	21.57	21.63					
3	16QAM	8	4	21.48	21.63	21.63					
3	16QAM	8	7	21.59	21.64	21.64	23	2			
3	16QAM	8	7	21.59	21.64	21.64					
3	16QAM	15	0	21.53	21.61	21.56					
3	64QAM	1	0	21.80	21.95	21.95					
3	64QAM	1	8	21.78	21.69	21.88	23	2			
3	64QAM	1	14	21.70	21.85	21.70					
3	64QAM	8	0	20.49	20.66	20.51					
3	64QAM	8	4	20.42	20.48	20.57					
3	64QAM	8	7	20.63	20.65	20.73	22	3			
3	64QAM	8	7	20.63	20.65	20.73					
3	64QAM	15	0	20.68	20.59	20.65					
Channel				20407	20525	20643				Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	23.69	23.72	23.84	25	0			
1.4	QPSK	1	3	23.51	23.71	23.45					
1.4	QPSK	1	5	23.57	23.77	23.65					
1.4	QPSK	3	0	23.71	23.80	23.85					
1.4	QPSK	3	1	23.63	23.68	23.45	24	1			
1.4	QPSK	3	3	23.69	23.70	23.73					
1.4	QPSK	6	0	22.58	22.61	22.65					
1.4	16QAM	1	0	22.73	22.91	22.88					
1.4	16QAM	1	3	22.64	22.59	23.00	24	1			
1.4	16QAM	1	5	22.86	22.86	22.84					
1.4	16QAM	3	0	22.73	22.86	22.87					
1.4	16QAM	3	1	22.84	22.71	23.01					
1.4	16QAM	3	3	22.59	22.88	22.86	23	2			
1.4	16QAM	6	0	21.57	21.64	21.67					
1.4	64QAM	1	0	21.92	21.93	21.87					
1.4	64QAM	1	3	21.82	21.73	21.92					
1.4	64QAM	1	5	21.80	21.92	21.88	23	2			
1.4	64QAM	3	0	21.49	21.75	21.69					
1.4	64QAM	3	1	21.53	21.69	21.70					
1.4	64QAM	3	3	21.98	21.99	21.97					
1.4	64QAM	6	0	20.60	20.59	20.77	22	3			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.59	22.63	22.55			
10	QPSK	25	12	22.54	22.49	22.50	24	1	
10	QPSK	25	25	22.55	22.56	22.47			
10	QPSK	50	0	22.58	22.60	22.52			
10	16QAM	1	0	22.85	23.05	22.80			
10	16QAM	1	25	22.71	22.81	23.01	24	1	
10	16QAM	1	49	22.88	22.87	22.93			
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62	23	2	
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66			
10	64QAM	1	49	21.62	21.68	21.94	23	2	
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48			
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61	22	3	
Channel				20450	20525	20600			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40			
5	QPSK	12	7	22.52	22.46	22.45	24	1	
5	QPSK	12	13	22.40	22.54	22.33			
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.64	23.03	22.86	24	1	
5	16QAM	1	12	22.58	22.71	22.90			
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.48	21.53	23	2	
5	16QAM	12	7	21.58	21.30	21.53			
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.58	21.39	21.48	23	2	
5	64QAM	1	0	21.63	21.85	21.75			
5	64QAM	1	12	21.61	21.82	21.64			
5	64QAM	1	24	21.48	21.59	21.85	22	3	
5	64QAM	12	0	20.40	20.40	20.48			
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41	22		
5	64QAM	25	0	20.42	20.50	20.55			
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.44	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42			
3	QPSK	8	4	22.43	22.44	22.40	24	1	
3	QPSK	8	7	22.41	22.52	22.40			
3	QPSK	15	0	22.54	22.56	22.44			
3	16QAM	1	0	22.80	22.93	22.73	24	1	
3	16QAM	1	8	22.70	22.78	22.69			
3	16QAM	1	14	22.77	22.83	22.83			
3	16QAM	8	0	21.53	21.37	21.46	23	2	
3	16QAM	8	4	21.57	21.38	21.53			
3	16QAM	8	7	21.53	21.37	21.56			
3	16QAM	15	0	21.59	21.31	21.47	23	2	
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55			
3	64QAM	1	14	21.55	21.61	21.88	22	3	
3	64QAM	8	0	20.46	20.46	20.80			
3	64QAM	8	4	20.36	20.44	20.36			
3	64QAM	8	7	20.49	20.47	20.40	22		
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.66	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54			
1.4	QPSK	3	1	23.45	23.39	23.49	24	1	
1.4	QPSK	3	3	23.46	23.54	23.45			
1.4	QPSK	6	0	22.43	22.47	22.39			
1.4	16QAM	1	0	22.78	22.99	22.87	24	1	
1.4	16QAM	1	3	22.60	22.69	22.69			
1.4	16QAM	1	5	22.87	22.79	22.87			
1.4	16QAM	3	0	22.80	23.02	22.79	23	2	
1.4	16QAM	3	1	22.66	22.76	22.90			
1.4	16QAM	3	3	22.74	22.72	22.98			
1.4	16QAM	6	0	21.50	21.37	21.58	23	2	
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.83			
1.4	64QAM	1	5	21.67	21.67	21.83	23	2	
1.4	64QAM	3	0	21.61	21.85	21.88			
1.4	64QAM	3	1	21.63	21.59	21.57			
1.4	64QAM	3	3	21.60	21.61	21.91	22	3	
1.4	64QAM	6	0	20.45	20.42	20.91			
1.4	64QAM	6	1	20.45	20.42	20.91			

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.02	22.10	22.01	23.5	0		
20	QPSK	1	49	21.90	22.07	21.98				
20	QPSK	1	99	21.97	21.95	21.90				
20	QPSK	50	0	21.92	21.96	21.94				
20	QPSK	50	24	21.87	21.88	21.90	23.5	0		
20	QPSK	50	50	21.80	21.90	21.85				
20	QPSK	100	0	21.90	21.99	21.91				
20	16QAM	1	0	21.90	22.07	21.98				
20	16QAM	1	49	21.84	22.01	21.95	23.5	0		
20	16QAM	1	99	21.88	21.82	21.80				
20	16QAM	50	0	20.86	20.93	20.79				
20	16QAM	50	24	20.80	20.94	20.81				
20	16QAM	50	50	20.87	20.95	20.87	22.5	1		
20	16QAM	100	0	20.84	20.85	20.84				
20	64QAM	1	0	21.06	21.06	20.92				
20	64QAM	1	49	21.04	21.05	21.06				
20	64QAM	1	99	21.01	20.91	21.07	22.5	1		
20	64QAM	50	0	19.83	19.83	19.85				
20	64QAM	50	24	19.86	19.80	19.82				
20	64QAM	50	50	19.79	19.76	19.87				
20	64QAM	100	0	19.89	19.87	19.81	21.5	2		
Channel				20625	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	21.93	22.08	21.96	23.5	0		
15	QPSK	1	37	21.77	21.89	21.87				
15	QPSK	1	74	21.96	21.82	21.80				
15	QPSK	36	0	21.83	21.84	21.85				
15	QPSK	36	20	21.76	21.86	21.75	23.5	0		
15	QPSK	36	39	21.67	21.87	21.72				
15	QPSK	75	0	21.88	21.89	21.88				
15	16QAM	1	0	21.83	22.06	21.81				
15	16QAM	1	37	21.91	21.97	21.95	23.5	0		
15	16QAM	1	74	21.91	21.88	21.90				
15	16QAM	36	0	20.72	20.79	20.69				
15	16QAM	36	20	20.66	20.82	20.79				
15	16QAM	36	39	20.81	20.92	20.73	22.5	1		
15	16QAM	75	0	20.70	20.75	20.72				
15	64QAM	1	0	20.97	20.93	20.84				
15	64QAM	1	37	21.01	20.94	21.05				
15	64QAM	1	74	20.95	20.76	20.98	22.5	1		
15	64QAM	36	0	19.82	19.70	19.83				
15	64QAM	36	20	19.85	19.71	19.77				
15	64QAM	36	39	19.69	19.67	19.77				
15	64QAM	75	0	19.78	19.74	19.67	21.5	2		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	21.97	22.09	21.98	23.5	0		
10	QPSK	1	25	21.82	22.02	21.88				
10	QPSK	1	49	21.86	21.84	21.81				
10	QPSK	25	0	21.84	21.86	21.92				
10	QPSK	25	12	21.72	21.80	21.82	23.5	0		
10	QPSK	25	25	21.72	21.82	21.73				
10	QPSK	50	0	21.88	21.90	21.81				
10	16QAM	1	0	21.93	22.06	21.71				
10	16QAM	1	25	21.94	22.03	21.84	23.5	0		
10	16QAM	1	49	21.95	21.89	21.92				
10	16QAM	25	0	20.78	20.91	20.66				
10	16QAM	25	12	20.71	20.92	20.68				
10	16QAM	25	25	20.84	20.83	20.75	22.5	1		
10	16QAM	50	0	20.69	20.72	20.77				
10	64QAM	1	0	20.96	20.91	20.84				
10	64QAM	1	25	21.03	20.92	21.00				
10	64QAM	1	49	20.99	20.83	20.94	22.5	1		
10	64QAM	25	0	19.73	19.73	19.76				
10	64QAM	25	12	19.83	19.72	19.71				
10	64QAM	25	25	19.72	19.67	19.80				
10	64QAM	50	0	19.82	19.81	19.76	21.5	2		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.92	22.00	21.97	23.5	0		
5	QPSK	1	12	21.77	21.94	21.83				
5	QPSK	1	24	21.95	21.80	21.81				
5	QPSK	12	0	21.91	21.92	21.87				
5	QPSK	12	7	21.81	21.81	21.77	23.5	0		
5	QPSK	12	13	21.72	21.89	21.81				
5	QPSK	25	0	21.82	21.86	21.78				
5	16QAM	1	0	21.88	22.01	21.73				
5	16QAM	1	12	21.94	21.94	21.90	23.5	0		
5	16QAM	1	24	21.89	21.84	21.89				
5	16QAM	12	0	20.81	20.84	20.88				
5	16QAM	12	7	20.70	20.83	20.75				
5	16QAM	12	13	20.78	20.88	20.80	22.5	1		
5	16QAM	25	0	20.71	20.84	20.70				
5	64QAM	1	0	20.94	20.91	20.80				
5	64QAM	1	12	21.01	21.01	21.01				
5	64QAM	1	24	20.94	20.80	21.00	22.5	1		
5	64QAM	12	0	19.70	19.69	19.83				
5	64QAM	12	7	19.79	19.75	19.81				
5	64QAM	12	13	19.74	19.66	19.84				
5	64QAM	25	0	19.85	19.81	19.76	21.5	2		

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.17	20.20	20.10	21	0		
20	QPSK	1	49	20.02	20.16	20.02				
20	QPSK	1	99	20.13	20.05	20.00				
20	QPSK	50	0	20.13	20.18	20.09				
20	QPSK	50	24	20.03	20.06	19.96	21	0		
20	QPSK	50	50	20.10	20.14	19.95				
20	QPSK	100	0	20.12	20.16	20.07				
20	16QAM	1	0	20.15	20.09	20.02				
20	16QAM	1	49	19.90	20.09	19.89	21	0		
20	16QAM	1	99	20.10	19.94	19.88				
20	16QAM	50	0	20.02	20.06	20.04				
20	16QAM	50	24	19.98	20.05	19.84				
20	16QAM	50	50	20.06	20.07	19.89	21	0		
20	16QAM	100	0	20.10	20.05	20.03				
20	64QAM	1	0	20.12	20.05	20.03				
20	64QAM	1	49	19.95	20.14	19.93				
20	64QAM	1	99	20.07	19.91	19.89	21	0		
20	64QAM	50	0	20.11	20.08	20.07				
20	64QAM	50	24	19.89	19.94	19.82				
20	64QAM	50	50	20.01	20.06	19.88				
20	64QAM	100	0	20.03	20.09	20.01			Turn-up limit (dBm)	MPR (dB)
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	20.00	20.11	19.95	21	0		
15	QPSK	1	37	20.00	20.08	19.98				
15	QPSK	1	74	20.03	19.91	19.89				
15	QPSK	36	0	20.04	20.14	19.98				
15	QPSK	36	20	19.92	19.91	19.81	21	0		
15	QPSK	36	39	20.00	20.11	19.86				
15	QPSK	75	0	20.07	20.12	20.04				
15	16QAM	1	0	20.01	19.96	19.81				
15	16QAM	1	37	19.85	19.96	19.75	21	0		
15	16QAM	1	74	20.00	19.80	19.72				
15	16QAM	36	0	19.96	19.95	19.98				
15	16QAM	36	20	19.92	19.94	19.77				
15	16QAM	36	39	20.04	20.04	19.78	21	0		
15	16QAM	75	0	20.06	19.91	19.93				
15	64QAM	1	0	20.06	19.96	19.86				
15	64QAM	1	37	19.90	20.08	19.90				
15	64QAM	1	74	19.92	19.89	19.76	21	0		
15	64QAM	36	0	19.97	19.97	20.05				
15	64QAM	36	20	19.79	19.93	19.91				
15	64QAM	36	39	19.96	19.94	19.79				
15	64QAM	75	0	20.00	19.99	19.98			Turn-up limit (dBm)	MPR (dB)
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	20.06	20.07	20.03	21	0		
10	QPSK	1	25	19.89	20.03	19.92				
10	QPSK	1	49	20.10	19.92	19.92				
10	QPSK	25	0	20.07	20.14	20.03				
10	QPSK	25	12	19.99	20.02	19.90	21	0		
10	QPSK	25	25	20.06	20.10	19.84				
10	QPSK	50	0	20.05	20.01	20.00				
10	16QAM	1	0	20.07	20.00	19.97				
10	16QAM	1	25	19.89	20.03	19.83	21	0		
10	16QAM	1	49	20.09	19.92	19.82				
10	16QAM	25	0	19.90	19.95	19.94				
10	16QAM	25	12	19.85	19.92	19.73				
10	16QAM	25	25	19.94	20.02	19.77	21	0		
10	16QAM	50	0	20.07	19.95	19.99				
10	64QAM	1	0	20.09	19.96	19.88				
10	64QAM	1	25	19.84	20.12	19.91				
10	64QAM	1	49	19.98	19.86	19.77	21	0		
10	64QAM	25	0	19.96	20.01	19.98				
10	64QAM	25	12	19.79	19.86	19.78				
10	64QAM	25	25	19.92	19.98	19.85				
10	64QAM	50	0	19.99	19.95	19.98			Turn-up limit (dBm)	MPR (dB)
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.06	20.09	20.09	21	0		
5	QPSK	1	12	19.88	20.06	19.90				
5	QPSK	1	24	19.97	19.96	19.96				
5	QPSK	12	0	20.00	20.08	19.97				
5	QPSK	12	7	20.02	19.93	19.91	21	0		
5	QPSK	12	13	20.07	20.00	20.09				
5	QPSK	25	0	20.08	20.02	20.03				
5	16QAM	1	0	20.13	19.99	19.97				
5	16QAM	1	12	19.81	19.95	19.83	21	0		
5	16QAM	1	24	19.96	19.90	19.81				
5	16QAM	12	0	19.91	19.91	19.91				
5	16QAM	12	7	19.84	19.95	19.79				
5	16QAM	12	13	19.97	20.05	19.84	21	0		
5	16QAM	25	0	20.09	20.02	19.92				
5	64QAM	1	0	20.06	20.04	19.99				
5	64QAM	1	12	19.80	20.08	19.85				
5	64QAM	1	24	20.05	19.85	19.86	21	0		
5	64QAM	12	0	20.03	19.91	19.84				
5	64QAM	12	7	19.74	19.81	19.83				
5	64QAM	12	13	19.99	19.91	19.79				
5	64QAM	25	0	19.90	19.85	19.85			Turn-up limit (dBm)	MPR (dB)

Band 12_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	23.43	23.50	23.45	24.5	0			
10	QPSK	1	25	23.22	23.39	23.29					
10	QPSK	1	49	23.41	23.47	23.32					
10	QPSK	25	0	22.28	22.30	22.25					
10	QPSK	25	12	22.21	22.20	22.22	23.5	1			
10	QPSK	25	25	22.24	22.28	22.22					
10	QPSK	50	0	22.23	22.27	22.24					
10	16QAM	1	0	22.52	22.37	22.60					
10	16QAM	1	25	22.42	22.32	22.35	23.5	1			
10	16QAM	1	49	22.66	22.55	22.61					
10	16QAM	25	0	21.24	21.18	21.20					
10	16QAM	25	12	21.14	21.26	21.18					
10	16QAM	25	25	21.18	21.36	21.25	22.5	2			
10	16QAM	50	0	21.17	21.24	21.23					
10	64QAM	1	0	21.25	21.36	21.22					
10	64QAM	1	25	21.53	21.35	21.40					
10	64QAM	1	49	21.50	21.39	21.35	21.5	3			
10	64QAM	25	0	20.19	20.28	20.21					
10	64QAM	25	12	20.25	20.21	20.31					
10	64QAM	25	25	20.27	20.37	20.23					
10	64QAM	50	0	20.29	20.25	20.23					
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	23.38	23.37	23.38	24.5	0			
5	QPSK	1	12	23.08	23.28	23.15					
5	QPSK	1	24	23.31	23.38	23.19					
5	QPSK	12	0	22.26	22.28	22.21					
5	QPSK	12	7	22.07	22.19	22.07	23.5	1			
5	QPSK	12	13	22.12	22.23	22.16					
5	QPSK	25	0	22.17	22.24	22.16					
5	16QAM	1	0	22.37	22.28	22.66					
5	16QAM	1	12	22.37	22.17	22.33	23.5	1			
5	16QAM	1	24	22.59	22.45	22.69					
5	16QAM	12	0	21.14	21.04	21.11					
5	16QAM	12	7	21.02	21.14	21.14					
5	16QAM	12	13	21.09	21.25	21.13	22.5	2			
5	16QAM	25	0	21.06	21.19	21.18					
5	64QAM	1	0	21.13	21.29	21.08					
5	64QAM	1	12	21.38	21.31	21.25					
5	64QAM	1	24	21.47	21.29	21.34	21.5	3			
5	64QAM	12	0	20.11	20.23	20.19					
5	64QAM	12	7	20.19	20.13	20.27					
5	64QAM	12	13	20.20	20.26	20.16					
5	64QAM	25	0	20.20	20.22	20.08					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	23.40	23.49	23.35	24.5	0			
3	QPSK	1	8	23.16	23.31	23.21					
3	QPSK	1	14	23.36	23.45	23.21					
3	QPSK	8	0	22.19	22.25	22.19					
3	QPSK	8	7	22.14	22.22	22.16	23.5	1			
3	QPSK	15	0	22.09	22.19	22.20					
3	16QAM	1	0	22.51	22.30	22.59					
3	16QAM	1	8	22.35	22.25	22.28					
3	16QAM	1	14	22.53	22.46	22.54	23.5	1			
3	16QAM	8	0	21.14	21.09	21.06					
3	16QAM	8	4	21.09	21.14	21.16					
3	16QAM	8	7	21.03	21.30	21.11					
3	16QAM	15	0	21.12	21.14	21.22	22.5	2			
3	64QAM	1	0	21.21	21.35	21.09					
3	64QAM	1	8	21.46	21.22	21.39					
3	64QAM	1	14	21.36	21.34	21.29					
3	64QAM	8	0	20.11	20.18	20.17	21.5	3			
3	64QAM	8	4	20.16	20.10	20.27					
3	64QAM	8	7	20.19	20.35	20.20					
3	64QAM	15	0	20.16	20.17	20.22					
Channel				23017	23095	23173	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3					
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0			
1.4	QPSK	1	3	23.16	23.26	23.17					
1.4	QPSK	1	5	23.38	23.40	23.21					
1.4	QPSK	3	0	23.39	23.42	23.42					
1.4	QPSK	3	1	23.20	23.28	23.17	23.5	1			
1.4	QPSK	3	3	23.36	23.40	23.09					
1.4	QPSK	6	0	22.20	22.18	22.20					
1.4	16QAM	1	0	22.45	22.28	22.55					
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1			
1.4	16QAM	1	5	22.58	22.51	22.46					
1.4	16QAM	3	0	22.48	22.25	22.48					
1.4	16QAM	3	1	22.33	22.28	22.26					
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2			
1.4	64QAM	1	0	21.19	21.27	21.19					
1.4	64QAM	1	3	21.42	21.21	21.29					
1.4	64QAM	1	5	21.43	21.30	21.25					
1.4	64QAM	3	0	21.13	21.32	21.14	22.5	2			
1.4	64QAM	3	1	21.38	21.20	21.27					
1.4	64QAM	3	3	21.36	21.35	21.24					
1.4	64QAM	6	0	20.22	20.22	20.19				21.5	3

Band 12_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.66	23.72	23.69	24.5	0		
10	QPSK	1	25	23.60	23.64	23.54				
10	QPSK	1	49	23.62	23.43	23.38				
10	QPSK	25	0	22.55	22.60	22.53				
10	QPSK	25	12	22.51	22.52	22.51	23.5	1		
10	QPSK	25	25	22.53	22.56	22.45				
10	QPSK	50	0	22.53	22.58	22.47				
10	16QAM	1	0	22.95	22.63	22.99				
10	16QAM	1	25	22.94	22.69	22.70	23.5	1		
10	16QAM	1	49	22.99	22.76	22.84				
10	16QAM	25	0	21.52	21.64	21.46				
10	16QAM	25	12	21.43	21.53	21.43				
10	16QAM	25	25	21.60	21.54	21.44	22.5	2		
10	16QAM	50	0	21.56	21.56	21.44				
10	64QAM	1	0	21.75	21.73	21.87				
10	64QAM	1	25	21.85	21.80	21.77				
10	64QAM	1	49	21.71	21.69	21.84	22.5	2		
10	64QAM	25	0	20.53	20.50	20.49				
10	64QAM	25	12	20.58	20.52	20.48				
10	64QAM	25	25	20.51	20.49	20.49				
10	64QAM	50	0	20.53	20.52	20.46	21.5	3		
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.55	23.70	23.57	24.5	0		
5	QPSK	1	12	23.49	23.55	23.49				
5	QPSK	1	24	23.54	23.34	23.28				
5	QPSK	12	0	22.53	22.51	22.50				
5	QPSK	12	7	22.49	22.49	22.37	23.5	1		
5	QPSK	12	13	22.48	22.51	22.31				
5	QPSK	25	0	22.44	22.52	22.42				
5	16QAM	1	0	22.67	22.57	22.90				
5	16QAM	1	12	22.67	22.61	22.67	23.5	1		
5	16QAM	1	24	22.95	22.68	22.52				
5	16QAM	12	0	21.46	21.59	21.41				
5	16QAM	12	7	21.40	21.50	21.30				
5	16QAM	12	13	21.44	21.43	21.29	22.5	2		
5	16QAM	25	0	21.54	21.42	21.37				
5	64QAM	1	0	21.71	21.71	21.81				
5	64QAM	1	12	21.81	21.74	21.74				
5	64QAM	1	24	21.66	21.65	21.71	22.5	2		
5	64QAM	12	0	20.39	20.36	20.40				
5	64QAM	12	7	20.55	20.46	20.35				
5	64QAM	12	13	20.48	20.39	20.48				
5	64QAM	25	0	20.44	20.39	20.42	21.5	3		
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.58	23.63	23.68	24.5	0		
3	QPSK	1	8	23.53	23.59	23.44				
3	QPSK	1	14	23.56	23.35	23.37				
3	QPSK	8	0	22.43	22.59	22.48				
3	QPSK	8	4	22.46	22.42	22.45	23.5	1		
3	QPSK	8	7	22.49	22.55	22.43				
3	QPSK	15	0	22.48	22.49	22.40				
3	16QAM	1	0	22.91	22.57	22.98				
3	16QAM	1	8	22.91	22.65	22.86	23.5	1		
3	16QAM	1	14	22.93	22.66	22.55				
3	16QAM	8	0	21.47	21.53	21.43				
3	16QAM	8	4	22.42	21.46	21.30				
3	16QAM	8	7	21.55	21.43	21.41	22.5	2		
3	16QAM	15	0	21.49	21.50	21.39				
3	64QAM	1	0	21.64	21.67	21.81				
3	64QAM	1	8	21.61	21.83	21.74				
3	64QAM	1	14	21.68	21.66	21.83	22.5	2		
3	64QAM	8	0	20.51	20.50	20.43				
3	64QAM	8	4	20.48	20.48	20.34				
3	64QAM	8	7	20.43	20.41	20.43				
3	64QAM	15	0	20.40	20.49	20.35	21.5	3		
Channel				23017	23095	23173				Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0		
1.4	QPSK	1	3	23.57	23.60	23.40				
1.4	QPSK	1	5	23.51	23.41	23.25				
1.4	QPSK	3	0	23.65	23.66	23.67				
1.4	QPSK	3	1	23.53	23.53	23.48	23.5	1		
1.4	QPSK	3	3	23.57	23.42	23.27				
1.4	16QAM	1	0	22.93	22.47	22.43				
1.4	16QAM	1	3	22.93	22.51	22.88				
1.4	16QAM	1	3	22.80	22.55	22.81	23.5	1		
1.4	16QAM	1	5	22.87	22.64	22.22				
1.4	16QAM	3	0	22.89	22.48	22.93				
1.4	16QAM	3	1	22.91	22.52	22.85				
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2		
1.4	64QAM	1	0	21.52	21.51	21.37				
1.4	64QAM	1	3	21.70	21.69	21.79				
1.4	64QAM	1	3	21.74	21.82	21.67				
1.4	64QAM	1	5	21.59	21.56	21.82	22.5	2		
1.4	64QAM	3	0	21.70	21.63	21.79				
1.4	64QAM	3	1	21.79	21.81	21.72				
1.4	64QAM	3	3	21.54	21.54	21.73				
1.4	64QAM	6	0	20.92	20.65	21.64	21.5	3		
Channel				699.7	707.5	715.3				

Band 66_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				173027	173232	173572								
20	QPSK	1	0	23.40	23.45	23.44	24.5	0						
20	QPSK	1	48	23.34	23.35	23.42								
20	QPSK	1	96	23.12	23.24	23.26								
20	QPSK	50	0	22.36	22.42	22.40								
20	QPSK	50	24	22.30	22.33	22.35	23.5	1						
20	QPSK	50	50	22.26	22.28	22.36								
20	QPSK	100	0	22.32	22.40	22.36								
20	16QAM	1	0	22.59	22.48	22.65								
20	16QAM	1	48	22.84	22.57	22.84	23.5	1						
20	16QAM	1	96	22.42	22.45	22.47								
20	16QAM	50	0	21.28	21.33	21.45								
20	16QAM	50	24	21.29	21.33	21.42								
20	16QAM	50	50	21.25	21.29	21.35	22.5	2						
20	16QAM	100	0	21.23	21.30	21.39								
20	64QAM	1	0	21.40	21.38	21.55								
20	64QAM	1	49	21.40	21.51	21.52								
20	64QAM	1	99	21.31	21.38	21.46	22.5	2						
20	64QAM	50	0	20.30	20.34	20.49								
20	64QAM	50	24	20.32	20.34	20.44								
20	64QAM	50	50	20.37	20.29	20.38								
20	64QAM	100	0	20.25	20.31	20.41	21.5	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.3947	23.3232	23.5957	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1717.5	1745	1772.5								
15	QPSK	1	0	23.38	23.38	23.30	24.5	0						
15	QPSK	1	37	23.27	23.31	23.31								
15	QPSK	1	74	23.04	23.10	23.15								
15	QPSK	36	0	22.23	22.33	22.26								
15	QPSK	36	20	22.19	22.31	22.33	23.5	1						
15	QPSK	36	39	22.14	22.31	22.23								
15	QPSK	75	0	22.28	22.37	22.23								
15	16QAM	1	0	22.56	22.35	22.53								
15	16QAM	1	37	22.63	22.43	22.58	23.5	1						
15	16QAM	1	74	22.33	22.36	22.46								
15	16QAM	36	0	21.14	21.30	21.44								
15	16QAM	36	20	21.23	21.27	21.33								
15	16QAM	36	39	21.13	21.14	21.26	22.5	2						
15	16QAM	75	0	21.22	21.26	21.38								
15	64QAM	1	0	21.33	21.34	21.52								
15	64QAM	1	37	21.26	21.47	21.58								
15	64QAM	1	74	21.29	21.36	21.33	22.5	2						
15	64QAM	36	0	20.19	20.32	20.43								
15	64QAM	36	20	20.29	20.20	20.38								
15	64QAM	36	39	20.26	20.25	20.24								
15	64QAM	75	0	20.21	20.23	20.33	21.5	3						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.39	23.31	23.37	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1715	1745	1772.5								
10	QPSK	1	0	23.39	23.31	23.37	24.5	0						
10	QPSK	1	25	23.21	23.33	23.29								
10	QPSK	1	49	23.10	23.14	23.16								
10	QPSK	25	0	22.29	22.37	22.27								
10	QPSK	25	12	22.18	22.22	22.23	23.5	1						
10	QPSK	25	25	22.19	22.25	22.31								
10	QPSK	50	0	22.20	22.30	22.34								
10	16QAM	1	0	22.46	22.34	22.51								
10	16QAM	1	25	22.56	22.50	22.63	23.5	1						
10	16QAM	1	49	22.33	22.42	22.40								
10	16QAM	25	0	21.19	21.24	21.36								
10	16QAM	25	12	21.19	21.28	21.37								
10	16QAM	25	25	21.19	21.26	21.33	22.5	2						
10	16QAM	50	0	21.16	21.22	21.25								
10	64QAM	1	0	21.30	21.23	21.52								
10	64QAM	1	25	21.26	21.41	21.43								
10	64QAM	1	49	21.30	21.27	21.43	22.5	2						
10	64QAM	25	0	20.20	20.32	20.37								
10	64QAM	25	12	20.23	20.29	20.34								
10	64QAM	25	25	20.15	20.21	20.25								
10	64QAM	50	0	20.14	20.28	20.37	21.5	3						
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.1957	23.3232	23.6647	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1717.5	1745	1777.5								
5	QPSK	1	0	23.35	23.39	23.32	24.5	0						
5	QPSK	1	12	23.29	23.27	23.36								
5	QPSK	1	24	23.30	23.12	23.11								
5	QPSK	12	0	22.24	22.33	22.26								
5	QPSK	12	7	22.21	22.31	22.26	23.5	1						
5	QPSK	12	13	22.11	22.18	22.25								
5	QPSK	25	0	22.17	22.32	22.23								
5	16QAM	1	0	22.54	22.35	22.61								
5	16QAM	1	12	22.59	22.44	22.58	23.5	1						
5	16QAM	1	24	22.37	22.42	22.40								
5	16QAM	12	0	21.25	21.29	21.44								
5	16QAM	12	7	21.24	21.19	21.28								
5	16QAM	12	13	21.24	21.21	21.29	22.5	2						
5	16QAM	25	0	21.21	21.27	21.24								
5	64QAM	1	0	21.26	21.34	21.49								
5	64QAM	1	12	21.27	21.36	21.45								
5	64QAM	1	24	21.26	21.27	21.32	22.5	2						
5	64QAM	12	0	20.20	20.25	20.35								
5	64QAM	12	7	20.29	20.27	20.29								
5	64QAM	12	13	20.21	20.28	20.32								
5	64QAM	25	0	20.10	20.21	20.28	21.5	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.1152	23.3232	23.6657	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1711.5	1745	1785.5								
3	QPSK	1	0	23.27	23.41	23.40	24.5	0						
3	QPSK	1	8	23.32	23.20	23.36								
3	QPSK	1	14	22.89	23.17	23.22								
3	QPSK	8	0	22.31	22.32	22.34								
3	QPSK	8	4	22.16	22.29	22.34	23.5	1						
3	QPSK	8	7	22.24	22.13	22.35								
3	QPSK	15	0	22.20	22.31	22.22								
3	16QAM	1	0	22.48	22.45	22.54								
3	16QAM	1	8	22.49	22.48	22.51	23.5	1						
3	16QAM	1	14	22.40	22.37	22.48								
3	16QAM	8	0	21.22	21.19	21.39								
3	16QAM	8	4	21.14	21.22	21.37								
3	16QAM	8	7	21.15	21.18	21.32	22.5	2						
3	16QAM	15	0	21.14	21.18	21.33								
3	64QAM	1	0	21.32	21.24	21.49								
3	64QAM	1	8	21.26	21.45	21.43								
3	64QAM	1	14	21.16	21.31	21.45	22.5	2						
3	64QAM	8	0	20.28	20.33	20.47								
3	64QAM	8	4	20.24	20.30	20.33								
3	64QAM	8	7	20.24	20.19	20.33								
3	64QAM	15	0	20.18	20.25	20.38	21.5	3						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.1979	23.3232	23.6665	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1710.7	1745	1779.3								
1.4	QPSK	1	0	23.33	23.34	23.35	24.5	0						
1.4	QPSK	1	3	23.27	23.33	23.38								
1.4	QPSK	1	5	23.30	23.11	23.19								
1.4	QPSK	1	0	23.37	23.41	23.36								
1.4	QPSK	3	1	23.36	23.30	23.30	23.5	1						
1.4	QPSK	3	3	23.07	23.19	23.22								
1.4	16QAM	1	0	22.21	22.34	22.35								
1.4	16QAM	1	3	22.52	22.45	22.63								
1.4	16QAM	1	3	22.58	22.47	22.58	23.5	1						
1.4	16QAM	1	5	22.30	22.44	22.35								
1.4	16QAM	3	0	22.47	22.41	22.60								
1.4	16QAM	3	3	22.60	22.46	22.62								
1.4	16QAM	3	3	22.36	22.34	22.34	22.5	2						
1.4	64QAM	1	0	21.29	21.37	21.42								
1.4	64QAM	1	3	21.25	21.41	21.45								
1.4	64QAM	1	5	21.19	21.29	21.36								
1.4	64QAM	3	0	21.29	21.37	21.53	22.5	2						
1.4	64QAM	3	3	21.35	21.45	21.55								
1.4	64QAM	3	3	21.23	21.37	21.32								
1.4	64QAM	6	0	21.14	20.28	20.31								

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.38	23.41	23.34	24.5	0	
20	QPSK	1	49	23.21	23.24	23.20			
20	QPSK	1	99	23.16	23.22	23.20			
20	QPSK	50	0	22.35	22.39	22.25			
20	QPSK	50	24	22.29	22.29	22.25	23.5	1	
20	QPSK	50	50	22.33	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.26			
20	16QAM	1	0	22.53	22.52	22.53			
20	16QAM	1	49	22.48	22.44	22.48	23.5	1	
20	16QAM	1	99	22.49	22.54	22.56			
20	16QAM	50	0	21.35	21.21	21.23			
20	16QAM	50	24	21.27	21.26	21.27			
20	16QAM	50	50	21.34	21.29	21.25	22.5	2	
20	16QAM	100	0	21.35	21.22	21.25			
20	64QAM	1	0	21.42	21.44	21.46			
20	64QAM	1	49	21.34	21.45	21.35			
20	64QAM	1	99	21.40	21.49	21.51	22.5	2	
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.28	20.31	20.29			
20	64QAM	50	50	20.35	20.31	20.27			
20	64QAM	100	0	20.36	20.26	20.24	21.5	3	
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.30	23.31	23.06	24.5	0	
15	QPSK	1	37	23.12	23.06	23.10			
15	QPSK	1	74	23.11	22.99	23.13			
15	QPSK	36	0	22.26	22.14	22.04			
15	QPSK	36	20	22.07	22.04	22.06	23.5	1	
15	QPSK	36	39	22.20	22.05	22.15			
15	QPSK	75	0	22.22	22.16	22.09			
15	16QAM	1	0	22.36	22.46	22.44			
15	16QAM	1	37	22.36	22.20	22.24	23.5	1	
15	16QAM	1	74	22.39	22.34	22.46			
15	16QAM	36	0	21.12	20.97	21.14			
15	16QAM	36	20	21.08	21.21	21.21			
15	16QAM	36	39	21.09	21.16	21.04	22.5	2	
15	16QAM	75	0	21.29	21.09	21.05			
15	64QAM	1	0	21.22	21.27	21.22			
15	64QAM	1	37	21.19	21.36	21.24			
15	64QAM	1	74	21.30	21.28	21.44	22.5	2	
15	64QAM	36	0	20.15	20.16	20.00			
15	64QAM	36	20	20.17	20.25	20.24			
15	64QAM	36	39	20.24	20.25	20.10			
15	64QAM	75	0	20.27	20.14	20.08	21.5	3	
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.28	23.16	23.17	24.5	0	
10	QPSK	1	25	23.03	23.18	23.07			
10	QPSK	1	49	22.96	23.00	23.08			
10	QPSK	25	0	22.30	22.15	22.16			
10	QPSK	25	12	22.21	22.07	22.06	23.5	1	
10	QPSK	25	25	22.18	21.98	21.99			
10	QPSK	50	0	22.25	22.19	22.02			
10	16QAM	1	0	22.37	22.43	22.41			
10	16QAM	1	25	22.36	22.31	22.28	23.5	1	
10	16QAM	1	49	22.39	22.31	22.46			
10	16QAM	25	0	21.16	21.05	21.05			
10	16QAM	25	12	21.14	21.20	21.19			
10	16QAM	25	25	21.13	21.22	21.10	22.5	2	
10	16QAM	50	0	21.29	21.03	21.06			
10	64QAM	1	0	21.35	21.32	21.34			
10	64QAM	1	25	21.19	21.38	21.12			
10	64QAM	1	49	21.33	21.26	21.43	22.5	2	
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21			
10	64QAM	25	25	20.24	20.19	20.08			
10	64QAM	50	0	20.21	20.18	20.06	21.5	3	
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	23.27	23.35	23.10	24.5	0	
5	QPSK	1	12	23.04	23.09	23.00			
5	QPSK	1	24	23.02	23.09	23.02			
5	QPSK	12	0	22.22	22.30	22.09			
5	QPSK	12	7	22.21	22.20	22.09	23.5	1	
5	QPSK	12	13	22.12	22.11	22.10			
5	QPSK	25	0	22.26	22.12	22.07			
5	16QAM	1	0	22.34	22.33	22.36			
5	16QAM	1	12	22.30	22.36	22.43	23.5	1	
5	16QAM	1	24	22.29	22.36	22.42			
5	16QAM	12	0	21.29	20.98	21.18			
5	16QAM	12	7	21.07	21.18	21.18			
5	16QAM	12	13	21.26	21.16	21.01	22.5	2	
5	16QAM	25	0	21.15	21.05	21.09			
5	64QAM	1	0	21.24	21.20	21.33			
5	64QAM	1	12	21.20	21.30	21.17			
5	64QAM	1	24	21.21	21.29	21.36	22.5	2	
5	64QAM	12	0	20.10	20.17	20.13			
5	64QAM	12	7	20.15	20.18	20.10			
5	64QAM	12	13	20.20	20.06	20.22			
5	64QAM	25	0	20.19	20.18	20.08	21.5	3	

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.55	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57			
20	QPSK	50	24	22.64	22.83	22.53	23.5	1	
20	QPSK	50	50	22.61	22.64	22.56			
20	QPSK	100	0	22.61	22.69	22.53			
20	16QAM	1	0	22.85	22.92	22.84	23.5		
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69			
20	16QAM	50	0	21.75	21.62	21.52			
20	16QAM	50	24	21.63	21.59	21.59	22.5	2	
20	16QAM	50	50	21.65	21.62	21.54			
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73	22.5	2	
20	64QAM	1	49	21.67	21.71	21.66			
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)		MPR (dB)
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52			
15	QPSK	36	20	22.48	22.45	22.30	23.5	1	
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.50	22.42			
15	16QAM	1	0	22.64	22.79	22.79	23.5	1	
15	16QAM	1	37	22.76	22.69	22.56			
15	16QAM	1	74	22.53	22.58	22.40			
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.46	21.54	21.47	22.5	2	
15	16QAM	36	39	21.51	21.56	21.41			
15	16QAM	75	0	21.46	21.42	21.30			
15	64QAM	1	0	21.50	21.58	21.61	22.5	2	
15	64QAM	1	37	21.62	21.55	21.53			
15	64QAM	1	74	21.54	21.57	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.50	20.41	20.35			
Channel				133172	133297	133422			
Frequency (MHz)				666.5	680.5	696.5	Tune-up limit (dBm)		MPR (dB)
10	QPSK	1	0	23.56	23.47	23.48	24.5	0	
10	QPSK	1	25	23.27	23.35	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.83	22.40			
10	QPSK	25	12	22.48	22.41	22.48	23.5	1	
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.41	22.47	22.44			
10	16QAM	1	0	22.79	22.69	22.57	23.5	1	
10	16QAM	1	25	22.73	22.70	22.77			
10	16QAM	1	49	22.48	22.44	22.48			
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39	22.5	2	
10	16QAM	25	25	21.53	21.54	21.40			
10	16QAM	50	0	21.56	21.49	21.32			
10	64QAM	1	0	21.55	21.58	21.62	22.5	2	
10	64QAM	1	25	21.73	21.64	21.50			
10	64QAM	1	49	21.48	21.51	21.55			
10	64QAM	25	0	20.51	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.40	20.44			
10	64QAM	50	0	20.54	20.46	20.49			
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)		MPR (dB)
5	QPSK	1	0	23.53	23.46	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.50	22.51	22.38			
5	QPSK	12	7	22.44	22.47	22.44	23.5	1	
5	QPSK	12	13	22.41	22.53	22.29			
5	QPSK	25	0	22.47	22.62	22.29			
5	16QAM	1	0	22.76	22.76	22.60	23.5	1	
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47			
5	16QAM	12	0	21.50	21.48	21.45			
5	16QAM	12	7	21.46	21.53	21.47	22.5	2	
5	16QAM	12	13	21.60	21.50	21.43			
5	16QAM	25	0	21.48	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50	22.5	2	
5	64QAM	1	12	21.74	21.46	21.52			
5	64QAM	1	24	21.51	21.56	21.45			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.65	20.50	20.47	21.5	3	
5	64QAM	12	13	20.56	20.56	20.36			
5	64QAM	25	0	20.57	20.55	20.37			

Band 41_Ant 1										
BW (MHz)	Modulation	RS Type	RS Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Low High Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	APRS (dB)	
Channel				36750	41015	41020	41015	41020		
Frequency (MHz)				2590	2549.5	2590	2549.5			
20	QPSK	1	5	25.18	25.30	25.35	25.38	25.43		
20	QPSK	1	49	25.04	25.02	25.03	25.20	25.43	24.5	0
20	QPSK	50	5	25.12	25.10	25.48	25.32	25.43		
20	QPSK	50	24	25.07	25.08	25.42	25.13	25.35	23.5	1
20	TDMA	1	49	25.05	25.05	25.43	25.10	25.35		
20	TDMA	1	96	25.01	25.06	25.38	25.21	25.35	23.5	1
20	TDMA	50	5	25.01	25.00	25.40	25.14	25.35		
20	TDMA	50	24	25.00	25.05	25.36	25.21	25.42	22.5	2
20	TDMA	100	5	25.00	25.00	25.40	25.15	25.35		
20	TDMA	100	5	25.02	25.05	25.10	25.09	25.07	22.5	2
20	TDMA	1	49	25.03	25.74	25.12	25.04	25.12	22.5	2
20	TDMA	1	96	25.03	25.09	25.08	25.09	25.10		
20	TDMA	50	5	25.09	25.08	25.43	25.14	25.35		
20	TDMA	50	24	25.09	25.00	25.44	25.16	25.32	21.5	3
20	TDMA	100	5	25.09	25.04	25.40	25.10	25.35		
20	TDMA	100	5	25.09	25.05	25.44	25.10	25.35		
Channel				36755	41013	41020	41015	41020	Turn-on time (sec)	APRS (dB)
Frequency (MHz)				2593.5	2548.3	2593	2547.5	2593.5		
15	QPSK	1	5	25.13	25.17	25.11	25.40	25.43		
15	QPSK	1	37	25.00	25.04	25.12	25.37	25.05	24.5	0
15	QPSK	1	74	25.06	25.08	25.01	25.49	25.38		
15	QPSK	36	5	25.05	25.07	25.11	25.36	25.43		
15	QPSK	36	20	25.00	25.05	25.08	25.30	25.45	23.5	1
15	QPSK	36	30	25.06	25.40	25.11	25.31	25.31		
15	QPSK	75	5	25.09	25.05	25.07	25.35	25.35		
15	TDMA	1	5	25.01	25.07	25.08	25.16	25.38		
15	TDMA	1	37	25.05	25.04	25.09	25.28	25.25	23.5	1
15	TDMA	1	74	25.16	25.18	25.14	25.40	25.38		
15	TDMA	36	5	25.00	25.76	25.05	25.10	25.10		
15	TDMA	36	20	25.06	25.78	25.09	25.15	25.37	22.5	2
15	TDMA	36	30	25.08	25.79	25.10	25.15	25.37		
15	TDMA	75	5	25.03	25.03	25.03	25.12	25.10		
15	TDMA	1	5	25.07	25.04	25.07	25.08	25.08	22.5	2
15	TDMA	1	37	25.10	25.12	25.07	25.18	25.17		
15	TDMA	1	74	25.12	25.10	25.11	25.16	25.16	21.5	3
15	TDMA	36	5	25.05	25.08	25.08	25.15	25.04		
15	TDMA	36	20	25.03	25.79	25.08	25.10	25.42		
15	TDMA	36	30	25.02	25.81	25.14	25.22	25.41		
15	TDMA	75	5	25.06	25.06	25.06	25.10	25.31		
15	TDMA	75	5	25.06	25.06	25.10	25.22	25.41		
Channel				36755	41013	41020	41015	41020	Turn-on time (sec)	APRS (dB)
Frequency (MHz)				2593.5	2548.3	2593	2547.5	2593.5		
10	QPSK	1	5	25.07	25.00	25.22	25.36	25.42	24.5	0
10	QPSK	1	25	25.07	25.04	25.16	25.36	25.41		
10	QPSK	1	49	25.09	25.08	25.04	25.34	25.43		
10	QPSK	25	5	25.10	25.01	25.17	25.41	25.42		
10	QPSK	25	10	25.04	25.01	25.01	25.36	25.39	23.5	1
10	QPSK	25	24	25.04	25.01	25.10	25.32	25.41		
10	QPSK	50	5	25.05	25.03	25.11	25.19	25.39		
10	QPSK	50	12	25.04	25.00	25.15	25.01	25.10	23.5	1
10	QPSK	50	24	25.04	25.00	25.15	25.18	25.05		
10	QPSK	50	36	25.07	25.06	25.17	25.17	25.14		
10	TDMA	1	24	25.10	25.05	25.03	25.01	25.05	23.5	2
10	TDMA	1	49	25.07	25.04	25.10	25.03	25.07		
10	TDMA	36	5	25.10	25.14	25.10	25.04	25.01		
10	TDMA	36	20	25.10	25.16	25.08	25.15	25.08	22.5	2
10	TDMA	36	30	25.11	25.16	25.10	25.14	25.07		
10	TDMA	50	5	25.10	25.14	25.10	25.04	25.01		
10	TDMA	50	12	25.10	25.16	25.10	25.04	25.01	22.5	2
10	TDMA	50	24	25.10	25.16	25.10	25.04	25.01	21.5	3
10	TDMA	50	36	25.10	25.16	25.10	25.04	25.01	22.5	2
10	TDMA	1	12	25.10	25.16	25.10	25.04	25.01		
10	TDMA	1	24	25.10	25.16	25.10	25.04	25.01	22.5	2
10	TDMA	1	49	25.10	25.16	25.10	25.04	25.01		
10	TDMA	1	96	25.10	25.16	25.10	25.04	25.01		
10	TDMA	36	5	25.10	25.16	25.10	25.04	25.01	22.5	2
10	TDMA	36	20	25.10	25.16	25.10	25.04	25.01		
10	TDMA	36	30	25.10	25.16	25.10	25.04	25.01	21.5	3

Band 41_Ant 2													
BW (MHz)	Modulation	RS	RS Offset	Power Low Ch (Freq)	Power Low Mid Ch (Freq)	Power Low High Ch (Freq)	Power High Ch (Freq)	Power High Ch (Freq)	Turn-on time (sec)	APRS (dB)			
Channel				36750	41005	41005	41005	41005					
Frequency (MHz)				2590	2546.5	2590	2546.5	2590					
20	QPSK	1	5	25.21	25.18	25.30	25.33	25.38					
20	QPSK	1	49	25.08	25.09	25.18	25.18	25.21	23	0			
20	QPSK	1	96	25.05	25.17	25.22	25.15	25.23					
20	QPSK	50	5	25.05	25.15	25.28	25.21	25.25					
20	QPSK	50	24	25.12	25.12	25.15	25.08	25.22	23	0			
20	QPSK	50	50	25.09	25.09	25.20	25.09	25.21					
20	QPSK	50	96	25.06	25.06	25.17	25.06	25.19					
20	HQPSK	1	5	25.14	25.12	25.22	25.15	25.29					
20	HQPSK	1	49	25.05	25.07	25.07	25.11	25.09	23				
20	HQPSK	1	96	25.16	25.04	25.12	25.16	25.08					
20	HQPSK	50	5	21.82	21.80	21.86	21.80	21.87	21.82				
20	HQPSK	50	24	21.85	21.87	21.87	21.86	21.88					
20	HQPSK	50	50	21.81	21.81	21.87	21.81	21.86	22.5	0.5			
20	HQPSK	50	96	21.82	21.83	21.87	21.82	21.86					
20	HQPSK	100	5	21.81	21.78	21.87	21.79	21.83					
20	HQPSK	100	24	21.82	21.82	21.87	21.82	21.86					
20	HQPSK	100	50	21.86	21.82	21.85	21.85	21.83	22.5	0.5			
20	HQPSK	100	96	21.81	21.79	21.84	21.79	21.84					
20	HQPSK	100	144	21.82	21.80	21.84	21.82	21.86					
20	HQPSK	50	50	20.74	20.67	20.75	20.67	20.74	21.5	1.5			
20	HQPSK	50	96	20.62	20.62	20.70	20.62	20.70					
Channel				36755	41172.5	41172.5	41172.5	41172.5					
Frequency (MHz)				2593.5	2549.25	2593.5	2549.25	2593.5					
10	QPSK	1	5	25.21	25.18	25.30	25.33	25.38					
10	QPSK	1	37	25.09	25.09	25.05	25.11	25.16	23	0			
10	QPSK	1	74	25.09	25.08	25.18	25.05	25.09					
10	QPSK	50	5	25.05	25.05	25.14	25.05	25.07					
10	QPSK	50	24	25.04	25.00	25.02	25.00	25.07					
10	QPSK	50	50	25.10	25.05	25.10	25.14	25.11					
10	QPSK	50	96	25.13	25.05	25.11	25.05	25.03	23	0			
10	HQPSK	1	5	25.04	25.02	25.12	25.04	25.08					
10	HQPSK	1	37	25.04	25.03	25.07	25.03	25.08	23	0			
10	HQPSK	1	74	25.11	25.09	25.11	25.09	25.09					
10	HQPSK	50	5	21.81	21.79	21.80	21.84	21.81					
10	HQPSK	50	24	21.80	21.78	21.88	21.77	21.81					
10	HQPSK	50	50	21.79	21.80	21.81	21.79	21.81	22.5	0.5			
10	HQPSK	50	96	21.80	21.80	21.87	21.79	21.81					
10	HQPSK	50	144	21.80	21.85	21.87	21.75	21.75					
10	HQPSK	100	5	21.79	21.77	21.81	21.79	21.79					
10	HQPSK	100	24	21.76	21.75	21.80	21.73	21.79	22.5	0.5			
10	HQPSK	100	50	21.72	21.69	21.88	21.66	21.75					
10	HQPSK	100	96	21.76	21.76	21.88	21.76	21.80					
10	HQPSK	100	144	21.81	21.80	21.87	21.80	21.83	21.5	1.5			
10	HQPSK	50	50	20.62	20.63	20.70	20.68	20.65					
10	HQPSK	50	96	20.61	20.57	20.60	20.60	20.62					
10	HQPSK	50	144	20.62	20.58	20.63	20.58	20.63					
Channel				36760	41160	41050	41160	41160					
Frequency (MHz)				2593.5	2547	2593.5	2547	2593.5					
10	QPSK	1	5	25.21	25.18	25.30	25.33	25.38					
10	QPSK	1	26	25.07	25.07	25.15	25.07	25.15	23	0			
10	QPSK	1	49	25.08	25.07	25.12	25.05	25.08					
10	QPSK	50	5	25.05	25.10	25.12	25.05	25.12					
10	QPSK	50	24	25.04	25.07	25.12	25.05	25.12	23	0			
10	QPSK	50	50	25.14	25.02	25.11	25.11	25.03					
10	HQPSK	1	5	25.08	25.03	25.15	25.08	25.08					
10	HQPSK	1	26	25.05	25.02	25.10	25.05	25.08	23	0			
10	HQPSK	1	49	25.07	25.06	25.14	25.07	25.07					
10	HQPSK	50	5	21.78	21.74	21.80	21.84	21.81					
10	HQPSK	50	24	21.81	21.76	21.86	21.74	21.76					
10	HQPSK	50	50	21.81	21.88	21.87	21.79	21.87	22.5	0.5			
10	HQPSK	50	96	21.88	21.74	21.85	21.87	21.78					
10	HQPSK	50	144	21.77	21.70	21.73	21.70	21.76					
10	HQPSK	100	5	21.78	21.78	21.84	21.78	21.81	22.5	0.5			
10	HQPSK	100	24	21.79	21.72	21.81	21.73	21.81					
10	HQPSK	100	50	21.76	21.70	21.80	21.70	21.77					
10	HQPSK	100	96	21.84	21.70	21.80	21.70	21.87	21.5	1.5			
10	HQPSK	100	144	21.72	21.68	20.73	21.70	21.72					
10	HQPSK	100	192	21.76	21.68	20.73	21.76	21.71					
Channel				36975	41417.5	41417.5	41417.5	41417.5					
Frequency (MHz)				2593.5	2545.75	2593.5	2545.75	2593.5					
5	QPSK	1	5	25.12	25.10	25.24	25.16	25.26					
5	QPSK	1	26	25.09	25.09	25.04	25.09	25.16	23	0			
5	QPSK	1	49	25.06	25.06	25.13	25.06	25.13					
5	QPSK	50	5	25.05	25.09	25.13	25.09	25.13					
5	QPSK	50	24	25.08	25.07	25.12	25.04	25.12	23	0			
5	QPSK	50	50	25.18	25.11	25.11	25.18	25.16					
5	QPSK	100	5	25.11	25.01	25.15	25.09	25.03					
5	QPSK	100	24	25.10	25.08	25.12	25.10	25.12	23	0			
5	HQPSK	1	5	25.02	25.02	25.10	25.02	25.10					
5	HQPSK	1	26	25.02	25.00	25.05	25.02	25.05	23	0			
5	HQPSK	1	49	25.01	25.00	25.07	25.01	25.07					
5	HQPSK	50	5	21.81	21.78	21.86	21.86	21.84	22.5	0.5			
5	HQPSK	50	24	21.88	21.76	21.86	21.76	21.86					
5	HQPSK	50	50	21.74	21.74	21.86	21.74	21.86					
5	HQPSK	50	96	21.88	21.65	21.82	21.72	21.82	22.5	0.5			
5	HQPSK	50	144	21.71	21.65	21.84	21.65	21.84					
5	HQPSK	100	5	21.71	21.65	21.84	21.65	21.79	22.5	0.5			
5	HQPSK	100	24	21.76	21.67	21.84	21.67	21.84					
5	HQPSK	100	50	20.74	20.63	20.69	20.69	20.75	21.5	1.5			
5	HQPSK	100	96	20.68	20.68	20.66	20.67	20.69					

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Time-up (min)	MFR (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	22.51	22.36	22.35	22.45			20	QPSK	0	0	22.58	22.50	22.50	22.45			20	QPSK	1	0	20.50	20.37	20.41	20.45			20	QPSK	1	0	21.80	21.70	21.75	21.75		
20	QPSK	1	48	22.49	22.37	22.41	22.41	23	0	20	QPSK	1	48	22.49	22.38	22.50	22.52			20	QPSK	1	48	20.48	20.34	20.38	20.43	21	0	20	QPSK	1	48	21.83	21.68	21.73	21.78	22.5	0
20	QPSK	1	96	22.41	22.41	22.37	22.48			20	QPSK	1	96	22.51	22.50	22.50	22.50			20	QPSK	1	96	20.49	20.25	20.34	20.41			20	QPSK	1	96	21.81	21.68	21.73	21.78		
20	QPSK	50	0	21.58	21.52	21.51	21.49			20	QPSK	50	0	21.57	21.52	21.52	21.52			20	QPSK	50	0	21.80	21.68	21.73	21.78			20	QPSK	50	0	21.80	21.68	21.73	21.78		
20	QPSK	50	24	21.48	21.51	21.50	21.55			20	QPSK	50	24	21.48	21.51	21.49	21.57			20	QPSK	50	24	20.47	20.28	20.28	20.31	21	0	20	QPSK	50	24	21.73	21.62	21.75	21.79	22.5	0
20	QPSK	100	0	21.48	21.42	21.41	21.40			20	QPSK	100	0	21.58	21.42	21.45	21.37			20	QPSK	100	0	21.80	21.58	21.74	21.78			20	QPSK	100	0	21.80	21.58	21.74	21.78		
20	QPSK	100	24	21.42	21.55	21.48	21.45			20	QPSK	100	24	21.55	21.31	21.44	21.37			20	QPSK	100	24	21.74	21.45	21.55	21.61	21	0	20	QPSK	100	24	21.74	21.45	21.55	21.61		
20	16QAM	1	0	21.49	21.58	21.57	21.57			20	16QAM	1	0	21.53	21.52	21.47	21.50			20	16QAM	1	0	20.38	20.28	20.30	20.37			20	16QAM	1	0	21.80	21.64	21.68	21.76	22.5	0
20	16QAM	50	0	21.44	21.54	21.48	21.48			20	16QAM	50	0	21.48	21.38	21.44	21.33	22	1	20	16QAM	50	0	21.78	21.54	21.69	21.78			20	16QAM	50	0	21.78	21.54	21.69	21.78		
20	16QAM	1	96	21.49	21.48	21.51	21.48			20	16QAM	1	96	21.50	21.28	21.44	21.38			20	16QAM	1	96	21.79	21.63	21.72	21.79			20	16QAM	1	96	21.79	21.63	21.72	21.79		
20	16QAM	50	24	20.47	20.58	20.50	20.50			20	16QAM	50	24	20.47	20.58	20.52	20.56			20	16QAM	50	24	20.47	20.23	20.23	20.36			20	16QAM	50	24	21.84	21.61	21.72	21.72	22.5	0
20	16QAM	100	0	20.51	20.54	20.52	20.50			20	16QAM	100	0	20.54	20.27	20.40	20.30			20	16QAM	100	0	20.54	20.27	20.40	20.30			20	16QAM	100	0	21.77	21.47	21.69	21.76		
20	16QAM	100	24	20.37	20.54	20.55	20.56			20	16QAM	100	24	20.41	20.25	20.42	20.36			20	16QAM	100	24	20.41	20.25	20.36	20.40	21	0	20	16QAM	100	24	21.73	21.45	21.63	21.75		
20	16QAM	50	0	20.51	20.50	20.52	20.50			20	16QAM	50	0	20.54	20.27	20.40	20.30			20	16QAM	50	0	20.54	20.27	20.40	20.30			20	16QAM	50	0	21.77	21.47	21.69	21.76		
20	16QAM	1	48	20.34	20.51	20.52	20.46			20	16QAM	1	48	20.46	20.25	20.50	20.31	21	0	20	16QAM	1	48	20.46	20.25	20.29	20.39			20	16QAM	1	48	21.84	21.47	21.52	21.64	22.5	0
20	16QAM	1	96	20.34	20.54	20.47	20.40			20	16QAM	1	96	20.46	20.25	20.52	20.43			20	16QAM	1	96	20.46	20.25	20.28	20.39			20	16QAM	1	96	21.72	21.45	21.52	21.65	22.5	0
20	16QAM	50	0	19.42	19.52	19.50	19.48			20	16QAM	50	0	19.40	19.44	19.48	19.40			20	16QAM	50	0	20.80	20.59	20.70	20.80			20	16QAM	50	0	20.80	20.59	20.70	20.80		
20	16QAM	50	24	19.37	19.51	19.42	19.33			20	16QAM	50	24	19.38	19.41	19.48	19.35			20	16QAM	50	24	19.38	19.27	19.23	19.23			20	16QAM	50	24	20.81	20.49	20.63	20.63	21.5	1
20	16QAM	100	0	19.34	19.50	19.40	19.39			20	16QAM	100	0	19.33	19.42	19.41	19.38			20	16QAM	100	0	19.37	19.24	19.27	19.27			20	16QAM	100	0	20.77	20.47	20.57	20.57		
20	16QAM	100	24	19.34	19.50	19.40	19.39			20	16QAM	100	24	19.34	19.45	19.45	19.39			20	16QAM	100	24	19.37	19.48	19.48	19.40			20	16QAM	100	24	20.78	20.48	20.57	20.58		
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.48	22.38	22.39	22.38			15	QPSK	1	0	22.48	22.38	22.40	22.43			15	QPSK	1	0	20.44	20.30	20.34	20.36			15	QPSK	1	0	21.78	21.68	21.73	21.78		
15	QPSK	1	37	22.43	22.38	22.38	22.37	23	0	15	QPSK	1	37	22.45	22.37	22.48	22.38			15	QPSK	1	37	20.42	20.28	20.30	20.38			15	QPSK	1	37	21.73	21.65	21.64	21.63	22.5	0
15	QPSK	1	74	22.32	22.38	22.38	22.35			15	QPSK	1	74	20.43	20.20	20.28	20.28			15	QPSK	1	74	20.43	20.20	20.28	20.28			15	QPSK	1	74	21.79	21.58	21.69	21.68		
15	QPSK	50	0	21.44	21.43	21.41	21.38			15	QPSK	50	0	21.44	21.47	21.42	21.40			15	QPSK	50	0	21.80	21.63	21.65	21.70			15	QPSK	50	0	21.80	21.63	21.65	21.70		
15	QPSK	50	24	21.34	21.34	21.41	21.39	22	1	15	QPSK	50	24	21.38	20.99	21.38	21.28			15	QPSK	50	24	20.38	20.15	20.20	20.21	21	0	15	QPSK	50	24	21.69	21.53	21.61	21.63	22.5	0
15	QPSK	36	36	21.33	21.31	21.27	21.27			15	QPSK	36	36	21.46	21.13	21.27	21.24			15	QPSK	36	36	20.38	20.10	20.22	20.28			15	QPSK	36	36	21.78	21.53	21.61	21.70		
15	QPSK	1	0	21.43	21.39	21.39	21.44			15	QPSK	1	0	21.50	21.11	21.38	21.14			15	QPSK	1	0	21.50	21.28	21.29	21.30			15	QPSK	1	0	21.57	21.26	21.32	21.32		
15	QPSK	1	37	21.34	21.38	21.38	21.33	22	1	15	QPSK	1	37	21.42	21.19	21.39	21.18			15	QPSK	1	37	21.42	21.19	21.39	21.18			15	QPSK	1	37	21.77	21.54	21.60	21.70	22.5	0
15	QPSK	1	74	21.43	21.41	21.41	21.35			15	QPSK	1	74	21.43	21.20	21.39	21.18			15	QPSK	1	74	21.43	21.20	21.39	21.18			15	QPSK	1	74	21.76	21.51	21.58	21.70		
15	QPSK	50	0	20.42	20.43	20.42	20.46			15	QPSK	50	0	20.34	20.17	20.50	20.42			15	QPSK	50	0	20.34	20.17	20.50	20.42			15	QPSK	50	0	21.80	21.55	21.67	21.68		
15	QPSK	50	24	20.18	20.44	20.48	20.32			15	QPSK	50	24	20.30	20.10	20.37	20.30			15	QPSK	50	24	20.30	20.07	20.44	20.27			15	QPSK	50	24	21.82	21.48	21.58	21.58	22.5	0
15	QPSK	36	36	20.28	20.44	20.44	20.37			15	QPSK	36	36	20.28	20.07	20.44	20.27			15	QPSK	36	36	20.28	20.07	20.44	20.27			15	QPSK	36	36	21.82	21.48	21.58	21.58		
15	QPSK	75	0	20.20	20.38	20.47	20.29			15	QPSK	75	0	20.32	20.14	20.39	20.37			15	QPSK	75	0	20.32	20.08	20.29	20.33	21	0	15	QPSK	75	0	21.80	21.44	21.58	21.62		
15	QPSK	1	0	19.53	19.57	19.52	19.59			15	QPSK	1	0	20.30	20.01	20.30	20.26			15	QPSK	1	0	20.30	20.01	20.30	20.26			15	QPSK	1	0	21.84	21.27	21.44	21.43	22.5	0
15	QPSK	1	37	19.47	19.57	19.54	19.47			15	QPSK	1	37	19.47	19.07	19.44	19.20			15	QPSK	1	37	19.47	19.07	19.44	19.20			15	QPSK	1	37	21.81	21.33	21.50	21.63		
15	QPSK	1	74	19.47	19.57	19.54	19.47			15	QPSK	1	74	19.47	19.07	19.44	19.20			15	QPSK	1	74	19.47	19.07	19.44	19.20			15	QPSK	1	74	21.81	21.33	21.50	21.63		
15	QPSK	50	0	19.42	19.52	19.50	19.48			15	QPSK	50	0	19.40	19.44	19.48	19.40			15	QPSK	50	0	20.80	20.59	20.70	20.80			15	QPSK	50	0	20.80	20.59	20.70	20.80		
15	QPSK	50	24	19.37	19.51	19.42	19.33																																

Reduced Power Mode for ECI 18

Band 2_Ant 1																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.41	23.43	23.38	24.5	0								
20	QPSK	1	49	23.38	23.40	23.37										
20	QPSK	1	99	23.29	23.32	23.31										
20	QPSK	50	0	23.31	22.40	22.35										
20	QPSK	50	24	22.32	22.35	22.34	23.5	1								
20	QPSK	50	50	22.34	22.37	22.34										
20	QPSK	100	0	22.35	22.37	22.35										
20	16QAM	1	0	22.71	22.57	22.63										
20	16QAM	1	49	22.70	22.57	22.64	23.5	1								
20	16QAM	1	99	22.59	22.52	22.61										
20	16QAM	50	0	21.38	21.35	21.37										
20	16QAM	50	24	21.36	21.39	21.33										
20	16QAM	50	50	21.33	21.36	21.32	22.5	2								
20	16QAM	100	0	21.34	21.35	21.33										
20	64QAM	1	0	21.64	21.49	21.52										
20	64QAM	1	49	21.62	21.59	21.51										
20	64QAM	1	99	21.44	21.48	21.49	22.5	2								
20	64QAM	50	0	20.40	20.37	20.40										
20	64QAM	50	24	20.39	20.41	20.36										
20	64QAM	50	50	20.35	20.37	20.33										
20	64QAM	100	0	20.37	20.36	20.34	21.5	3								
Channel																
Frequency (MHz)																
15	QPSK	1	0	23.29	23.26	23.25	24.5	0								
15	QPSK	1	37	23.41	23.33	23.25										
15	QPSK	1	74	23.22	23.17	23.17										
15	QPSK	36	0	22.33	22.29	22.35										
15	QPSK	36	20	22.24	22.19	22.22	23.5	1								
15	QPSK	36	39	22.30	22.24	22.23										
15	QPSK	75	0	22.34	22.32	22.23										
15	16QAM	1	0	22.42	22.58	22.50										
15	16QAM	1	37	22.52	22.62	22.56	23.5	1								
15	16QAM	1	74	22.49	22.58	22.59										
15	16QAM	36	0	21.29	21.27	21.29										
15	16QAM	36	20	21.33	21.23	21.23										
15	16QAM	36	39	21.24	21.29	21.21	22.5	2								
15	16QAM	75	0	21.29	21.22	21.21										
15	64QAM	1	0	21.45	21.53	21.41										
15	64QAM	1	37	21.49	21.59	21.39										
15	64QAM	1	74	21.33	21.37	21.38	22.5	2								
15	64QAM	36	0	20.35	20.30	20.26										
15	64QAM	36	20	20.28	20.33	20.21										
15	64QAM	36	39	20.31	20.22	20.24										
15	64QAM	75	0	20.27	20.31	20.24	21.5	3								
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.29	23.33	23.19	24.5	0								
10	QPSK	1	25	23.35	23.33	23.35										
10	QPSK	1	49	23.29	23.25	23.17										
10	QPSK	25	0	22.36	22.23	22.25										
10	QPSK	25	12	22.29	22.17	22.19	23.5	1								
10	QPSK	25	25	22.29	22.20	22.26										
10	QPSK	50	0	22.27	22.24	22.28										
10	16QAM	1	0	22.54	22.57	22.51										
10	16QAM	1	25	22.53	22.66	22.51	23.5	1								
10	16QAM	1	49	22.48	22.45	22.36										
10	16QAM	25	0	21.25	21.25	21.25										
10	16QAM	25	12	21.35	21.31	21.22										
10	16QAM	25	25	21.32	21.32	21.18	22.5	2								
10	16QAM	50	0	21.22	21.26	21.24										
10	64QAM	1	0	21.44	21.58	21.37										
10	64QAM	1	25	21.49	21.45	21.47										
10	64QAM	1	49	21.41	21.43	21.48	22.5	2								
10	64QAM	25	0	20.27	20.39	20.33										
10	64QAM	25	12	20.26	20.34	20.21										
10	64QAM	25	25	20.25	20.20	20.23										
10	64QAM	50	0	20.28	20.36	20.20	21.5	3								
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.23	23.33	23.27	24.5	0								
5	QPSK	1	12	23.42	23.39	23.22										
5	QPSK	1	24	23.28	23.21	23.10										
5	QPSK	12	0	22.39	22.25	22.21										
5	QPSK	12	7	22.25	22.19	22.25	23.5	1								
5	QPSK	12	13	22.26	22.22	22.23										
5	QPSK	25	0	22.20	22.23	22.33										
5	16QAM	1	0	22.47	22.62	22.61										
5	16QAM	1	12	22.44	22.56	22.50	23.5	1								
5	16QAM	1	24	22.47	22.53	22.47										
5	16QAM	12	0	21.34	21.31	21.30										
5	16QAM	12	7	21.33	21.34	21.19										
5	16QAM	12	13	21.26	21.19	21.19	22.5	2								
5	16QAM	25	0	21.28	21.32	21.22										
5	64QAM	1	0	21.44	21.50	21.39										
5	64QAM	1	12	21.54	21.47	21.44										
5	64QAM	1	24	21.35	21.34	21.42	22.5	2								
5	64QAM	12	0	20.33	20.37	20.25										
5	64QAM	12	7	20.40	20.29	20.23										
5	64QAM	12	13	20.30	20.29	20.30										
5	64QAM	25	0	20.32	20.27	20.21	21.5	3								
Channel																
Frequency (MHz)																
3	QPSK	1	0	23.25	23.30	23.25	24.5	0								
3	QPSK	1	8	23.29	23.37	23.28										
3	QPSK	1	14	23.27	23.14	23.19										
3	QPSK	8	0	22.28	22.29	22.34										
3	QPSK	8	4	22.27	22.21	22.22	23.5	1								
3	QPSK	8	7	22.26	22.22	22.28										
3	QPSK	15	0	22.22	22.22	22.22										
3	16QAM	1	0	22.51	22.62	22.49										
3	16QAM	1	8	22.49	22.64	22.61	23.5	1								
3	16QAM	1	14	22.49	22.58	22.55										
3	16QAM	8	0	21.25	21.25	21.25										
3	16QAM	8	4	21.32	21.33	21.22										
3	16QAM	8	7	21.32	21.20	21.20	22.5	2								
3	16QAM	15	0	21.30	21.21	21.22										
3	64QAM	1	0	21.38	21.57	21.45										
3	64QAM	1	8	21.50	21.47	21.48										
3	64QAM	1	14	21.42	21.39	21.42	22.5	2								
3	64QAM	8	0	20.31	20.31	20.39										
3	64QAM	8	4	20.31	20.30	20.28										
3	64QAM	8	7	20.36	20.25	20.18										
3	64QAM	15	0	20.28	20.33	20.33	21.5	3								
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.56	23.02	23.28	24.5	0								
1.4	QPSK	1	3	23.26	23.26	23.26										
1.4	QPSK	1	5	23.19	23.16	23.18										
1.4	QPSK	3	0	23.26	23.39	23.26										
1.4	QPSK	3	3	23.18	23.20	23.20	23.5	1								
1.4	QPSK	6	0	22.22	22.26	22.25										
1.4	QPSK	6	3	22.22	22.26	22.25										
1.4	16QAM	1	0	22.43	22.65	22.59										
1.4	16QAM	1	5	22.39	22.48	22.38	23.5	1								
1.4	16QAM	3	0	22.52	22.62	22.52										
1.4	16QAM	3	1	22.51	22.68	22.52										
1.4	16QAM	3	3	22.47	22.58	22.48										
1.4	16QAM	6	0	21.30	21.32	21.30	22.5	2								
1.4	64QAM	1	0	21.39	21.59	21.38										
1.4	64QAM	1	3	21.55	21.53	21.44										
1.4	64QAM	1	5	21.47	21.32	21.44										
1.4	64QAM	3	0	21.47	21.59	21.37	22.5	2								
1.4	64QAM	3	1	21.56	21.48	21.44										
1.4	64QAM	3	3	21.46	21.46	21.46										
1.4	64QAM	6	0	20.35	20.31	20.30										

Band 4_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20050	17030	1745						
20	QPSK	1	0	23.25	23.30	23.27	24.5	0				
20	QPSK	1	49	23.22	23.26	23.22						
20	QPSK	50	0	22.29	22.31	22.30						
20	QPSK	50	24	22.27	22.22	22.25						
20	QPSK	50	50	22.21	22.19	22.28	23.5	1				
20	QPSK	100	0	22.24	22.20	22.26						
20	16QAM	1	0	22.52	22.53	22.49						
20	16QAM	1	49	22.53	22.51	22.48						
20	16QAM	1	99	22.44	22.36	22.50	23.5	1				
20	16QAM	50	0	21.23	21.20	21.21						
20	16QAM	50	24	21.26	21.19	21.26						
20	16QAM	50	50	21.22	21.20	21.26						
20	16QAM	100	0	21.22	21.18	21.24	22.5	2				
20	64QAM	1	0	21.34	21.45	21.41						
20	64QAM	1	49	21.42	21.43	21.46						
20	64QAM	1	99	21.27	21.21	21.42						
20	64QAM	50	0	20.24	20.22	20.21	22.5	2				
20	64QAM	50	24	20.27	20.21	20.27						
20	64QAM	50	50	20.21	20.19	20.27						
20	64QAM	100	0	20.23	20.19	20.25						
Channel												
Frequency (MHz)				20025	17075	20025	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1722.5	1747.5						
15	QPSK	1	0	23.19	23.16	23.13	24.5	0				
15	QPSK	1	37	23.09	23.16	23.13						
15	QPSK	1	74	23.10	23.03	23.12						
15	QPSK	36	0	22.22	22.17	22.17						
15	QPSK	36	20	22.12	22.19	22.24	23.5	1				
15	QPSK	36	39	22.11	22.06	22.15						
15	QPSK	75	0	22.09	22.21	22.25						
15	16QAM	1	0	22.46	22.41	22.34						
15	16QAM	1	37	22.39	22.49	22.40	23.5	1				
15	16QAM	1	74	22.40	22.30	22.42						
15	16QAM	36	0	21.12	21.05	21.15						
15	16QAM	36	20	21.16	21.05	21.19						
15	16QAM	36	39	21.09	21.13	21.13	22.5	2				
15	16QAM	75	0	21.13	21.10	21.20						
15	64QAM	1	0	21.27	21.39	21.28						
15	64QAM	1	37	21.30	21.38	21.37						
15	64QAM	1	74	21.13	21.21	21.33	22.5	2				
15	64QAM	36	0	20.17	20.18	20.27						
15	64QAM	36	20	20.26	20.20	20.26						
15	64QAM	36	39	20.11	20.08	20.21						
15	64QAM	75	0	20.20	20.08	20.20	21.5	3				
Channel												
Frequency (MHz)				20000	20175	20350				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1722.5	1750						
10	QPSK	1	0	23.14	23.18	23.18				24.5	0	
10	QPSK	1	25	23.07	23.12	23.19						
10	QPSK	1	49	23.06	23.07	23.19						
10	QPSK	25	0	22.16	22.21	22.21						
10	QPSK	25	12	22.14	22.14	22.19	23.5	1				
10	QPSK	25	25	22.14	22.14	22.18						
10	QPSK	50	0	22.18	22.14	22.14						
10	16QAM	1	0	22.39	22.43	22.38						
10	16QAM	1	25	22.51	22.47	22.42	23.5	1				
10	16QAM	1	49	22.37	22.34	22.42						
10	16QAM	25	0	21.16	21.16	21.19						
10	16QAM	25	12	21.15	21.09	21.17						
10	16QAM	25	25	21.07	21.13	21.25	22.5	2				
10	16QAM	50	0	21.17	21.14	21.20						
10	64QAM	1	0	21.25	21.33	21.30						
10	64QAM	1	25	21.38	21.36	21.40						
10	64QAM	1	49	21.26	21.13	21.49	22.5	2				
10	64QAM	25	0	20.13	20.08	20.08						
10	64QAM	25	12	20.23	20.07	20.25						
10	64QAM	25	25	20.12	20.07	20.21						
10	64QAM	50	0	20.15	20.05	20.19	21.5	3				
Channel												
Frequency (MHz)				16975	20175	20375				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5						
5	QPSK	1	0	23.18	23.18	23.24				24.5	0	
5	QPSK	1	12	23.09	23.23	23.07						
5	QPSK	1	24	23.06	23.08	23.10						
5	QPSK	12	0	22.14	22.24	22.16						
5	QPSK	12	7	22.20	22.16	22.14	23.5	1				
5	QPSK	12	13	22.18	22.15	22.21						
5	QPSK	25	0	22.23	22.28	22.14						
5	16QAM	1	0	22.40	22.41	22.35						
5	16QAM	1	12	22.50	22.37	22.34	23.5	1				
5	16QAM	1	24	22.33	22.35	22.45						
5	16QAM	12	0	21.17	21.06	21.16						
5	16QAM	12	7	21.17	21.07	21.21						
5	16QAM	12	13	21.16	21.07	21.25	22.5	2				
5	16QAM	25	0	21.13	21.05	21.09						
5	64QAM	1	0	21.20	21.39	21.40						
5	64QAM	1	12	21.31	21.36	21.45						
5	64QAM	1	24	21.25	21.11	21.33	22.5	2				
5	64QAM	12	0	20.14	20.20	20.14						
5	64QAM	12	7	20.16	20.11	20.14						
5	64QAM	12	13	20.13	20.16	20.25						
5	64QAM	25	0	20.11	20.11	20.20	21.5	3				
Channel												
Frequency (MHz)				16965 <th>20175</th> <th>20365</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20175	20365				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5 <th>1732.5</th> <th>1753.5</th> <th></th> <th></th> <th></th>	1732.5	1753.5						
3	QPSK	1	0	23.14	23.15	23.20				24.5	0	
3	QPSK	1	8	23.15	23.21	23.11						
3	QPSK	1	14	22.97	23.07	23.16						
3	QPSK	8	0	22.18	22.20	22.12						
3	QPSK	8	4	22.25	22.18	22.12	23.5	1				
3	QPSK	8	7	22.16	22.16	22.22						
3	QPSK	15	0	22.09	22.27	22.24						
3	16QAM	1	0	22.45	22.40	22.45						
3	16QAM	1	8	22.45	22.47	22.40	23.5	1				
3	16QAM	1	14	22.33	22.22	22.46						
3	16QAM	8	0	21.21	21.08	21.10						
3	16QAM	8	4	21.22	21.10	21.15						
3	16QAM	4	7	21.07	21.09	21.15	22.5	2				
3	16QAM	15	0	21.08	21.06	21.12						
3	64QAM	1	0	21.30	21.43	21.29						
3	64QAM	1	8	21.36	21.29	21.40						
3	64QAM	1	14	21.13	21.12	21.38	22.5	2				
3	64QAM	8	0	20.18	20.15	20.13						
3	64QAM	8	4	20.12	20.13	20.13						
3	64QAM	8	7	20.07	20.04	20.18						
3	64QAM	15	0	20.08	20.08	20.10	21.5	3				
Channel												
Frequency (MHz)				16957 <th>20175</th> <th>20363</th> <th>Time-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20175	20363				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7 <th>1732.5</th> <th>1754.3</th> <th></th> <th></th> <th></th>	1732.5	1754.3						
1.4	QPSK	1	0	23.16	23.22	23.13	24.5	0				
1.4	QPSK	1	8	23.17	23.23	23.10						
1.4	QPSK	1	5	22.98	23.12	23.18						
1.4	QPSK	3	0	23.14	23.25	23.25						
1.4	QPSK	3	1	23.07	23.24	23.19	23.5	1				
1.4	QPSK	3	3	23.01	23.08	23.21						
1.4	QPSK	6	0	22.26	22.28	22.12						
1.4	16QAM	1	0	22.40	22.38	22.38						
1.4	16QAM	1	3	22.48	22.39	22.38	23.5	1				
1.4	16QAM	1	5	22.40	22.35	22.45						
1.4	16QAM	3	0	22.38	22.39	22.46						
1.4	16QAM	3	1	22.51	22.40	22.47						
1.4	16QAM	3	1	22.45	22.38	22.46	22.5	1				
1.4	16QAM	6	0	21.21	21.14	21.14						
1.4	64QAM	1	0	21.33	21.38	21.36						
1.4	64QAM	1	3	21.29	21.37	21.41						
1.4	64QAM	1	5	21.16	21.13	21.38	22.5	2				
1.4	64QAM	3	0	21.22	21.43	21.26						
1.4	64QAM	3	1	21.40	21.28	21.38						
1.4	64QAM	3	1	21.21	21.17	21.31						
1.4	64QAM	6	0	20.16	20.11	20.22	21.5	3				

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.78	23.87	23.90	25	0	
10	QPSK	1	25	23.66	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.84	22.77	22.74	24	1	
10	QPSK	25	12	22.83	22.67	22.72			
10	QPSK	25	25	22.83	22.69	22.70			
10	QPSK	50	0	22.87	22.75	22.73	24	1	
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97	23	2	
10	16QAM	25	0	21.66	21.63	21.74			
10	16QAM	25	12	21.60	21.71	21.69			
10	16QAM	25	25	21.80	21.78	21.71	23	2	
10	16QAM	50	0	21.82	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.86	21.77	21.95	23	2	
10	64QAM	1	49	21.94	21.96	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.89	25	0	
5	QPSK	1	12	23.54	23.73	23.38			
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.80	22.72	22.61	24	1	
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.62	22.62			
5	QPSK	25	0	22.56	22.62	22.66	24	1	
5	16QAM	1	0	22.87	22.80	22.81			
5	16QAM	1	12	22.81	22.62	22.93			
5	16QAM	1	24	22.87	22.90	22.86	23	2	
5	16QAM	12	0	21.65	21.54	21.72			
5	16QAM	12	7	21.96	21.64	21.65			
5	16QAM	12	13	21.57	21.73	21.70	23	2	
5	16QAM	25	0	21.81	21.66	21.56			
5	64QAM	1	0	21.89	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94	23	2	
5	64QAM	1	24	21.72	21.93	21.76			
5	64QAM	12	0	20.49	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58	22	3	
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.69	20.62	20.74			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.76	25	0	
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.61	23.69	23.70			
3	QPSK	8	0	22.57	22.76	22.71	24	1	
3	QPSK	8	4	22.82	22.59	22.69			
3	QPSK	8	7	22.80	22.61	22.69			
3	QPSK	15	0	22.59	22.73	22.64	24	1	
3	16QAM	1	0	22.82	22.89	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.88	22.91	23	2	
3	16QAM	8	0	21.85	21.57	21.63			
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64	23	2	
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.95	21.95			
3	64QAM	1	8	21.78	21.69	21.88	23	2	
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57	22	3	
3	64QAM	8	7	20.83	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84	25	0	
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85	24	1	
1.4	QPSK	3	1	23.83	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.58	22.61	22.65	24	1	
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.84	22.59	23.00			
1.4	16QAM	1	5	22.86	22.86	22.84	24	1	
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.88	22.86	23	2	
1.4	16QAM	6	0	21.57	21.64	21.67			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.82	21.73	21.92	23	2	
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70	22	3	
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup (lim (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.61	23.57			
10	QPSK	25	0	22.55	22.78	22.63	24	1	
10	QPSK	25	25	22.55	22.58	22.47			
10	QPSK	50	0	22.56	22.80	22.52			
10	16QAM	1	0	22.85	23.05	22.80	24	1	
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93			
10	16QAM	25	0	21.57	21.47	21.80	23	2	
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62			
10	16QAM	50	0	21.61	21.46	21.61	23	2	
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.80	21.68			
10	64QAM	1	49	21.62	21.69	21.94	23	2	
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48			
10	64QAM	25	25	20.52	20.58	20.52	22	3	
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Turn-up (lim (dBm)	MPR (dB)	
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40	24	1	
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33	23	2	
5	QPSK	25	0	22.54	22.67	22.48			
5	16QAM	1	0	22.88	23.05	22.80			
5	16QAM	1	12	22.58	22.71	22.90	24	1	
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.46	21.53			
5	16QAM	12	7	21.58	21.30	21.53	23	2	
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.68	21.39	21.48			
5	64QAM	1	0	21.62	21.59	21.75	23	2	
5	64QAM	1	12	21.61	21.58	21.64			
5	64QAM	1	24	21.48	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48	22	3	
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.62	20.50	20.58	25		
Channel				20445	20525	20630			
Frequency (MHz)				828.5 <th>836.5<th>847.5<th></th><th></th><th></th></th></th>	836.5 <th>847.5<th></th><th></th><th></th></th>	847.5 <th></th> <th></th> <th></th>			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.44	23.53	23.48			
3	QPSK	8	0	22.53	22.61	22.42	24	1	
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	7	7	22.41	22.52	22.40			
3	QPSK	16	0	22.54	22.56	22.44	24	1	
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89			
3	16QAM	1	14	22.77	22.83	22.85	24	1	
3	16QAM	8	0	21.53	21.37	21.46			
3	16QAM	8	4	21.57	21.39	21.53			
3	16QAM	8	7	21.53	21.37	21.58	23	2	
3	16QAM	15	0	21.59	21.31	21.47			
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.65	23	2	
3	64QAM	1	14	21.55	21.61	21.68			
3	64QAM	8	0	20.49	20.41	20.60			
3	64QAM	8	4	20.39	20.44	20.46	22	3	
3	64QAM	8	7	20.48	20.47	20.40			
3	64QAM	15	0	20.43	20.42	20.49			
Channel				20407	20525	20643	Turn-up (lim (dBm)	MPR (dB)	
Frequency (MHz)				824.7 <th>836.5<th>848.3</th><th></th><th></th><th></th></th>	836.5 <th>848.3</th> <th></th> <th></th> <th></th>	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	1	0	23.54	23.60	23.54	24	1	
1.4	QPSK	1	1	23.45	23.52	23.49			
1.4	QPSK	3	3	23.46	23.54	23.45			
1.4	QPSK	6	0	22.43	22.47	22.39	24	1	
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.89	22.89			
1.4	16QAM	1	5	22.87	22.79	22.67	24	1	
1.4	16QAM	3	0	22.80	22.79	22.79			
1.4	16QAM	3	1	22.86	22.79	22.90			
1.4	16QAM	3	3	22.74	22.72	22.86	23	2	
1.4	16QAM	6	0	21.50	21.37	21.58			
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63	23	2	
1.4	64QAM	1	5	21.57	21.67	21.83			
1.4	64QAM	3	0	21.61	21.46	21.86			
1.4	64QAM	3	1	21.63	21.59	21.57	22		
1.4	64QAM	3	3	21.60	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.90			

Band 7_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	22.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	21.03	21.12	21.05				
20	QPSK	1	49	20.95	21.00	21.01				
20	QPSK	1	99	20.92	21.10	20.99	22.5	0		
20	QPSK	50	0	21.01	21.10	21.03				
20	QPSK	50	24	20.85	20.94	20.90				
20	QPSK	50	50	20.91	21.09	20.89				
20	QPSK	100	0	20.95	21.06	21.00	22.5	0		
20	16QAM	1	0	20.98	21.11	21.01				
20	16QAM	1	49	20.93	20.91	20.92				
20	16QAM	1	99	20.88	20.86	20.87				
20	16QAM	50	0	20.86	20.93	20.79	22.5	0		
20	16QAM	50	24	20.80	20.94	20.81				
20	16QAM	50	50	20.87	20.95	20.87				
20	16QAM	100	0	20.84	20.85	20.84				
20	64QAM	1	0	21.06	21.06	20.92	22.5	0		
20	64QAM	1	49	21.04	21.05	21.06				
20	64QAM	1	99	21.01	20.91	21.07				
20	64QAM	50	0	19.83	19.83	19.85				
20	64QAM	50	24	19.86	19.80	19.82	21.5	1		
20	64QAM	50	50	19.79	19.76	19.67				
20	64QAM	100	0	19.89	19.87	19.81				
Channel				20825	21100	21375	22.5	0		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	20.84	21.08	21.02				
15	QPSK	1	37	20.83	20.93	20.92				
15	QPSK	1	74	20.85	21.02	20.87	22.5	0		
15	QPSK	36	0	20.93	21.02	20.97				
15	QPSK	36	20	20.76	20.79	20.85				
15	QPSK	36	39	20.86	20.95	20.76				
15	QPSK	75	0	20.81	20.99	20.86	22.5	0		
15	16QAM	1	0	20.83	20.97	20.89				
15	16QAM	1	37	20.86	20.81	20.78				
15	16QAM	1	74	20.81	20.90	20.96				
15	16QAM	36	0	20.72	20.79	20.69	22.5	0		
15	16QAM	36	20	20.66	20.82	20.79				
15	16QAM	36	39	20.81	20.92	20.73				
15	16QAM	75	0	20.70	20.76	20.72				
15	64QAM	1	0	20.97	20.93	20.94	22.5	0		
15	64QAM	1	37	21.01	20.94	21.05				
15	64QAM	1	74	20.95	20.76	20.98				
15	64QAM	36	0	19.82	19.70	19.83				
15	64QAM	36	20	19.85	19.71	19.77	21.5	1		
15	64QAM	36	39	19.89	19.67	19.77				
15	64QAM	75	0	19.78	19.74	19.67				
Channel				20900	21100	21400	22.5	0		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	20.97	21.02	21.03				
10	QPSK	1	25	20.93	20.90	20.97				
10	QPSK	1	49	20.88	20.88	20.86	22.5	0		
10	QPSK	25	0	20.94	21.09	21.00				
10	QPSK	25	12	20.73	20.87	20.75				
10	QPSK	25	25	20.89	21.08	20.88				
10	QPSK	50	0	20.89	20.92	20.95	22.5	0		
10	16QAM	1	0	20.88	21.04	20.89				
10	16QAM	1	25	20.82	20.79	20.84				
10	16QAM	1	49	20.77	20.86	20.86				
10	16QAM	25	0	20.78	20.91	20.86	22.5	0		
10	16QAM	25	12	20.71	20.92	20.86				
10	16QAM	25	25	20.84	20.83	20.75				
10	16QAM	50	0	20.69	20.72	20.77				
10	64QAM	1	0	20.96	20.91	20.84	22.5	0		
10	64QAM	1	25	21.03	20.92	21.00				
10	64QAM	1	49	20.99	20.83	20.84				
10	64QAM	25	0	19.73	19.73	19.76				
10	64QAM	25	12	19.83	19.72	19.71	21.5	1		
10	64QAM	25	25	19.72	19.67	19.80				
10	64QAM	50	0	19.62	19.81	19.76				
Channel				20775	21100	21425	22.5	0		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.95	20.97	20.97				
5	QPSK	1	12	20.84	20.93	20.80				
5	QPSK	1	24	20.78	21.03	20.85	22.5	0		
5	QPSK	12	0	20.88	20.97	20.93				
5	QPSK	12	7	20.70	20.81	20.79				
5	QPSK	12	13	20.77	21.03	20.85				
5	QPSK	25	0	20.90	20.92	20.97	22.5	0		
5	16QAM	1	0	20.87	21.01	20.84				
5	16QAM	1	12	20.78	20.82	20.84				
5	16QAM	1	24	20.75	20.94	20.84				
5	16QAM	12	0	20.81	20.84	20.68	22.5	0		
5	16QAM	12	7	20.70	20.83	20.75				
5	16QAM	12	13	20.78	20.88	20.80				
5	16QAM	25	0	20.71	20.84	20.70				
5	64QAM	1	0	20.94	20.91	20.80	22.5	0		
5	64QAM	1	12	21.01	21.01	21.01				
5	64QAM	1	24	20.94	20.90	21.00				
5	64QAM	12	0	19.70	19.68	19.83				
5	64QAM	12	7	19.79	19.75	19.81	21.5	1		
5	64QAM	12	13	19.74	19.66	19.84				
5	64QAM	25	0	19.65	19.81	19.76				

Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	17.65	17.66	17.55	18.5	0		
20	QPSK	1	49	17.42	17.61	17.45				
20	QPSK	1	99	17.57	17.50	17.48				
20	QPSK	50	0	17.61	17.62	17.51				
20	QPSK	50	24	17.41	17.45	17.33	18.5	0		
20	QPSK	50	50	17.56	17.60	17.33				
20	QPSK	100	0	17.52	17.60	17.45				
20	16QAM	1	0	17.50	17.51	17.51				
20	16QAM	1	49	17.39	17.52	17.36	18.5	0		
20	16QAM	1	99	17.55	17.33	17.35				
20	16QAM	50	0	17.44	17.42	17.49				
20	16QAM	50	24	17.37	17.52	17.20				
20	16QAM	50	50	17.57	17.56	17.37	18.5	0		
20	16QAM	100	0	17.51	17.53	17.45				
20	64QAM	1	0	17.50	17.43	17.41				
20	64QAM	1	49	17.42	17.51	17.34				
20	64QAM	1	99	17.53	17.30	17.28	18.5	0		
20	64QAM	50	0	17.46	17.46	17.55				
20	64QAM	50	24	17.30	17.30	17.29				
20	64QAM	50	50	17.47	17.53	17.35				
20	64QAM	100	0	17.44	17.52	17.47				
Channel				20625	21000	21375	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	17.51	17.59	17.53				
15	QPSK	1	37	17.31	17.53	17.38			18.5	0
15	QPSK	1	74	17.46	17.36	17.36				
15	QPSK	36	0	17.58	17.59	17.59				
15	QPSK	36	20	17.27	17.35	17.18				
15	QPSK	36	39	17.47	17.52	17.25	18.5	0		
15	QPSK	75	0	17.47	17.57	17.36				
15	16QAM	1	0	17.40	17.41	17.50				
15	16QAM	1	37	17.30	17.38	17.21				
15	16QAM	36	0	17.4	17.48	17.48	18.5	0		
15	16QAM	36	0	17.35	17.29	17.47				
15	16QAM	36	20	17.31	17.38	17.16				
15	16QAM	36	39	17.53	17.49	17.29				
15	16QAM	75	0	17.42	17.51	17.35	18.5	0		
15	64QAM	1	0	17.42	17.37	17.37				
15	64QAM	1	37	17.29	17.48	17.32				
15	64QAM	1	74	17.49	17.24	17.15				
15	64QAM	36	0	17.38	17.37	17.52	18.5	0		
15	64QAM	36	20	17.25	17.16	17.25				
15	64QAM	36	39	17.34	17.48	17.24				
15	64QAM	75	0	17.39	17.44	17.46				
Channel				20800	21100	21400	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	17.50	17.58	17.51				
10	QPSK	1	25	17.40	17.48	17.38			18.5	0
10	QPSK	1	49	17.48	17.46	17.42				
10	QPSK	25	0	17.48	17.49	17.55				
10	QPSK	25	12	17.32	17.33	17.32				
10	QPSK	25	25	17.47	17.48	17.31	18.5	0		
10	QPSK	50	0	17.48	17.45	17.37				
10	16QAM	1	0	17.48	17.48	17.48				
10	16QAM	1	25	17.29	17.37	17.29				
10	16QAM	1	49	17.52	17.22	17.21	18.5	0		
10	16QAM	25	0	17.42	17.38	17.38				
10	16QAM	25	12	17.24	17.43	17.09				
10	16QAM	25	25	17.50	17.43	17.28				
10	16QAM	50	0	17.46	17.44	17.32	18.5	0		
10	64QAM	1	0	17.47	17.49	17.37				
10	64QAM	1	25	17.34	17.36	17.22				
10	64QAM	1	49	17.51	17.18	17.20				
10	64QAM	25	0	17.33	17.45	17.46	18.5	0		
10	64QAM	25	12	17.15	17.19	17.19				
10	64QAM	25	25	17.32	17.42	17.23				
10	64QAM	40	0	17.41	17.46	17.35				
Channel				20710	21100	21425	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	17.62	17.54	17.54				
5	QPSK	1	12	17.32	17.56	17.44			18.5	0
5	QPSK	1	24	17.45	17.40	17.34				
5	QPSK	12	0	17.42	17.54	17.55				
5	QPSK	12	7	17.33	17.38	17.22				
5	QPSK	12	13	17.43	17.42	17.25	18.5	0		
5	QPSK	12	19	17.44	17.39	17.38				
5	QPSK	12	0	17.44	17.48	17.38				
5	16QAM	1	0	17.46	17.37	17.37				
5	16QAM	1	12	17.33	17.31	17.21	18.5	0		
5	16QAM	1	24	17.49	17.22	17.22				
5	16QAM	12	0	17.29	17.31	17.20				
5	16QAM	12	7	17.29	17.46	17.07				
5	16QAM	12	13	17.41	17.42	17.23	18.5	0		
5	16QAM	25	0	17.37	17.51	17.44				
5	64QAM	1	0	17.36	17.35	17.38				
5	64QAM	1	12	17.40	17.42	17.20				
5	64QAM	1	24	17.44	17.21	17.19	18.5	0		
5	64QAM	12	0	17.37	17.31	17.48				
5	64QAM	12	7	17.21	17.39	17.18				
5	64QAM	12	13	17.43	17.44	17.24				
5	64QAM	25	0	17.39	17.39	17.35				

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.43	23.50	23.45	24.5	0	
10	QPSK	1	25	23.22	23.39	23.29			
10	QPSK	1	49	23.41	23.47	23.22			
10	QPSK	25	0	22.26	22.30	22.26			
10	QPSK	25	12	22.21	22.20	22.22	23.5	1	
10	QPSK	25	25	22.24	22.28	22.22			
10	QPSK	50	0	22.23	22.27	22.24			
10	16QAM	1	0	22.52	22.37	22.60			
10	16QAM	1	25	22.42	22.32	22.35	23.5	1	
10	16QAM	1	49	22.86	22.55	22.81			
10	16QAM	25	0	21.24	21.19	21.20			
10	16QAM	25	12	21.14	21.26	21.18			
10	16QAM	25	25	21.18	21.38	21.25	22.5	2	
10	16QAM	50	0	21.17	21.24	21.23			
10	64QAM	1	0	21.25	21.36	21.22			
10	64QAM	1	25	21.53	21.35	21.40			
10	64QAM	1	49	21.50	21.39	21.30	22.5	2	
10	64QAM	25	0	20.19	20.28	20.21			
10	64QAM	25	12	20.25	20.21	20.31			
10	64QAM	25	25	20.27	20.37	20.23			
10	64QAM	50	0	20.29	20.25	20.23	21.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.38	23.37	23.38	24.5	0	
5	QPSK	1	12	23.08	23.29	23.15			
5	QPSK	1	24	23.31	23.38	23.19			
5	QPSK	12	0	22.26	22.28	22.21			
5	QPSK	12	7	22.07	22.19	22.07	23.5	1	
5	QPSK	12	13	22.12	22.23	22.16			
5	QPSK	25	0	22.17	22.24	22.16			
5	16QAM	1	0	22.37	22.28	22.56			
5	16QAM	1	12	22.37	22.17	22.33	23.5	1	
5	16QAM	1	24	22.59	22.45	22.59			
5	16QAM	12	0	21.14	21.04	21.11			
5	16QAM	12	7	21.02	21.14	21.14			
5	16QAM	12	13	21.09	21.25	21.13	22.5	2	
5	16QAM	25	0	21.06	21.19	21.16			
5	64QAM	1	0	21.13	21.29	21.08			
5	64QAM	1	12	21.38	21.31	21.25			
5	64QAM	1	24	21.47	21.29	21.34	22.5	2	
5	64QAM	12	0	20.11	20.23	20.19			
5	64QAM	12	7	20.19	20.13	20.27			
5	64QAM	12	13	20.20	20.28	20.16			
5	64QAM	25	0	20.20	20.22	20.08	21.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.40	23.49	23.35	24.5	0	
3	QPSK	1	8	23.16	23.31	23.21			
3	QPSK	1	14	23.36	23.45	23.21			
3	QPSK	8	0	22.19	22.25	22.19			
3	QPSK	8	4	22.36	22.09	22.11	23.5	1	
3	QPSK	8	7	22.14	22.22	22.16			
3	QPSK	15	0	22.09	22.19	22.20			
3	16QAM	1	0	22.51	22.30	22.59			
3	16QAM	1	8	22.35	22.25	22.28	23.5	1	
3	16QAM	1	14	22.53	22.48	22.54			
3	16QAM	8	0	21.14	21.09	21.06			
3	16QAM	8	4	21.09	21.14	21.16			
3	16QAM	8	7	21.03	21.30	21.11	22.5	2	
3	16QAM	15	0	21.12	21.14	21.22			
3	64QAM	1	0	21.21	21.35	21.09			
3	64QAM	1	8	21.46	21.22	21.39			
3	64QAM	1	14	21.36	21.34	21.29	22.5	2	
3	64QAM	8	0	20.11	20.19	20.17			
3	64QAM	8	4	20.16	20.10	20.27			
3	64QAM	8	7	20.19	20.35	20.20			
3	64QAM	15	0	20.16	20.17	20.22	21.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0	
1.4	QPSK	1	3	23.16	23.26	23.17			
1.4	QPSK	1	5	23.38	23.40	23.21			
1.4	QPSK	3	0	23.39	23.42	23.42			
1.4	QPSK	3	1	23.20	23.28	23.17	23.5	1	
1.4	QPSK	3	3	23.36	23.40	23.09			
1.4	QPSK	6	0	22.20	22.18	22.20			
1.4	16QAM	1	0	22.45	22.28	22.55			
1.4	16QAM	1	3	22.30	22.26	22.30	23.5	1	
1.4	16QAM	1	5	22.59	22.51	22.46			
1.4	16QAM	3	0	22.46	22.25	22.46			
1.4	16QAM	3	1	22.33	22.26	22.26			
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2	
1.4	16QAM	6	0	21.11	21.11	21.10			
1.4	64QAM	1	0	21.19	21.27	21.19			
1.4	64QAM	1	3	21.42	21.21	21.29			
1.4	64QAM	1	5	21.43	21.30	21.25	22.5	2	
1.4	64QAM	3	0	21.13	21.32	21.14			
1.4	64QAM	3	1	21.38	21.20	21.27			
1.4	64QAM	3	3	21.36	21.35	21.24			
1.4	64QAM	6	0	20.22	20.22	20.19	21.5	3	

Band 12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.66	23.72	23.69	24.5	0	
10	QPSK	1	25	23.60	23.64	23.54			
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.53	22.80	22.55			
10	QPSK	25	12	22.51	22.52	22.51	23.5	1	
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47			
10	16QAM	1	0	22.95	22.63	22.99			
10	16QAM	1	25	22.94	22.68	22.70	23.5	1	
10	16QAM	1	49	22.89	22.76	22.64			
10	16QAM	25	0	21.52	21.64	21.46			
10	16QAM	25	12	21.43	21.53	21.43	22.5	2	
10	16QAM	25	25	21.60	21.54	21.44			
10	16QAM	50	0	21.56	21.56	21.44			
10	64QAM	1	0	21.75	21.73	21.87			
10	64QAM	1	25	21.85	21.80	21.77	22.5	2	
10	64QAM	1	49	21.71	21.69	21.84			
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48			
10	64QAM	25	25	20.51	20.49	20.49	21.5	3	
10	64QAM	50	0	20.53	20.52	20.48			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.55	23.70	23.67	24.5	0	
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28			
5	QPSK	12	0	22.53	22.51	22.50			
5	QPSK	12	7	22.49	22.49	22.37	23.5	1	
5	QPSK	12	13	22.48	22.51	22.51			
5	QPSK	25	0	22.48	22.52	22.42	23.5	1	
5	16QAM	1	0	22.87	22.57	22.87			
5	16QAM	1	12	22.87	22.61	22.80			
5	16QAM	1	24	22.95	22.68	22.52			
5	16QAM	12	0	21.46	21.58	21.41	22.5	2	
5	16QAM	12	7	21.40	21.50	21.30			
5	16QAM	12	13	21.54	21.43	21.29			
5	16QAM	25	0	21.44	21.42	21.37			
5	64QAM	1	0	21.71	21.71	21.81	22.5	2	
5	64QAM	1	12	21.81	21.68	21.74			
5	64QAM	1	24	21.66	21.65	21.71			
5	64QAM	12	0	20.39	20.36	20.40			
5	64QAM	12	7	20.55	20.46	20.35	21.5	3	
5	64QAM	12	13	20.48	20.39	20.48			
5	64QAM	25	0	20.44	20.39	20.42			
Channel				23025	23095	23165			
Frequency (MHz)				701.5	707.5	713.5			
3	QPSK	1	0	23.56	23.63	23.63	24.5	0	
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	14	23.56	23.35	23.37			
3	QPSK	8	0	22.43	22.59	22.48			
3	QPSK	8	4	22.46	22.42	22.45	23.5	1	
3	QPSK	8	7	22.49	22.55	22.43			
3	16QAM	1	0	22.46	22.48	22.49	23.5	1	
3	16QAM	1	8	22.91	22.67	22.96			
3	16QAM	1	14	22.93	22.66	22.56			
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.30	22.5	2	
3	16QAM	8	7	21.55	21.43	21.41			
3	16QAM	15	0	21.49	21.52	21.39			
3	64QAM	1	0	21.64	21.67	21.81			
3	64QAM	1	8	21.81	21.83	21.74	22.5	2	
3	64QAM	1	14	21.68	21.66	21.83			
3	64QAM	8	0	20.52	20.40	20.43			
3	64QAM	8	4	20.48	20.48	20.34			
3	64QAM	8	7	20.43	20.41	20.43	21.5	3	
3	64QAM	15	0	20.40	20.49	20.35			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0	
1.4	QPSK	1	3	23.67	23.60	23.40			
1.4	QPSK	1	5	23.51	23.41	23.25			
1.4	QPSK	3	0	23.65	23.66	23.67			
1.4	QPSK	3	1	23.55	23.42	23.37	23.5	1	
1.4	QPSK	3	12	23.57	23.42	23.28			
1.4	QPSK	6	0	22.39	22.47	22.43			
1.4	16QAM	1	0	22.93	22.51	22.88			
1.4	16QAM	1	3	22.80	22.55	22.61	23.5	1	
1.4	16QAM	1	5	22.87	22.64	22.62			
1.4	16QAM	3	0	22.69	22.48	22.63			
1.4	16QAM	3	12	22.91	22.59	22.63			
1.4	16QAM	3	3	22.85	22.62	22.56	22.5	2	
1.4	64QAM	1	0	21.52	21.51	21.37			
1.4	64QAM	1	0	21.70	21.69	21.79			
1.4	64QAM	3	0	21.74	21.82	21.82			
1.4	64QAM	1	5	21.59	21.56	21.82	22.5	2	
1.4	64QAM	3	1	21.70	21.63	21.78			
1.4	64QAM	3	3	21.70	21.81	21.72			
1.4	64QAM	3	3	21.63	21.54	21.73			
1.4	64QAM	6	0	20.52	20.45	20.44	21.5		

Band 66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				130072	130322	130572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.40	23.45	23.44	24.5	0		
20	QPSK	1	49	23.34	23.35	23.42				
20	QPSK	1	99	23.12	23.24	23.26				
20	QPSK	50	0	22.36	22.42	22.45	23.5	1		
20	QPSK	50	24	22.30	22.33	22.35				
20	QPSK	50	50	22.26	22.28	22.36				
20	QPSK	100	0	22.32	22.40	22.36	23.5	1		
20	16QAM	1	0	22.59	22.48	22.65				
20	16QAM	1	49	22.64	22.57	22.64				
20	16QAM	1	99	22.42	22.45	22.47	22.5	2		
20	16QAM	50	0	21.28	21.38	21.45				
20	16QAM	50	24	21.29	21.33	21.42				
20	16QAM	50	50	21.25	21.29	21.35	22.5	1		
20	16QAM	100	0	21.23	21.30	21.39				
20	64QAM	1	0	21.40	21.38	21.55				
20	64QAM	1	49	21.40	21.51	21.52	22.5	2		
20	64QAM	1	99	21.31	21.38	21.46				
20	64QAM	50	0	20.30	20.34	20.49				
20	64QAM	50	24	20.32	20.34	20.44	21.5	3		
20	64QAM	50	50	20.27	20.29	20.38				
20	64QAM	100	0	20.25	20.31	20.41				
Channel				130047	130322	130597	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1771.5	1745	1772.5				
15	QPSK	1	0	23.38	23.31	23.31	24.5	0		
15	QPSK	1	37	23.07	23.13	23.18				
15	QPSK	1	74	23.04	23.10	23.15				
15	QPSK	36	0	22.23	22.33	22.26	23.5	1		
15	QPSK	36	20	22.19	22.31	22.33				
15	QPSK	36	39	22.14	22.13	22.23				
15	QPSK	75	0	22.28	22.37	22.23	23.5	1		
15	16QAM	1	0	22.56	22.35	22.43				
15	16QAM	1	37	22.63	22.43	22.58				
15	16QAM	1	74	22.33	22.36	22.46	22.5	2		
15	16QAM	36	0	21.14	21.30	21.44				
15	16QAM	36	20	21.23	21.27	21.33				
15	16QAM	36	39	21.13	21.14	21.26	22.5	1		
15	16QAM	75	0	21.22	21.26	21.38				
15	64QAM	1	0	21.33	21.34	21.52				
15	64QAM	1	37	21.26	21.47	21.38	22.5	2		
15	64QAM	1	74	21.29	21.36	21.33				
15	64QAM	36	0	20.19	20.32	20.43				
15	64QAM	36	20	20.29	20.20	20.38	21.5	3		
15	64QAM	36	39	20.38	20.23	20.34				
15	64QAM	75	0	20.21	20.23	20.33				
Channel				130022	130322	130622	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.39	23.31	23.37	24.5	0		
10	QPSK	1	25	23.21	23.33	23.29				
10	QPSK	1	49	23.10	23.14	23.16				
10	QPSK	25	0	22.29	22.37	22.27	23.5	1		
10	QPSK	25	12	22.18	22.32	22.33				
10	QPSK	25	25	22.19	22.25	22.31				
10	QPSK	50	0	22.20	22.30	22.34	23.5	1		
10	16QAM	1	0	22.46	22.34	22.51				
10	16QAM	1	25	22.56	22.50	22.63				
10	16QAM	1	49	22.33	22.42	22.40	22.5	2		
10	16QAM	25	0	21.16	21.26	21.30				
10	16QAM	25	12	21.19	21.28	21.37				
10	16QAM	25	25	21.19	21.26	21.33	22.5	2		
10	16QAM	50	0	21.16	21.22	21.25				
10	64QAM	1	0	21.30	21.23	21.52				
10	64QAM	1	25	21.26	21.41	21.43	22.5	2		
10	64QAM	1	49	21.30	21.27	21.43				
10	64QAM	25	0	20.30	20.32	20.37				
10	64QAM	25	12	20.23	20.29	20.34	21.5	3		
10	64QAM	25	25	20.15	20.21	20.25				
10	64QAM	50	0	20.14	20.28	20.37				
Channel				131997	130322	130647	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1772.5	1745	1777.5				
5	QPSK	1	0	23.35	23.39	23.32	24.5	0		
5	QPSK	1	12	23.29	23.27	23.36				
5	QPSK	1	24	23.00	23.12	23.11				
5	QPSK	12	0	22.24	22.33	22.26	23.5	1		
5	QPSK	12	7	22.21	22.31	22.26				
5	QPSK	12	13	22.11	22.18	22.25				
5	QPSK	25	0	22.17	22.32	22.23	23.5	1		
5	16QAM	1	0	22.54	22.35	22.61				
5	16QAM	1	12	22.59	22.44	22.58				
5	16QAM	1	24	22.37	22.42	22.40	22.5	2		
5	16QAM	12	0	21.25	21.29	21.44				
5	16QAM	12	7	21.24	21.19	21.28				
5	16QAM	12	13	21.24	21.21	21.29	22.5	1		
5	16QAM	25	0	21.21	21.27	21.34				
5	64QAM	1	0	21.26	21.34	21.49				
5	64QAM	1	12	21.27	21.36	21.45	22.5	2		
5	64QAM	1	24	21.20	21.27	21.32				
5	64QAM	12	0	20.20	20.25	20.35				
5	64QAM	12	7	20.29	20.27	20.29	21.5	3		
5	64QAM	12	13	20.21	20.28	20.32				
5	64QAM	25	0	20.10	20.21	20.26				
Channel				131997	130322	130657	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1772.5	1745	1777.5				
3	QPSK	1	0	23.27	23.41	23.40	24.5	0		
3	QPSK	1	8	23.32	23.20	23.36				
3	QPSK	1	14	22.99	23.17	23.22				
3	QPSK	8	0	22.31	22.32	22.34	23.5	1		
3	QPSK	8	4	22.18	22.29	22.34				
3	QPSK	8	7	22.24	22.23	22.35				
3	QPSK	15	0	22.20	22.31	22.27	23.5	1		
3	16QAM	1	0	22.48	22.45	22.54				
3	16QAM	1	8	22.49	22.48	22.51				
3	16QAM	1	14	22.40	22.37	22.46	22.5	2		
3	16QAM	8	0	21.22	21.19	21.39				
3	16QAM	8	4	21.14	21.22	21.37				
3	16QAM	8	7	21.15	21.18	21.32	22.5	2		
3	16QAM	15	0	21.14	21.18	21.33				
3	64QAM	1	0	21.32	21.24	21.49				
3	64QAM	1	8	21.26	21.45	21.43	22.5	2		
3	64QAM	1	14	21.16	21.31	21.45				
3	64QAM	8	0	20.29	20.33	20.47				
3	64QAM	8	4	20.24	20.30	20.33	21.5	3		
3	64QAM	8	7	20.24	20.19	20.33				
3	64QAM	15	0	20.18	20.25	20.36				
Channel				131979	130322	130655	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1770.7	1745	1773.3				
1.4	QPSK	1	0	23.33	23.38	23.36	24.5	0		
1.4	QPSK	1	3	23.27	23.31	23.35				
1.4	QPSK	1	5	23.04	23.11	23.19				
1.4	QPSK	3	0	23.24	23.41	23.38	23.5	1		
1.4	QPSK	3	1	23.26	23.30	23.36				
1.4	QPSK	3	3	23.07	23.19	23.22				
1.4	QPSK	6	0	22.21	22.32	22.25	23.5	1		
1.4	16QAM	1	0	22.52	22.45	22.63				
1.4	16QAM	1	3	22.58	22.47	22.58				
1.4	16QAM	1	5	22.30	22.44	22.35	23.5	1		
1.4	16QAM	3	0	22.47	22.41	22.66				
1.4	16QAM	3	1	22.60	22.56	22.50				
1.4	16QAM	3	3	22.36	22.39	22.39	22.5	2		
1.4	16QAM	6	0	21.21	21.18	21.38				
1.4	64QAM	1	0	21.29	21.37	21.42				
1.4	64QAM	1	5	21.19	21.29	21.36	22.5	2		
1.4	64QAM	3	0	21.29	21.37	21.53				
1.4	64QAM	3	1	21.36	21.28	21.32				
1.4	64QAM	3	3	21.23	21.21	21.32	22.5	2		
1.4	64QAM	6	0	20.14	20.26	20.31				

LTE Band 71_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				133222	133297	133372					
Frequency (MHz)				673	680.5	688					
20	QPSK	1	0	23.38	23.41	23.24	24.5	0			
20	QPSK	1	49	23.21	23.24	23.20					
20	QPSK	1	99	23.16	23.22	23.22					
20	QPSK	50	0	22.29	22.39	22.29	23.5	1			
20	QPSK	50	24	22.29	22.29	22.25					
20	QPSK	50	50	22.33	22.23	22.24					
20	QPSK	100	0	22.31	22.34	22.26	23.5	1			
20	16QAM	1	0	22.53	22.52	22.53					
20	16QAM	1	49	22.48	22.44	22.48					
20	16QAM	1	99	22.49	22.54	22.56	22.5	2			
20	16QAM	50	0	21.36	21.21	21.21					
20	16QAM	50	24	21.27	21.26	21.27					
20	16QAM	50	50	21.34	21.29	21.25	22.5	2			
20	16QAM	100	0	21.35	21.22	21.25					
20	64QAM	1	0	21.42	21.44	21.46					
20	64QAM	1	49	21.34	21.43	21.35	22.5	2			
20	64QAM	1	99	21.40	21.49	21.51					
20	64QAM	50	0	20.34	20.23	20.22					
20	64QAM	50	24	20.28	20.31	20.29	21.5	3			
20	64QAM	50	50	20.35	20.31	20.27					
20	64QAM	100	0	20.36	20.26	20.24					
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	23.39	23.31	23.96	24.5	0			
15	QPSK	1	37	23.12	23.06	23.10					
15	QPSK	1	74	23.11	22.99	23.13					
15	QPSK	36	0	22.26	22.22	22.14	23.5	1			
15	QPSK	36	20	22.07	22.04	22.06					
15	QPSK	36	36	22.20	22.05	22.15					
15	QPSK	75	0	22.22	22.16	22.09	23.5	1			
15	16QAM	1	0	22.36	22.46	22.44					
15	16QAM	1	37	22.36	22.20	22.24					
15	16QAM	1	74	22.39	22.34	22.45	22.5	2			
15	16QAM	36	0	21.12	20.97	21.14					
15	16QAM	36	20	21.06	21.21	21.21					
15	16QAM	36	36	21.09	21.16	21.04	22.5	2			
15	16QAM	75	0	21.29	21.06	21.06					
15	64QAM	1	0	21.22	21.27	21.22					
15	64QAM	1	37	21.19	21.36	21.24	21.5	3			
15	64QAM	1	74	21.30	21.28	21.44					
15	64QAM	36	0	20.15	20.16	20.00					
15	64QAM	36	20	20.17	20.25	20.24	21.5	3			
15	64QAM	36	36	20.24	20.25	20.10					
15	64QAM	75	0	20.27	20.14	20.08					
Channel				133172	133297	133423	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				668	680.5	693					
10	QPSK	1	0	23.28	23.16	23.17	24.5	0			
10	QPSK	1	25	23.03	23.18	23.07					
10	QPSK	1	49	22.98	23.00	23.08					
10	QPSK	25	0	22.30	22.15	22.16	23.5	1			
10	QPSK	25	12	22.21	22.07	22.06					
10	QPSK	25	25	22.18	21.96	21.99					
10	QPSK	50	0	22.25	22.19	22.02	23.5	1			
10	16QAM	1	0	22.37	22.43	22.41					
10	16QAM	1	25	22.36	22.31	22.28					
10	16QAM	1	49	22.39	22.31	22.48	22.5	2			
10	16QAM	25	0	21.16	21.05	21.03					
10	16QAM	25	12	21.14	21.20	21.19					
10	16QAM	25	25	21.13	21.22	21.10	22.5	2			
10	16QAM	50	0	21.29	21.03	21.06					
10	64QAM	1	0	21.35	21.32	21.34					
10	64QAM	1	25	21.19	21.38	21.12	21.5	3			
10	64QAM	1	49	21.33	21.26	21.43					
10	64QAM	25	0	20.20	20.18	20.11					
10	64QAM	25	12	20.03	20.10	20.21	21.5	3			
10	64QAM	25	25	20.24	20.19	20.08					
10	64QAM	50	0	20.21	20.16	20.06					
Channel				133147	133297	133447	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5					
5	QPSK	1	0	23.27	23.35	23.10	24.5	0			
5	QPSK	1	12	23.04	23.09	23.00					
5	QPSK	1	24	23.03	23.09	23.02					
5	QPSK	12	0	22.22	22.30	22.09	23.5	1			
5	QPSK	12	7	22.21	22.20	22.09					
5	QPSK	12	13	22.12	22.11	22.10					
5	QPSK	25	0	22.26	22.12	22.07	23.5	1			
5	16QAM	1	0	22.34	22.33	22.36					
5	16QAM	1	12	22.30	22.36	22.43					
5	16QAM	1	24	22.29	22.36	22.42	22.5	2			
5	16QAM	12	0	21.29	20.98	21.18					
5	16QAM	12	7	21.07	21.18	21.18					
5	16QAM	12	13	21.26	21.16	21.01	22.5	2			
5	16QAM	25	0	21.15	21.05	21.09					
5	64QAM	1	0	21.24	21.20	21.33					
5	64QAM	1	12	21.20	21.30	21.17	22.5	2			
5	64QAM	1	24	21.31	21.29	21.38					
5	64QAM	12	0	20.10	20.17	20.13					
5	64QAM	12	7	20.15	20.19	20.10	21.5	3			
5	64QAM	12	13	20.20	20.06	20.22					
5	64QAM	25	0	20.19	20.16	20.08					

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.95	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.85	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.53			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.63	23.5	1	
20	16QAM	1	0	22.85	22.92	22.94			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.78	22.69	22.5	2	
20	16QAM	50	0	21.75	21.60	21.52			
20	16QAM	50	24	21.63	21.59	21.59			
20	16QAM	50	50	21.65	21.62	21.54	22.5	2	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.67	21.71	21.68	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.45			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.30			
15	QPSK	36	39	22.44	22.54	22.41			
15	QPSK	75	0	22.43	22.60	22.42	22.5	1	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.69	22.60			
15	16QAM	1	74	22.50	22.62	22.48	22.5	1	
15	16QAM	36	0	21.57	21.49	21.35			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.56	21.41	22.5	2	
15	16QAM	75	0	21.48	21.62	21.30			
15	64QAM	1	0	21.53	21.62	21.51			
15	64QAM	1	37	21.42	21.61	21.43	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.21			
15	64QAM	36	20	20.50	20.44	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422			
Frequency (MHz)				669.5	680.5	691.5			
10	QPSK	1	0	23.36	23.47	23.48	24.5	0	
10	QPSK	1	23	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.63	22.40	23.5	1	
10	QPSK	25	12	22.48	22.41	22.48			
10	QPSK	25	25	22.36	22.55	22.35			
10	QPSK	50	0	22.79	22.47	22.44	22.5	1	
10	16QAM	1	0	22.79	22.69	22.77			
10	16QAM	1	23	22.73	22.70	22.57			
10	16QAM	1	49	22.53	22.64	22.48	22.5	1	
10	16QAM	25	0	21.52	21.53	21.38			
10	16QAM	25	12	21.43	21.36	21.31			
10	16QAM	25	25	21.53	21.54	21.40	22.5	2	
10	16QAM	50	0	21.59	21.56	21.32			
10	64QAM	1	0	21.55	21.58	21.62			
10	64QAM	1	23	21.73	21.64	21.50	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.59	20.35			
10	64QAM	25	12	20.41	20.42	20.59	21.5	3	
10	64QAM	25	25	20.55	20.50	20.44			
10	64QAM	50	0	20.54	20.50	20.49			
Channel				133147	133297	133447			
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	0	23.53	23.58	23.34	24.5	0	
5	QPSK	1	12	23.43	23.45	23.48			
5	QPSK	1	24	23.43	23.43	23.39			
5	QPSK	12	0	22.63	22.51	22.38	23.5	1	
5	QPSK	12	7	22.44	22.47	22.34			
5	QPSK	12	13	22.41	22.63	22.44			
5	QPSK	12	1	22.47	22.62	22.39	22.5	1	
5	16QAM	1	0	22.76	22.78	22.60			
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47	22.5	1	
5	16QAM	12	0	21.50	21.46	21.47			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.40	21.56	21.43	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.46	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.63	20.47	20.35			
5	64QAM	12	7	20.58	20.50	20.39	21.5	3	
5	64QAM	12	13	20.44	20.58	20.38			
5	64QAM	25	0	20.57	20.08	20.47			

Band 41_Ant 2												
RF (MHz)	Modulation	RF SSB	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Turnup (dBm)	MPE (dB)
Channel												
20	QPSK	1	0	36750	41165	46520	41305	41450				
20	QPSK	1	48	36750	41165	46520	41305	41450				
20	QPSK	1	96	36750	41165	46520	41305	41450				
20	QPSK	1	144	36750	41165	46520	41305	41450				
20	QPSK	1	192	36750	41165	46520	41305	41450				
20	QPSK	1	240	36750	41165	46520	41305	41450				
20	QPSK	1	288	36750	41165	46520	41305	41450				
20	QPSK	1	336	36750	41165	46520	41305	41450				
20	QPSK	1	384	36750	41165	46520	41305	41450				
20	QPSK	1	432	36750	41165	46520	41305	41450				
20	QPSK	1	480	36750	41165	46520	41305	41450				
20	QPSK	1	528	36750	41165	46520	41305	41450				
20	QPSK	1	576	36750	41165	46520	41305	41450				
20	QPSK	1	624	36750	41165	46520	41305	41450				
20	QPSK	1	672	36750	41165	46520	41305	41450				
20	QPSK	1	720	36750	41165	46520	41305	41450				
20	QPSK	1	768	36750	41165	46520	41305	41450				
20	QPSK	1	816	36750	41165	46520	41305	41450				
20	QPSK	1	864	36750	41165	46520	41305	41450				
20	QPSK	1	912	36750	41165	46520	41305	41450				
20	QPSK	1	960	36750	41165	46520	41305	41450				
20	QPSK	1	1008	36750	41165	46520	41305	41450				
20	QPSK	1	1056	36750	41165	46520	41305	41450				
20	QPSK	1	1104	36750	41165	46520	41305	41450				
20	QPSK	1	1152	36750	41165	46520	41305	41450				
20	QPSK	1	1200	36750	41165	46520	41305	41450				
20	QPSK	1	1248	36750	41165	46520	41305	41450				
20	QPSK	1	1296	36750	41165	46520	41305	41450				
20	QPSK	1	1344	36750	41165	46520	41305	41450				
20	QPSK	1	1392	36750	41165	46520	41305	41450				
20	QPSK	1	1440	36750	41165	46520	41305	41450				
20	QPSK	1	1488	36750	41165	46520	41305	41450				
20	QPSK	1	1536	36750	41165	46520	41305	41450				
20	QPSK	1	1584	36750	41165	46520	41305	41450				
20	QPSK	1	1632	36750	41165	46520	41305	41450				
20	QPSK	1	1680	36750	41165	46520	41305	41450				
20	QPSK	1	1728	36750	41165	46520	41305	41450				
20	QPSK	1	1776	36750	41165	46520	41305	41450				
20	QPSK	1	1824	36750	41165	46520	41305	41450				
20	QPSK	1	1872	36750	41165	46520	41305	41450				
20	QPSK	1	1920	36750	41165	46520	41305	41450				
20	QPSK	1	1968	36750	41165	46520	41305	41450				
20	QPSK	1	2016	36750	41165	46520	41305	41450				
20	QPSK	1	2064	36750	41165	46520	41305	41450				
20	QPSK	1	2112	36750	41165	46520	41305	41450				
20	QPSK	1	2160	36750	41165	46520	41305	41450				
20	QPSK	1	2208	36750	41165	46520	41305	41450				
20	QPSK	1	2256	36750	41165	46520	41305	41450				
20	QPSK	1	2304	36750	41165	46520	41305	41450				
20	QPSK	1	2352	36750	41165	46520	41305	41450				
20	QPSK	1	2400	36750	41165	46520	41305	41450				
20	QPSK	1	2448	36750	41165	46520	41305	41450				
20	QPSK	1	2496	36750	41165	46520	41305	41450				
20	QPSK	1	2544	36750	41165	46520	41305	41450				
20	QPSK	1	2592	36750	41165	46520	41305	41450				
20	QPSK	1	2640	36750	41165	46520	41305	41450				
20	QPSK	1	2688	36750	41165	46520	41305	41450				
20	QPSK	1	2736	36750	41165	46520	41305	41450				
20	QPSK	1	2784	36750	41165	46520	41305	41450				
20	QPSK	1	2832	36750	41165	46520	41305	41450				
20	QPSK	1	2880	36750	41165	46520	41305	41450				
20	QPSK	1	2928	36750	41165	46520	41305	41450				
20	QPSK	1	2976	36750	41165	46520	41305	41450				
20	QPSK	1	3024	36750	41165	46520	41305	41450				
20	QPSK	1	3072	36750	41165	46520	41305	41450				
20	QPSK	1	3120	36750	41165	46520	41305	41450				
20	QPSK	1	3168	36750	41165	46520	41305	41450				
20	QPSK	1	3216	36750	41165	46520	41305	41450				
20	QPSK	1	3264	36750	41165	46520	41305	41450				
20	QPSK	1	3312	36750	41165	46520	41305	41450				
20	QPSK	1	3360	36750	41165	46520	41305	41450				
20	QPSK	1	3408	36750	41165	46520	41305	41450				
20	QPSK	1	3456	36750	41165	46520	41305	41450				
20	QPSK	1	3504	36750	41165	46520	41305	41450				
20	QPSK	1	3552	36750	41165	46520	41305	41450				
20	QPSK	1	3600	36750	41165	46520	41305	41450				
20	QPSK	1	3648	36750	41165	46520	41305	41450				
20	QPSK	1	3696	36750	41165	46520	41305	41450				
20	QPSK	1	3744	36750	41165	46520	41305	41450				
20	QPSK	1	3792	36750	41165	46520	41305	41450				
20	QPSK	1	3840	36750	41165	46520	41305	41450				
20	QPSK	1	3888	36750	41165	46520	41305	41450				
20	QPSK	1	3936	36750	41165	46520	41305	41450				
20	QPSK	1	3984	36750	41165	46520	41305	41450				
20	QPSK	1	4032	36750	41165	46520	41305	41450				
20	QPSK	1	4080	36750	41165	46520	41305	41450				
20	QPSK	1	4128	36750	41165	46520	41305	41450				
20	QPSK	1	4176	36750	41165	46520	41305	41450				
20	QPSK	1	4224	36750	41165	46520	41305	41450				
20	QPSK	1	4272	36750	41165	46520	41305	41450				
20	QPSK	1	4320	36750	41165	46520	41305	41450				
20	QPSK	1	4368	36750	41165	46520	41305	41450				
20	QPSK	1	4416	36750	41165	46520	41305	41450				
20	QPSK	1	4464	36750	41165	46520	41305	41450				
20	QPSK	1	4512	36750	41165	46520	41305	41450				
20	QPSK	1	4560	36750	41165	46520	41305	41450				
20	QPSK	1	4608	36750	41165	46520	41305	41450				
20	QPSK	1	4656	36750	41165	46520	41305	41450				
20	QPSK	1	4704	36750	41165	46520	41305	41450				
20	QPSK	1	4752	36750	41165	46520	41305	41450				
20	QPSK	1	4800	36750	41165	46520	41305	41450				
20	QPSK	1	4848	36750	41165	46520	41305	41450				
20	QPSK	1	4896	36750	41165	46520	41305	41450				
20	QPSK	1	4944	36750	41165	46520	41305	41450				
20	QPSK	1	4992	36750	41165	46520	41305	41450				
20	QPSK	1	5040	36750	41165	46520	41305	41450				
20	QPSK	1	5088	36750	41165	46520	41305	41450				
20	QPSK	1	5136	36750	41165	46520	41305	41450				
20	QPSK	1	5184	36750	41165	46520	41305	41450				
20	QPSK	1	5232	36750	41165	46520	41305	41450				
20	QPSK	1	5280	36750	41165	46520	41305	41450				
20	QPSK	1	5328	36750	41165	46520	41305	41450				
20	QPSK	1	5376	36750	41165	46520	41305	41450				
20	QPSK	1	5424	36750	41165	46520	41305	41450				
20	QPSK	1	5472	36750	41165	46520	41305	41450				
20	QPSK	1	5520	36750	41165	46520	41305	41450				
20	QPSK	1	5568	36750	41165	46520	41305	41450				
20	QPSK	1	5616	36750	41165	46520	41305	41450				
20	QPSK	1	5664	36750	41165	46520	41305	41450				
20	QPSK	1	5712	36750	41165	46520	41305	41450				
20	QPSK	1	5760	36750	41165	46520	41305	41450				
20	QPSK	1	5808	36750	41165	46520	41305	41450				
20	QPSK	1	5856	36750	41165</							

Band 41_Ant 4																
BA	Modulation	RB	SSB	RB Offset	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Ch. Freq.	Ch. Freq. (MHz)	Power Level (dBm)	Turn-on Time (sec)	MPR (dB)
Channel																
	Frequency (MHz)				30.70	46.165	46.165	410.03	410.03	410.03	410.03					
20	QPSK	1	0	0	29.55	46.165	46.165	23.31	23.31	23.31	23.31					
20	QPSK	1	48	0	23.57	23.30	23.40	23.30	23.30	23.30	23.30			24.5	0	
20	QPSK	1	96	0	23.44	23.28	23.31	23.34	23.34	23.34	23.34					
20	QPSK	1	144	0	23.44	23.28	23.31	23.34	23.34	23.34	23.34					
20	QPSK	160	24	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20			23.5	1	
20	QPSK	160	72	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	120	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	168	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	216	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	264	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	312	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	360	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	408	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	456	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	504	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	552	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	600	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	648	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	696	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	744	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	792	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	840	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	888	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	936	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	984	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1032	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1080	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1128	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1176	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1224	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1272	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1320	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1368	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1416	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1464	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1512	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1560	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1608	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1656	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1704	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1752	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1800	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1848	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1896	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1944	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	1992	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2040	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2088	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2136	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2184	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2232	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2280	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2328	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2376	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2424	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2472	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2520	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2568	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2616	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2664	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2712	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2760	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2808	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2856	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2904	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	2952	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3000	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3048	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3096	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3144	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3192	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3240	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3288	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3336	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3384	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3432	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3480	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3528	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3576	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3624	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3672	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3720	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3768	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3816	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3864	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3912	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	3960	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	4008	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	4056	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	4104	24	22.97	22.97	23.19	23.20	23.20	23.20	23.20					
20	QPSK	160	4152	24	22.97	22.97	23.19	23.20	23.20	23.20						

Part 96_Band 48_Ant 1										Part 96_Band 48_Ant 3										Part 96_Band 48_Ant 5										Part 96_Band 48_Ant 7									
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)	BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up (min)	APRS (dB)
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	22.51	22.36	22.45	22.42			20	QPSK	1	0	22.58	22.45	22.55	22.45			20	QPSK	1	0	18.55	18.48	18.75	18.65			20	QPSK	1	0	18.88	18.82	18.78	18.75		
20	QPSK	1	48	22.49	22.37	22.41	22.41	23	0	20	QPSK	1	48	22.49	22.39	22.50	22.32			20	QPSK	1	48	18.80	18.83	18.79	18.80	19.5	0	20	QPSK	1	48	18.81	18.87	18.87	18.72		
20	QPSK	50	0	21.58	21.52	21.52	21.49			20	QPSK	50	0	21.57	21.42	21.50	21.30			20	QPSK	50	0	18.89	18.84	18.84	18.81			20	QPSK	50	0	18.84	18.85	18.83	18.83		
20	QPSK	50	24	21.48	21.51	21.50	21.35	22	1	20	QPSK	50	24	21.43	21.27	21.41	21.37			20	QPSK	50	24	18.87	18.81	18.82	18.83	19.5	0	20	QPSK	50	24	18.78	18.87	18.85	18.83		
20	QPSK	100	0	21.48	21.52	21.48	21.45			20	QPSK	100	0	21.53	21.32	21.47	21.39			20	QPSK	100	0	18.89	18.80	18.82	18.80			20	QPSK	100	0	18.82	18.82	18.82	18.80		
20	QPSK	100	24	21.48	21.52	21.48	21.45	22	1	20	QPSK	100	24	21.53	21.31	21.44	21.38			20	QPSK	100	24	18.89	18.81	18.80	18.83	19.5	0	20	QPSK	100	24	18.82	18.82	18.83	18.78		
20	QPSK	1	0	21.49	21.58	21.57	21.57			20	QPSK	1	0	21.53	21.32	21.47	21.39			20	QPSK	1	0	18.87	18.80	18.82	18.83			20	QPSK	1	0	18.85	18.85	18.85	18.83		
20	QPSK	1	48	21.44	21.54	21.48	21.48	22	1	20	QPSK	1	48	21.48	21.38	21.44	21.35			20	QPSK	1	48	18.84	18.75	18.87	18.83	19.5	0	20	QPSK	1	48	18.71	18.82	18.82	18.80		
20	QPSK	1	96	21.48	21.48	21.51	21.48			20	QPSK	1	96	21.56	21.28	21.44	21.38			20	QPSK	1	96	18.79	18.77	18.74	18.80			20	QPSK	1	96	18.85	18.86	18.89	18.82		
20	QPSK	50	0	20.47	20.58	20.50	20.50			20	QPSK	50	0	20.55	20.38	20.53	20.43			20	QPSK	50	0	18.87	18.85	18.76	18.81			20	QPSK	50	0	18.72	18.83	18.84	18.80		
20	QPSK	50	24	20.37	20.53	20.37	20.40	21	2	20	QPSK	50	24	20.44	20.32	20.44	20.36			20	QPSK	50	24	18.80	18.85	18.71	18.72	19.5	0	20	QPSK	50	24	18.70	18.85	18.86	18.80		
20	QPSK	100	0	20.37	20.56	20.35	20.36			20	QPSK	100	0	20.44	20.29	20.32	20.30			20	QPSK	100	0	18.80	18.79	18.72	18.74			20	QPSK	100	0	18.62	18.46	18.68	18.68		
20	QPSK	100	24	20.37	20.54	20.35	20.36	21	2	20	QPSK	100	24	20.54	20.27	20.40	20.30			20	QPSK	100	24	18.80	18.70	18.71	18.70	19.5	0	20	QPSK	100	24	18.58	18.36	18.64	18.66		
20	QPSK	1	0	20.36	20.51	20.52	20.39	21	2	20	QPSK	1	0	20.46	20.25	20.50	20.31			20	QPSK	1	0	18.85	18.71	18.84	18.76			20	QPSK	1	0	18.52	18.32	18.48	18.58		
20	QPSK	1	48	20.34	20.54	20.47	20.40			20	QPSK	1	48	20.46	20.25	20.52	20.42			20	QPSK	1	48	18.80	18.70	18.70	18.70			20	QPSK	1	48	18.84	18.87	18.82	18.80		
20	QPSK	50	0	19.42	19.52	19.38	19.48			20	QPSK	50	0	19.50	19.44	19.38	19.45			20	QPSK	50	0	18.76	18.92	18.72	18.83			20	QPSK	50	0	18.72	18.46	18.58	18.60		
20	QPSK	50	24	19.37	19.51	19.42	19.33	20	3	20	QPSK	50	24	19.58	19.41	19.48	19.38			20	QPSK	50	24	18.84	18.87	18.77	18.81			20	QPSK	50	24	18.64	18.38	18.48	18.46		
20	QPSK	100	0	19.34	19.50	19.42	19.39			20	QPSK	100	0	19.54	19.40	19.45	19.37			20	QPSK	100	0	18.80	18.82	18.72	18.81	19.5	0	20	QPSK	100	0	18.60	18.30	18.47	18.47		
20	QPSK	100	24	19.34	19.50	19.42	19.39			20	QPSK	100	24	19.54	19.40	19.45	19.37			20	QPSK	100	24	18.80	18.77	18.72	18.72			20	QPSK	100	24	18.60	18.30	18.47	18.47		
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.47	22.26	22.38	22.38			15	QPSK	1	0	22.48	22.18	22.45	22.43			15	QPSK	1	0	18.73	18.68	18.76	18.73			15	QPSK	1	0	18.83	18.88	18.78	18.83		
15	QPSK	1	37	22.43	22.18	22.28	22.27	23	0	15	QPSK	1	37	22.48	22.17	22.48	22.28			15	QPSK	1	37	18.81	18.88	18.84	18.87	19.5	0	15	QPSK	1	37	18.71	18.88	18.82	18.87		
15	QPSK	1	74	22.32	22.28	22.23	22.23			15	QPSK	1	74	22.45	22.19	22.47	22.19			15	QPSK	1	74	18.87	18.83	18.89	18.79			15	QPSK	1	74	18.73	18.84	18.85	18.89		
15	QPSK	50	0	21.44	21.41	21.41	21.38			15	QPSK	50	0	21.48	21.32	21.40	21.35			15	QPSK	50	0	18.86	18.84	18.76	18.83			15	QPSK	50	0	18.73	18.88	18.85	18.88		
15	QPSK	50	24	21.34	21.34	21.41	21.19	22	1	15	QPSK	50	24	21.38	20.99	21.38	21.28			15	QPSK	50	24	18.82	18.82	18.72	18.74			15	QPSK	50	24	18.80	18.82	18.85	18.86		
15	QPSK	36	36	21.33	21.31	21.27	21.27			15	QPSK	36	36	21.46	21.13	21.27	21.24			15	QPSK	36	36	18.83	18.85	18.71	18.80	19.5	0	15	QPSK	36	36	18.74	18.40	18.50	18.56		
15	QPSK	1	0	21.43	21.39	21.39	21.44			15	QPSK	1	0	21.47	21.16	21.38	21.14			15	QPSK	1	0	18.74	18.86	18.77	18.76			15	QPSK	1	0	18.80	18.40	18.50	18.56		
15	QPSK	1	37	21.34	21.38	21.28	21.23	22	1	15	QPSK	1	37	21.42	21.19	21.39	21.18			15	QPSK	1	37	18.82	18.85	18.55	18.79	19.5	0	15	QPSK	1	37	18.87	18.53	18.49	18.68		
15	QPSK	1	74	21.32	21.32	21.32	21.32			15	QPSK	1	74	21.47	21.15	21.29	21.18			15	QPSK	1	74	18.83	18.80	18.76	18.76			15	QPSK	1	74	18.83	18.40	18.51	18.58		
15	QPSK	50	0	20.42	20.43	20.42	20.45			15	QPSK	50	0	20.54	20.17	20.50	20.42			15	QPSK	50	0	18.81	18.74	18.85	18.80			15	QPSK	50	0	18.60	18.38	18.60	18.62		
15	QPSK	50	24	20.32	20.44	20.48	20.32	21	2	15	QPSK	50	24	20.50	20.10	20.37	20.30			15	QPSK	50	24	18.78	18.72	18.59	18.81	19.5	0	15	QPSK	50	24	18.58	18.38	18.65	18.65		
15	QPSK	100	0	20.32	20.38	20.47	20.29			15	QPSK	100	0	20.56	20.07	20.44	20.27			15	QPSK	100	0	18.76	18.86	18.88	18.77			15	QPSK	100	0	18.40	18.20	18.44	18.60		
15	QPSK	1	0	19.53	19.57	19.52	19.59			15	QPSK	1	0	19.55	19.01	19.35	19.26			15	QPSK	1	0	19.57	19.06	19.38	19.29			15	QPSK	1	0	19.57	19.06	19.39	19.31		
15	QPSK	1	37	19.49	19.53	19.48	19.48	22	1	15	QPSK	1	37	19.55	19.18	19.48	19.31			15	QPSK	1	37	19.57	19.16	19.48	19.32			15	QPSK	1	37	19.57	19.16	19.48	19.32		
15	QPSK	1	74	19.46	19.56	19.52	19.52			15	QPSK	1	74	19.55	19.15	19.48	19.26			15	QPSK	1	74	19.57	19.06	19.32	19.46			15	QPSK	1	74	19.57	19.06	19.32	19.46		
15	QPSK	50	0	19.27	19.47	19.46	19.38	22	1	15	QPSK	50	0	19.51	19.18	19.48	19.31			15	QPSK	50	0	19.57	19.06	19.38	19.29			15	QPSK	50	0	19.57	19.06	19.38	19.29		
15	QPSK	50	24	19.28	19.41	19.24	19.23	20	3	15	QPSK	50	24	19.48	19.17	19.46	19.26			15	QPSK	50	24	19.50	19.12	19.43	19.28			15	QPSK	50	24	19.50	19.12	19.43	19.28		
15	QPSK	100	0	19.14	19.36	19.33	19.32			15	QPSK	100	0	19.48	19.05	19.36	19.20			15	QPSK	100	0	19.50	19.10	19.36	19.28			15	QPSK	100	0	19.50	19.10	19.36	19.28		
15	QPSK	100	24	19.14	19.36	19.33	19.32			15	QPSK	100																											

Reduced Power Mode for ECI 19

Band 2_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
18700 18800 19100											
20	QPSK	1	0	20.43	20.50	20.45	21.5	0			
20	QPSK	1	49	20.32	20.45	20.38					
20	QPSK	1	99	20.37	20.46	20.43					
20	QPSK	50	0	20.42	20.49	20.43					
20	QPSK	50	24	20.30	20.41	20.39	21.5	0			
20	QPSK	50	50	20.32	20.44	20.39					
20	QPSK	100	0	20.41	20.46	20.42					
20	16QAM	1	0	20.28	20.41	20.32					
20	16QAM	1	49	20.24	20.41	20.28	21.5	0			
20	16QAM	1	99	20.22	20.32	20.29					
20	16QAM	50	0	20.33	20.41	20.28					
20	16QAM	50	24	20.18	20.26	20.35					
20	16QAM	50	50	20.19	20.34	20.27	21.5	0			
20	16QAM	100	0	20.37	20.39	20.32					
20	64QAM	1	0	20.40	20.36	20.42					
20	64QAM	1	49	20.17	20.34	20.34					
20	64QAM	1	99	20.35	20.44	20.33	21.5	0			
20	64QAM	50	0	20.40	20.37	20.40					
20	64QAM	50	24	20.39	20.41	20.36					
20	64QAM	50	50	20.35	20.37	20.33					
20	64QAM	100	0	20.37	20.38	20.34	21.5	0			
Channel											
Frequency (MHz)											
18675 18800 19125											
15	QPSK	1	0	20.36	20.38	20.33	21.5	0			
15	QPSK	1	37	20.25	20.39	20.32					
15	QPSK	1	74	20.23	20.44	20.36					
15	QPSK	36	0	20.27	20.43	20.35					
15	QPSK	36	20	20.15	20.27	20.32	21.5	0			
15	QPSK	36	39	20.17	20.33	20.28					
15	QPSK	75	0	20.38	20.44	20.37					
15	16QAM	1	0	20.25	20.30	20.24					
15	16QAM	1	37	20.12	20.32	20.16	21.5	0			
15	16QAM	1	74	20.14	20.18	20.22					
15	16QAM	36	0	20.32	20.37	20.29					
15	16QAM	36	20	20.12	20.16	20.28					
15	16QAM	36	39	20.12	20.22	20.20	21.5	0			
15	16QAM	75	0	20.26	20.31	20.17					
15	64QAM	1	0	20.25	20.25	20.27					
15	64QAM	1	37	20.14	20.30	20.29					
15	64QAM	1	74	20.21	20.36	20.29	21.5	0			
15	64QAM	36	0	20.35	20.36	20.28					
15	64QAM	36	20	20.28	20.32	20.21					
15	64QAM	36	39	20.31	20.22	20.24					
15	64QAM	75	0	20.27	20.31	20.24	21.5	0			
Channel											
Frequency (MHz)											
18650 18800 19150											
10	QPSK	1	0	20.35	20.42	20.32	21.5	0			
10	QPSK	1	25	20.27	20.44	20.27					
10	QPSK	1	49	20.29	20.39	20.36					
10	QPSK	25	0	20.32	20.41	20.28					
10	QPSK	25	12	20.23	20.30	20.26	21.5	0			
10	QPSK	25	25	20.25	20.36	20.24					
10	QPSK	50	0	20.32	20.32	20.34					
10	16QAM	1	0	20.14	20.32	20.19					
10	16QAM	1	25	20.19	20.37	20.17	21.5	0			
10	16QAM	1	49	20.15	20.18	20.19					
10	16QAM	25	0	20.24	20.35	20.23					
10	16QAM	25	12	20.13	20.23	20.21					
10	16QAM	25	25	20.08	20.22	20.21	21.5	0			
10	16QAM	50	0	20.35	20.25	20.26					
10	64QAM	1	0	20.30	20.30	20.27					
10	64QAM	1	25	20.11	20.34	20.23					
10	64QAM	1	49	20.29	20.38	20.30	21.5	0			
10	64QAM	25	0	20.27	20.39	20.33					
10	64QAM	25	12	20.26	20.34	20.21					
10	64QAM	25	25	20.25	20.20	20.23					
10	64QAM	50	0	20.28	20.26	20.20	21.5	0			
Channel											
Frequency (MHz)											
18625 18800 19175											
5	QPSK	1	0	20.36	20.46	20.44	21.5	0			
5	QPSK	1	12	20.29	20.31	20.37					
5	QPSK	1	24	20.33	20.37	20.35					
5	QPSK	12	0	20.33	20.43	20.36					
5	QPSK	12	7	20.16	20.39	20.38	21.5	0			
5	QPSK	12	13	20.22	20.37	20.25					
5	QPSK	25	0	20.38	20.34	20.41					
5	16QAM	0	0	20.27	20.29	20.31					
5	16QAM	1	12	20.20	20.26	20.25	21.5	0			
5	16QAM	1	24	20.07	20.28	20.28					
5	16QAM	12	0	20.31	20.33	20.16					
5	16QAM	12	7	20.13	20.25	20.31					
5	16QAM	12	13	20.09	20.28	20.23	21.5	0			
5	16QAM	25	0	20.25	20.30	20.29					
5	64QAM	1	0	20.37	20.32	20.33					
5	64QAM	1	12	20.11	20.19	20.24					
5	64QAM	1	24	20.33	20.38	20.20	21.5	0			
5	64QAM	12	0	20.33	20.37	20.25					
5	64QAM	12	7	20.40	20.26	20.23					
5	64QAM	12	13	20.30	20.29	20.30					
5	64QAM	25	0	20.32	20.27	20.21	21.5	0			
Channel											
Frequency (MHz)											
18515 18600 19005											
3	QPSK	1	0	20.41	20.49	20.32	21.5	0			
3	QPSK	1	8	20.25	20.30	20.35					
3	QPSK	1	14	20.32	20.31	20.31					
3	QPSK	8	0	20.28	20.36	20.32					
3	QPSK	8	4	20.19	20.28	20.29	21.5	0			
3	QPSK	8	7	20.19	20.36	20.30					
3	QPSK	15	0	20.37	20.41	20.37					
3	16QAM	1	0	20.25	20.28	20.31					
3	16QAM	1	8	20.19	20.40	20.27	21.5	0			
3	16QAM	1	14	20.13	20.20	20.26					
3	16QAM	8	0	20.21	20.29	20.21					
3	16QAM	8	4	20.09	20.20	20.33					
3	16QAM	8	7	20.06	20.33	20.21	21.5	0			
3	16QAM	15	0	20.22	20.32	20.27					
3	64QAM	1	0	20.28	20.24	20.31					
3	64QAM	1	8	20.08	20.30	20.31					
3	64QAM	1	14	20.25	20.30	20.21	21.5	0			
3	64QAM	8	0	20.31	20.31	20.39					
3	64QAM	8	4	20.31	20.30	20.28					
3	64QAM	8	7	20.36	20.25	20.18					
3	64QAM	15	0	20.28	20.33	20.33	21.5	0			
Channel											
Frequency (MHz)											
18607 18800 19193											
1.4	QPSK	1	0	20.31	20.49	20.30	21.5	0			
1.4	QPSK	1	3	20.28	20.30	20.24					
1.4	QPSK	1	5	20.34	20.36	20.37					
1.4	QPSK	3	0	20.36	20.47	20.30					
1.4	QPSK	3	1	20.21	20.36	20.37	21.5	0			
1.4	QPSK	3	3	20.30	20.29	20.28					
1.4	QPSK	6	0	20.34	20.33	20.39					
1.4	16QAM	1	0	20.22	20.39	20.28					
1.4	16QAM	1	3	20.20	20.30	20.17	21.5	0			
1.4	16QAM	1	5	20.11	20.31	20.18					
1.4	16QAM	3	0	20.24	20.31	20.20					
1.4	16QAM	3	1	20.17	20.17	20.31					
1.4	16QAM	3	3	20.18	20.26	20.28	21.5	0			
1.4	16QAM	6	0	20.35	20.36	20.21					
1.4	64QAM	1	0	20.35	20.24	20.31					
1.4	64QAM	1	3	20.02	20.33	20.27					
1.4	64QAM	1	5	20.33	20.38	20.22	21.5	0			
1.4	64QAM	3	0	20.28	20.21	20.31					
1.4	64QAM	3	1	20.10	20.27	20.34					
1.4	64QAM	3	3	20.20	20.34	20.30					
1.4	64QAM	6	0	20.35	20.31	20.30	21.5	0			

Band 4_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20050 20175 20300											
1720 1732.5 1745											
20	QPSK	1	0	21.82	21.88	21.80	23	0			
20	QPSK	1	49	21.81	21.85	21.72					
20	QPSK	1	99	21.78	21.82	21.65					
20	QPSK	50	0	21.75	21.83	21.75					
20	QPSK	50	24	21.75	21.76	21.78	23	0			
20	QPSK	50	50	21.80	21.75	21.77					
20	QPSK	100	0	21.67	21.80	21.71					
20	16QAM	1	0	21.67	21.83	21.73					
20	16QAM	1	49	21.69	21.81	21.76	23	0			
20	16QAM	1	99	21.77	21.73	21.70					
20	16QAM	50	0	21.23	21.20	21.20					
20	16QAM	50	24	21.26	21.19	21.28					
20	16QAM	50	50	21.22	21.20	21.26	22.5	0.5			
20	16QAM	100	0	21.22	21.18	21.24					
20	64QAM	1	0	21.34	21.45	21.41					
20	64QAM	1	49	21.42	21.43	21.46					
20	64QAM	1	99	21.27	21.25	21.42	22.5	0.5			
20	64QAM	50	0	20.24	20.22	20.21					
20	64QAM	50	24	20.27	20.21	20.27					
20	64QAM	50	50	20.21	20.19	20.27					
20	64QAM	100	0	20.23	20.19	20.25	21.5	1.5			
Channel											
20025 20175 20325											
Frequency (MHz)											
1717.5 1732.5 1747.5											
15	QPSK	1	0	21.73	21.85	21.72	23	0			
15	QPSK	1	37	21.76	21.80	21.81					
15	QPSK	1	74	21.71	21.75	21.62					
15	QPSK	36	0	21.73	21.80	21.71					
15	QPSK	36	20	21.74	21.72	21.66	23	0			
15	QPSK	36	39	21.71	21.60	21.63					
15	QPSK	75	0	21.64	21.76	21.62					
15	16QAM	1	0	21.62	21.69	21.59					
15	16QAM	1	37	21.63	21.71	21.74	23	0			
15	16QAM	1	74	21.70	21.59	21.58					
15	16QAM	36	0	21.12	21.05	21.15					
15	16QAM	36	20	21.16	21.05	21.19					
15	16QAM	36	39	21.09	21.13	21.13	22.5	0.5			
15	16QAM	75	0	21.13	21.10	21.20					
15	64QAM	1	0	21.27	21.39	21.28					
15	64QAM	1	37	21.30	21.38	21.31					
15	64QAM	1	74	21.13	21.21	21.33	22.5	0.5			
15	64QAM	36	0	20.17	20.18	20.07					
15	64QAM	36	20	20.26	20.20	20.26					
15	64QAM	36	39	20.11	20.05	20.21					
15	64QAM	75	0	20.20	20.08	20.20	21.5	1.5			
Channel											
20000 20175 20350											
Frequency (MHz)											
1715 1732.5 1750											
10	QPSK	1	0	21.71	21.78	21.78	23	0			
10	QPSK	1	25	21.69	21.82	21.70					
10	QPSK	1	49	21.65	21.81	21.61					
10	QPSK	25	0	21.72	21.76	21.86					
10	QPSK	25	12	21.73	21.68	21.59	23	0			
10	QPSK	25	25	21.79	21.67	21.71					
10	QPSK	50	0	21.62	21.65	21.56					
10	16QAM	1	0	21.67	21.80	21.59					
10	16QAM	1	25	21.67	21.81	21.71	23	0			
10	16QAM	1	49	21.71	21.63	21.65					
10	16QAM	25	0	21.18	21.19	21.07					
10	16QAM	25	12	21.15	21.09	21.17					
10	16QAM	25	25	21.07	21.13	21.25	22.5	0.5			
10	16QAM	50	0	21.17	21.14	21.20					
10	64QAM	1	0	21.25	21.33	21.30					
10	64QAM	1	25	21.38	21.36	21.40					
10	64QAM	1	49	21.17	21.13	21.29	22.5	0.5			
10	64QAM	25	0	20.13	20.08	20.06					
10	64QAM	25	12	20.23	20.07	20.25					
10	64QAM	25	25	20.12	20.07	20.21					
10	64QAM	50	0	20.15	20.06	20.19	21.5	1.5			
Channel											
19975 20175 20375											
Frequency (MHz)											
1722.5 1732.5 1752.5											
5	QPSK	1	0	21.67	21.81	21.67	23	0			
5	QPSK	1	12	21.70	21.73	21.68					
5	QPSK	1	24	21.67	21.71	21.57					
5	QPSK	12	0	21.73	21.78	21.75					
5	QPSK	12	7	21.72	21.75	21.58	23	0			
5	QPSK	12	13	21.69	21.71	21.73					
5	QPSK	25	0	21.64	21.74	21.67					
5	16QAM	0	0	21.60	21.71	21.66					
5	16QAM	1	12	21.54	21.78	21.73	23	0			
5	16QAM	1	24	21.69	21.72	21.64					
5	16QAM	12	0	21.17	21.06	21.16					
5	16QAM	12	7	21.17	21.07	21.21					
5	16QAM	12	13	21.16	21.07	21.25	22.5	0.5			
5	16QAM	25	0	21.13	21.05	21.09					
5	64QAM	1	0	21.20	21.39	21.40					
5	64QAM	1	12	21.31	21.36	21.45					
5	64QAM	1	24	21.25	21.11	21.33	22.5	0.5			
5	64QAM	12	0	20.14	20.20	20.14					
5	64QAM	12	7	20.16	20.11	20.14					
5	64QAM	12	13	20.13	20.16	20.25					
5	64QAM	25	0	20.11	20.11	20.23	21.5	1.5			
Channel											
19950 20175 20385											
Frequency (MHz)											
1715.5 1732.5 1753.5											
3	QPSK	1	0	21.70	21.71	21.68	23	0			
3	QPSK	1	8	21.74	21.83	21.67					
3	QPSK	1	14	21.77	21.70	21.52					
3	QPSK	8	0	21.68	21.76	21.72					
3	QPSK	8	4	21.63	21.71	21.60	23	0			
3	QPSK	8	7	21.78	21.65	21.63					
3	QPSK	15	0	21.56	21.78	21.61					
3	16QAM	1	0	21.55	21.73	21.68					
3	16QAM	1	8	21.63	21.66	21.75	23	0			
3	16QAM	1	14	21.70	21.65	21.82					
3	16QAM	8	0	21.21	21.08	21.10					
3	16QAM	8	4	21.22	21.10	21.15					
3	16QAM	8	7	21.07	21.09	21.15	22.5	0.5			
3	16QAM	15	0	21.08	21.06	21.12					
3	64QAM	1	0	21.30	21.43	21.29					
3	64QAM	1	8	21.36	21.29	21.40					
3	64QAM	1	14	21.13	21.12	21.38	22.5	0.5			
3	64QAM	8	0	20.18	20.15	20.13					
3	64QAM	8	4	20.12	20.13	20.13					
3	64QAM	8	7	20.07	20.04	20.19					
3	64QAM	15	0	20.08	20.08	20.10	21.5	1.5			
Channel											
19957 20175 20393											
Frequency (MHz)											
1710.7 1732.5 1754.3											
1.4	QPSK	1	0	21.75	21.71	21.68	23	0			
1.4	QPSK	1	3	21.66	21.74	21.67					
1.4	QPSK	1	5	21.71	21.73	21.54					
1.4	QPSK	3	0	21.74	21.72	21.63					
1.4	QPSK	3	1	21.74	21.70	21.65	23	0			
1.4	QPSK	3	3	21.69	21.70	21.66					
1.4	QPSK	6	0	21.68	21.76	21.69					
1.4	16QAM	1	0	21.63	21.81	21.69					
1.4	16QAM	1	3	21.62	21.80	21.63	23	0			
1.4	16QAM	1	5	21.63	21.67	21.61					
1.4	16QAM	3	0	21.58	21.68	21.56					
1.4	16QAM	3	1	21.56	21.70	21.69					
1.4	16QAM	3	1	21.60	21.68	21.69	22.5	0.5			
1.4	64QAM	1	0	21.21	21.14	21.14					
1.4	64QAM	1	3	21.23	21.38	21.36					
1.4	64QAM	1	5	21.26	21.13	21.36					
1.4	64QAM	3	0	21.22	21.43	21.38	22.5	0.5			
1.4	64QAM	3	1	21.40	21.28	21.39					
1.4	64QAM	3	3	21.21	21.17	21.35					
1.4	64QAM	6	0	20.16	20.11	20.22					

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.78	23.87	23.88	25	0	
10	QPSK	1	25	23.69	23.74	23.53			
10	QPSK	1	49	23.70	23.82	23.74			
10	QPSK	25	0	22.64	22.77	22.74	24	1	
10	QPSK	25	12	22.63	22.67	22.72			
10	QPSK	25	25	22.63	22.69	22.70			
10	QPSK	50	0	22.67	22.75	22.73	24	1	
10	16QAM	1	0	22.74	22.93	22.97			
10	16QAM	1	25	22.74	22.74	23.02			
10	16QAM	1	49	22.71	23.00	22.97	23	2	
10	16QAM	25	0	21.84	21.63	21.74			
10	16QAM	25	12	21.80	21.71	21.69			
10	16QAM	25	25	21.80	21.78	21.71	22	3	
10	16QAM	50	0	21.82	21.73	21.71			
10	64QAM	1	0	21.93	22.06	21.96			
10	64QAM	1	25	21.85	21.77	21.85	23	2	
10	64QAM	1	49	21.84	21.98	21.81			
10	64QAM	25	0	20.60	20.73	20.66			
10	64QAM	25	12	20.52	20.62	20.69	22	3	
10	64QAM	25	25	20.66	20.68	20.81			
10	64QAM	50	0	20.63	20.68	20.74			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.85	23.83	25	0	
5	QPSK	1	12	23.54	23.73	23.39			
5	QPSK	1	24	23.65	23.77	23.62			
5	QPSK	12	0	22.80	22.72	22.61	24	1	
5	QPSK	12	7	22.51	22.56	22.71			
5	QPSK	12	13	22.55	22.62	22.62			
5	QPSK	25	0	22.36	22.62	22.65	24	1	
5	16QAM	1	0	22.67	22.80	22.91			
5	16QAM	1	12	22.61	22.62	22.93			
5	16QAM	1	24	22.67	22.50	22.86	23	2	
5	16QAM	12	0	21.85	21.54	21.72			
5	16QAM	12	7	21.36	21.64	21.66			
5	16QAM	12	13	21.57	21.73	21.70	22	2	
5	16QAM	25	0	21.61	21.66	21.58			
5	64QAM	1	0	21.89	22.01	21.87			
5	64QAM	1	12	21.75	21.69	21.94	23	2	
5	64QAM	1	24	21.72	21.93	21.78			
5	64QAM	12	0	20.48	20.67	20.60			
5	64QAM	12	7	20.46	20.50	20.58	22	3	
5	64QAM	12	13	20.57	20.55	20.72			
5	64QAM	25	0	20.68	20.62	20.74			
Channel				20415	20525	20635			
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	23.74	23.81	23.78	25	0	
3	QPSK	1	8	23.52	23.66	23.39			
3	QPSK	1	14	23.81	23.69	23.70			
3	QPSK	8	0	22.57	22.75	22.71	24	1	
3	QPSK	8	4	22.62	22.59	22.69			
3	QPSK	8	7	22.80	22.61	22.69			
3	QPSK	15	0	22.59	22.73	22.64	24	1	
3	16QAM	1	0	22.62	22.69	22.88			
3	16QAM	1	8	22.72	22.68	22.97			
3	16QAM	1	14	22.68	22.89	22.91	23	2	
3	16QAM	8	0	21.65	21.57	21.63			
3	16QAM	8	4	21.48	21.63	21.63			
3	16QAM	8	7	21.59	21.64	21.64	23	2	
3	16QAM	15	0	21.53	21.61	21.56			
3	64QAM	1	0	21.80	21.55	21.95			
3	64QAM	1	8	21.76	21.69	21.88	22	3	
3	64QAM	1	14	21.70	21.85	21.70			
3	64QAM	8	0	20.49	20.66	20.51			
3	64QAM	8	4	20.42	20.48	20.57	22	3	
3	64QAM	8	7	20.63	20.65	20.73			
3	64QAM	15	0	20.68	20.59	20.65			
Channel				20607	20525	20545			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.69	23.72	23.84	25	0	
1.4	QPSK	1	3	23.51	23.71	23.45			
1.4	QPSK	1	5	23.57	23.77	23.65			
1.4	QPSK	3	0	23.71	23.80	23.85	24	1	
1.4	QPSK	3	1	23.63	23.68	23.45			
1.4	QPSK	3	3	23.69	23.70	23.73			
1.4	QPSK	6	0	22.38	22.61	22.65	24	1	
1.4	16QAM	1	0	22.73	22.91	22.88			
1.4	16QAM	1	3	22.64	22.59	23.00			
1.4	16QAM	1	5	22.66	22.86	22.84	23	2	
1.4	16QAM	3	0	22.73	22.86	22.87			
1.4	16QAM	3	1	22.64	22.71	23.01			
1.4	16QAM	3	3	22.59	22.88	22.96	22	3	
1.4	16QAM	6	0	21.57	21.64	21.87			
1.4	64QAM	1	0	21.92	21.93	21.87			
1.4	64QAM	1	3	21.82	21.73	21.92	23	2	
1.4	64QAM	1	5	21.80	21.92	21.80			
1.4	64QAM	3	0	21.49	21.75	21.69			
1.4	64QAM	3	1	21.53	21.69	21.70	22	3	
1.4	64QAM	3	3	21.98	21.99	21.97			
1.4	64QAM	6	0	20.60	20.59	20.77			

Band 5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.63	23.66	23.64	25	0	
10	QPSK	1	25	23.49	23.44	23.50			
10	QPSK	1	49	23.47	23.81	23.57			
10	QPSK	25	0	22.59	22.63	22.55	24	1	
10	QPSK	25	12	22.54	22.49	22.50			
10	QPSK	25	25	22.55	22.56	22.47			
10	QPSK	50	0	22.56	22.60	22.52	24	1	
10	16QAM	1	0	22.85	23.05	22.89			
10	16QAM	1	25	22.71	22.81	23.01			
10	16QAM	1	49	22.88	22.87	22.93	23	2	
10	16QAM	25	0	21.57	21.47	21.60			
10	16QAM	25	12	21.62	21.42	21.64			
10	16QAM	25	25	21.61	21.48	21.62	23	2	
10	16QAM	50	0	21.61	21.46	21.61			
10	64QAM	1	0	21.75	21.87	21.80			
10	64QAM	1	25	21.76	21.60	21.66	23	2	
10	64QAM	1	49	21.62	21.88	21.94			
10	64QAM	25	0	20.50	20.53	20.61			
10	64QAM	25	12	20.49	20.46	20.48	22	3	
10	64QAM	25	25	20.52	20.58	20.52			
10	64QAM	50	0	20.51	20.51	20.61			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.51	23.64	23.58	25	0	
5	QPSK	1	12	23.41	23.42	23.42			
5	QPSK	1	24	23.32	23.59	23.52			
5	QPSK	12	0	22.48	22.58	22.40	24	1	
5	QPSK	12	7	22.52	22.46	22.45			
5	QPSK	12	13	22.40	22.54	22.33	24	1	
5	QPSK	25	0	22.54	22.57	22.48			
5	16QAM	1	0	22.84	23.03	22.88			
5	16QAM	1	12	22.98	22.71	22.90	24	1	
5	16QAM	1	24	22.80	22.84	22.92			
5	16QAM	12	0	21.49	21.48	21.53			
5	16QAM	12	7	21.58	21.30	21.53	23	2	
5	16QAM	12	13	21.53	21.41	21.61			
5	16QAM	25	0	21.39	21.39	21.48			
5	16QAM	1	0	21.63	21.56	21.65	23	2	
5	64QAM	1	12	21.61	21.58	21.74			
5	64QAM	1	24	21.48	21.59	21.85			
5	64QAM	12	0	20.40	20.40	20.48	22	3	
5	64QAM	12	7	20.34	20.36	20.36			
5	64QAM	12	13	20.40	20.56	20.41			
5	64QAM	25	0	20.42	20.50	20.55			
Channel				20415	20525	20630			
Frequency (MHz)				824.5	836.5	848.5			
3	QPSK	1	0	23.54	23.64	23.61	25	0	
3	QPSK	1	8	23.35	23.41	23.40			
3	QPSK	1	14	23.44	23.53	23.48			
3	QPSK	8	0	22.63	22.61	22.42	24	1	
3	QPSK	8	4	22.43	22.44	22.40			
3	QPSK	8	7	22.41	22.52	22.40			
3	QPSK	15	0	22.54	22.56	22.44	23	2	
3	16QAM	1	0	22.80	22.93	22.73			
3	16QAM	1	8	22.70	22.78	22.89			
3	16QAM	1	14	22.77	22.83	22.83	23	2	
3	16QAM	8	0	21.53	21.37	21.46			
3	16QAM	8	4	21.57	21.39	21.53			
3	16QAM	8	7	21.53	21.37	21.56	23	2	
3	64QAM	1	0	21.59	21.51	21.67			
3	64QAM	1	0	21.63	21.78	21.79			
3	64QAM	1	8	21.65	21.53	21.55	23	2	
3	64QAM	1	14	21.55	21.61	21.88			
3	64QAM	8	0	20.49	20.41	20.60			
3	64QAM	8	4	20.36	20.44	20.36	22	3	
3	64QAM	8	7	20.38	20.42	20.40			
3	64QAM	15	0	20.43	20.42	20.48			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.57	23.56	23.57	25	0	
1.4	QPSK	1	3	23.46	23.42	23.40			
1.4	QPSK	1	5	23.37	23.51	23.43			
1.4	QPSK	3	0	23.54	23.60	23.54	24	1	
1.4	QPSK	3	1	23.45	23.29	23.49			
1.4	QPSK	3	0	22.43	22.47	22.48			
1.4	QPSK	15	0	22.43	22.47	22.48	24	1	
1.4	16QAM	1	0	22.78	22.99	22.67			
1.4	16QAM	1	3	22.60	22.69	22.89			
1.4	16QAM	1	5	22.87	22.79	22.87	23	2	
1.4	16QAM	3	0	22.80	22.02	22.79			
1.4	16QAM	3	1	22.86	22.79	22.80			
1.4	16QAM	3	0	22.74	22.72	22.88	23	2	
1.4	16QAM	6	0	21.50	21.37	21.55			
1.4	64QAM	1	0	21.71	21.77	21.67			
1.4	64QAM	1	3	21.62	21.53	21.63	23	2	
1.4	64QAM	1	5	21.57	21.67	21.83			
1.4	64QAM	3	0	21.61	21.85	21.88			
1.4	64QAM	3	1	21.63	21.74	21.87	22	2	
1.4	64QAM	3	3	21.60	21.54	21.91			
1.4	64QAM	6	0	20.45	20.42	20.50			

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	17.50	17.59	17.52	19	0		
20	QPSK	1	49	17.42	17.51	17.40				
20	QPSK	1	99	17.43	17.49	17.42				
20	QPSK	50	24	17.36	17.55	17.41				
20	QPSK	50	50	17.39	17.54	17.37	19	0		
20	QPSK	100	0	17.39	17.49	17.40				
20	16QAM	1	0	17.36	17.52	17.48				
20	16QAM	1	49	17.39	17.43	17.32				
20	16QAM	1	99	17.29	17.45	17.34	19	0		
20	16QAM	50	0	17.32	17.53	17.36				
20	16QAM	50	24	17.31	17.41	17.35				
20	16QAM	50	50	17.26	17.49	17.28				
20	16QAM	100	0	17.32	17.43	17.38	19	0		
20	64QAM	1	0	17.45	17.47	17.42				
20	64QAM	1	49	17.37	17.36	17.33				
20	64QAM	1	99	17.37	17.38	17.41				
20	64QAM	50	0	17.41	17.45	17.37	19	0		
20	64QAM	50	24	17.24	17.53	17.39				
20	64QAM	50	50	17.24	17.40	17.31				
20	64QAM	100	0	17.29	17.45	17.28				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	17.35	17.48	17.38	19	0		
15	QPSK	1	37	17.30	17.47	17.39				
15	QPSK	1	74	17.39	17.43	17.35				
15	QPSK	36	0	17.36	17.45	17.31				
15	QPSK	36	20	17.24	17.49	17.29	19	0		
15	QPSK	36	36	17.32	17.47	17.33				
15	QPSK	75	0	17.28	17.38	17.30				
15	16QAM	1	0	17.35	17.47	17.38				
15	16QAM	1	37	17.27	17.36	17.21	19	0		
15	16QAM	1	74	17.28	17.40	17.22				
15	16QAM	36	0	17.29	17.47	17.22				
15	16QAM	36	20	17.40	17.37	17.31				
15	16QAM	36	36	17.32	17.47	17.33	19	0		
15	16QAM	75	0	17.19	17.38	17.28				
15	64QAM	1	0	17.32	17.33	17.35				
15	64QAM	1	37	17.36	17.32	17.30				
15	64QAM	1	74	17.26	17.26	17.37	19	0		
15	64QAM	36	0	17.30	17.40	17.28				
15	64QAM	36	20	17.22	17.49	17.28				
15	64QAM	36	36	17.20	17.36	17.17				
15	64QAM	75	0	17.22	17.41	17.13	19	0		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	17.41	17.51	17.44	19	0		
10	QPSK	1	25	17.36	17.38	17.25				
10	QPSK	1	49	17.40	17.47	17.38				
10	QPSK	25	0	17.31	17.45	17.42				
10	QPSK	25	12	17.26	17.53	17.33	19	0		
10	QPSK	25	25	17.24	17.50	17.32				
10	QPSK	50	0	17.31	17.39	17.37				
10	16QAM	1	0	17.34	17.48	17.34				
10	16QAM	1	25	17.33	17.31	17.22	19	0		
10	16QAM	1	49	17.15	17.41	17.22				
10	16QAM	25	0	17.31	17.38	17.28				
10	16QAM	25	12	17.27	17.33	17.33				
10	16QAM	25	25	17.13	17.39	17.15	19	0		
10	16QAM	50	0	17.20	17.36	17.27				
10	64QAM	1	0	17.44	17.40	17.30				
10	64QAM	1	25	17.34	17.26	17.31				
10	64QAM	1	49	17.36	17.27	17.37	19	0		
10	64QAM	25	0	17.39	17.33	17.34				
10	64QAM	25	12	17.22	17.40	17.34				
10	64QAM	25	25	17.32	17.39	17.19				
10	64QAM	50	0	17.22	17.32	17.22	19	0		
Channel				20719	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	17.35	17.47	17.50	19	0		
5	QPSK	1	12	17.29	17.49	17.38				
5	QPSK	1	24	17.35	17.36	17.28				
5	QPSK	12	0	17.31	17.48	17.32				
5	QPSK	12	7	17.29	17.46	17.40	19	0		
5	QPSK	12	13	17.35	17.49	17.33				
5	QPSK	25	0	17.26	17.47	17.39				
5	16QAM	1	0	17.25	17.50	17.37				
5	16QAM	1	12	17.26	17.28	17.26	19	0		
5	16QAM	1	24	17.24	17.44	17.33				
5	16QAM	12	0	17.20	17.45	17.29				
5	16QAM	12	7	17.29	17.27	17.23				
5	16QAM	12	13	17.18	17.34	17.18	19	0		
5	16QAM	25	0	17.25	17.37	17.27				
5	64QAM	1	0	17.44	17.40	17.29				
5	64QAM	1	12	17.27	17.27	17.23				
5	64QAM	1	24	17.32	17.30	17.28	19	0		
5	64QAM	12	0	17.27	17.41	17.22				
5	64QAM	12	7	17.12	17.36	17.27				
5	64QAM	12	13	17.17	17.29	17.26				
5	64QAM	25	0	17.21	17.44	17.24	19	0		

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	18.09	19.75	19.65	20.5	0		
20	QPSK	1	49	19.67	19.73	19.62				
20	QPSK	1	99	19.58	19.71	19.52				
20	QPSK	50	0	19.67	19.73	19.63				
20	QPSK	50	24	19.66	19.70	19.60	20.5	0		
20	QPSK	50	50	19.56	19.67	19.59				
20	QPSK	100	0	19.68	19.72	19.51				
20	16QAM	1	0	19.67	19.69	19.58				
20	16QAM	1	49	19.62	19.70	19.56	20.5	0		
20	16QAM	1	99	19.48	19.58	19.47				
20	16QAM	50	0	19.58	19.72	19.61				
20	16QAM	50	24	19.64	19.59	19.45				
20	16QAM	50	50	19.42	19.55	19.57	20.5	0		
20	16QAM	100	0	19.62	19.67	19.40				
20	64QAM	1	0	19.65	19.74	19.50				
20	64QAM	1	49	19.63	19.59	19.54				
20	64QAM	1	99	19.55	19.60	19.47	20.5	0		
20	64QAM	50	0	19.66	19.60	19.55	20.5	0		
20	64QAM	50	24	19.58	19.65	19.47				
20	64QAM	50	50	19.48	19.56	19.57				
20	64QAM	100	0	19.56	19.58	19.43				
Channel				20925 <th>21100</th> <th>21375<th colspan="4"></th></th>	21100	21375 <th colspan="4"></th>				
Frequency (MHz)				2507.5 <th>2535<th>2562.5<th colspan="4"></th></th></th>	2535 <th>2562.5<th colspan="4"></th></th>	2562.5 <th colspan="4"></th>				
15	QPSK	1	0	18.08	19.64	19.55	20.5	0		
15	QPSK	1	49	19.53	19.63	19.53				
15	QPSK	1	74	19.51	19.60	19.38				
15	QPSK	36	0	19.62	19.65	19.61				
15	QPSK	36	20	19.51	19.58	19.54	20.5	0		
15	QPSK	36	39	19.47	19.53	19.57				
15	QPSK	75	0	19.65	19.66	19.43				
15	16QAM	1	0	19.63	19.64	19.57				
15	16QAM	1	49	19.50	19.56	19.46	20.5	0		
15	16QAM	1	74	19.38	19.52	19.31				
15	16QAM	36	0	19.43	19.69	19.55				
15	16QAM	36	20	19.63	19.50	19.41				
15	16QAM	36	39	19.38	19.45	19.46	20.5	0		
15	16QAM	75	0	19.51	19.65	19.33				
15	64QAM	1	0	19.50	19.71	19.55				
15	64QAM	1	31	19.59	19.46	19.50				
15	64QAM	1	74	19.47	19.51	19.42	20.5	0		
15	64QAM	36	0	19.51	19.50	19.40				
15	64QAM	36	20	19.43	19.50	19.33				
15	64QAM	36	39	19.36	19.50	19.52				
15	64QAM	75	0	19.47	19.47	19.31				
Channel				20900 <th>21100<th>21400<th colspan="4"></th></th></th>	21100 <th>21400<th colspan="4"></th></th>	21400 <th colspan="4"></th>				
Frequency (MHz)				2509 <th>2535<th>2560<th colspan="4"></th></th></th>	2535 <th>2560<th colspan="4"></th></th>	2560 <th colspan="4"></th>				
10	QPSK	1	0	18.54	19.60	19.54	20.5	0		
10	QPSK	1	25	19.50	19.64	19.56				
10	QPSK	1	49	19.55	19.70	19.47				
10	QPSK	25	0	19.59	19.62	19.61				
10	QPSK	25	12	19.56	19.63	19.57	20.5	0		
10	QPSK	25	25	19.55	19.61	19.50				
10	QPSK	50	0	19.53	19.59	19.59				
10	16QAM	1	0	19.50	19.67	19.47				
10	16QAM	1	25	19.47	19.68	19.54	20.5	0		
10	16QAM	1	49	19.39	19.48	19.26				
10	16QAM	25	0	19.48	19.66	19.47				
10	16QAM	25	12	19.54	19.52	19.34				
10	16QAM	25	25	19.35	19.53	19.55	20.5	0		
10	16QAM	50	0	19.43	19.53	19.29				
10	64QAM	1	0	19.53	19.67	19.45				
10	64QAM	1	25	19.61	19.52	19.45				
10	64QAM	1	49	19.48	19.50	19.39	20.5	0		
10	64QAM	25	0	19.56	19.58	19.41				
10	64QAM	25	12	19.43	19.62	19.36				
10	64QAM	25	25	19.46	19.44	19.40				
10	64QAM	50	0	19.40	19.44	19.40				
Channel				20975 <th>21100<th>21425<th colspan="4"></th></th></th>	21100 <th>21425<th colspan="4"></th></th>	21425 <th colspan="4"></th>				
Frequency (MHz)				2522.5 <th>2535<th>2557.5<th colspan="4"></th></th></th>	2535 <th>2557.5<th colspan="4"></th></th>	2557.5 <th colspan="4"></th>				
5	QPSK	1	0	19.55	19.70	19.60	20.5	0		
5	QPSK	1	12	19.60	19.66	19.52				
5	QPSK	1	24	19.55	19.69	19.48				
5	QPSK	12	0	19.52	19.68	19.50				
5	QPSK	12	7	19.64	19.57	19.51	20.5	0		
5	QPSK	12	14	19.41	19.60	19.49				
5	QPSK	25	0	19.65	19.67	19.45				
5	16QAM	1	0	19.65	19.63	19.53				
5	16QAM	1	12	19.56	19.55	19.47	20.5	0		
5	16QAM	1	24	19.43	19.53	19.34				
5	16QAM	12	0	19.50	19.65	19.49				
5	16QAM	12	7	19.55	19.44	19.43				
5	16QAM	25	0	19.27	19.52	19.49	20.5	0		
5	16QAM	25	0	19.60	19.66	19.30				
5	64QAM	1	0	19.62	19.66	19.39				
5	64QAM	1	12	19.59	19.52	19.42				
5	64QAM	1	24	19.51	19.45	19.34	20.5	0		
5	64QAM	12	0	19.56	19.46	19.31				
5	64QAM	12	0	19.56	19.46	19.31				
5	64QAM	12	13	19.35	19.53	19.49				
5	64QAM	25	0	19.50	19.54	19.32				

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.43	23.50	23.45	24.5	0	
10	QPSK	1	25	23.32	23.39	23.29			
10	QPSK	1	49	23.41	23.47	23.22			
10	QPSK	25	0	22.30	22.30	22.25	23.5	1	
10	QPSK	25	12	22.21	22.20	22.22			
10	QPSK	25	25	22.24	22.28	22.22			
10	QPSK	50	0	22.23	22.27	22.24	23.5	1	
10	16QAM	1	0	22.32	22.37	22.60			
10	16QAM	1	25	22.42	22.32	22.35			
10	16QAM	1	49	22.66	22.55	22.61	22.5	2	
10	16QAM	25	0	21.24	21.18	21.20			
10	16QAM	25	12	21.14	21.26	21.18			
10	16QAM	25	25	21.18	21.36	21.25	22.5	2	
10	16QAM	50	0	21.17	21.24	21.23			
10	64QAM	1	0	21.25	21.36	21.22			
10	64QAM	1	25	21.53	21.35	21.40	22.5	2	
10	64QAM	1	49	21.50	21.39	21.35			
10	64QAM	25	0	20.19	20.28	20.21			
10	64QAM	25	12	20.25	20.21	20.31	21.5	3	
10	64QAM	25	25	20.27	20.37	20.23			
10	64QAM	50	0	20.29	20.25	20.23			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.38	23.37	23.38	24.5	0	
5	QPSK	1	12	23.08	23.28	23.15			
5	QPSK	1	24	23.31	23.38	23.19			
5	QPSK	12	0	22.26	22.28	22.21	23.5	1	
5	QPSK	12	7	22.07	22.19	22.07			
5	QPSK	12	13	22.12	22.23	22.16			
5	QPSK	25	0	22.17	22.24	22.16	23.5	1	
5	16QAM	1	0	22.37	22.28	22.56			
5	16QAM	1	12	22.37	22.17	22.33			
5	16QAM	1	24	22.59	22.45	22.59	22.5	2	
5	16QAM	12	0	21.14	21.04	21.11			
5	16QAM	12	7	21.02	21.14	21.14			
5	16QAM	12	13	21.09	21.25	21.13	22.5	2	
5	16QAM	25	0	21.06	21.19	21.18			
5	64QAM	1	0	21.13	21.29	21.08			
5	64QAM	1	12	21.38	21.31	21.25	22.5	2	
5	64QAM	1	24	21.47	21.29	21.34			
5	64QAM	12	0	20.11	20.23	20.19			
5	64QAM	12	7	20.19	20.13	20.27	21.5	3	
5	64QAM	12	13	20.20	20.26	20.16			
5	64QAM	25	0	20.20	20.22	20.08			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.40	23.49	23.35	24.5	0	
3	QPSK	1	8	23.16	23.31	23.21			
3	QPSK	1	14	23.36	23.45	23.21			
3	QPSK	8	0	22.19	22.25	22.19	23.5	1	
3	QPSK	8	4	22.06	22.09	22.11			
3	QPSK	8	7	22.14	22.22	22.16			
3	QPSK	15	0	22.09	22.19	22.20	23.5	1	
3	16QAM	1	0	22.51	22.30	22.59			
3	16QAM	1	8	22.26	22.25	22.28			
3	16QAM	1	14	22.53	22.48	22.54	22.5	2	
3	16QAM	8	0	21.14	21.09	21.08			
3	16QAM	8	4	21.09	21.14	21.16			
3	16QAM	8	7	21.03	21.30	21.11	22.5	2	
3	16QAM	15	0	21.12	21.14	21.22			
3	64QAM	1	0	21.21	21.35	21.08			
3	64QAM	1	8	21.46	21.22	21.36	22.5	2	
3	64QAM	1	14	21.38	21.34	21.29			
3	64QAM	8	0	20.11	20.18	20.17			
3	64QAM	8	4	20.16	20.10	20.27	21.5	3	
3	64QAM	8	7	20.19	20.35	20.20			
3	64QAM	15	0	20.16	20.17	20.22			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.32	23.45	23.37	24.5	0	
1.4	QPSK	1	3	23.16	23.26	23.17			
1.4	QPSK	1	5	23.38	23.40	23.21			
1.4	QPSK	3	0	23.39	23.42	23.42	23.5	1	
1.4	QPSK	3	1	23.20	23.28	23.17			
1.4	QPSK	3	3	23.36	23.40	23.09			
1.4	QPSK	6	0	22.20	22.18	22.20	23.5	1	
1.4	16QAM	1	0	22.45	22.28	22.55			
1.4	16QAM	1	3	22.30	22.26	22.30			
1.4	16QAM	1	5	22.58	22.51	22.46	22.5	1	
1.4	16QAM	3	0	22.46	22.25	22.48			
1.4	16QAM	3	1	22.33	22.26	22.26			
1.4	16QAM	3	3	22.62	22.48	22.46	22.5	2	
1.4	16QAM	6	0	21.11	21.11	21.10			
1.4	64QAM	1	0	21.19	21.27	21.19			
1.4	64QAM	1	3	21.42	21.21	21.29	22.5	2	
1.4	64QAM	1	5	21.43	21.30	21.25			
1.4	64QAM	3	0	21.13	21.32	21.14			
1.4	64QAM	3	1	21.38	21.21	21.27	21.5	3	
1.4	64QAM	3	3	21.36	21.35	21.24			
1.4	64QAM	6	0	20.22	20.22	20.19			

Band 12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.66	23.72	23.69	24.5	0	
10	QPSK	1	25	23.60	23.84	23.54			
10	QPSK	1	49	23.62	23.43	23.38			
10	QPSK	25	0	22.55	22.52	22.51	23.5	1	
10	QPSK	25	12	22.51	22.52	22.51			
10	QPSK	25	25	22.53	22.56	22.45			
10	QPSK	50	0	22.53	22.58	22.47	23.5	1	
10	16QAM	1	0	22.95	22.83	22.99			
10	16QAM	1	25	22.94	22.89	22.76			
10	16QAM	1	49	22.99	22.76	22.64	22.5	2	
10	16QAM	25	0	21.52	21.84	21.46			
10	16QAM	25	12	21.43	21.53	21.43			
10	16QAM	25	25	21.60	21.54	21.44	22.5	2	
10	16QAM	50	0	21.56	21.56	21.44			
10	64QAM	1	0	21.75	21.73	21.87			
10	64QAM	1	25	21.85	21.90	21.77	22.5	2	
10	64QAM	1	49	21.71	21.89	21.84			
10	64QAM	25	0	20.53	20.50	20.49			
10	64QAM	25	12	20.58	20.52	20.48	21.5	3	
10	64QAM	25	25	20.51	20.49	20.49			
10	64QAM	50	0	20.53	20.52	20.48			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.55	23.70	23.57	24.5	0	
5	QPSK	1	12	23.49	23.55	23.49			
5	QPSK	1	24	23.54	23.34	23.28			
5	QPSK	12	0	22.53	22.51	22.50	23.5	1	
5	QPSK	12	7	22.49	22.49	22.37			
5	QPSK	12	13	22.48	22.51	22.31			
5	QPSK	25	0	22.44	22.52	22.42	23.5	1	
5	16QAM	1	0	22.87	22.87	22.87			
5	16QAM	1	12	22.87	22.81	22.86			
5	16QAM	1	24	22.95	22.88	22.52	22.5	2	
5	16QAM	12	0	21.48	21.58	21.41			
5	16QAM	12	7	21.40	21.50	21.30			
5	16QAM	12	13	21.54	21.43	21.29	22.5	2	
5	16QAM	25	0	21.44	21.42	21.37			
5	16QAM	1	0	21.71	21.71	21.71			
5	64QAM	1	12	21.81	21.88	21.73	21.5	2	
5	64QAM	1	24	21.66	21.65	21.71			
5	64QAM	12	0	20.39	20.36	20.40			
5	64QAM	12	7	20.55	20.46	20.35	21.5	3	
5	64QAM	12	13	20.48	20.39	20.48			
5	64QAM	25	0	20.42	20.39	20.42			
Channel				23025	23095	23165			
Frequency (MHz)				699.7	707.3	714.9			
3	QPSK	1	0	23.58	23.63	23.48	24.5	0	
3	QPSK	1	8	23.53	23.59	23.44			
3	QPSK	1	14	23.46	23.35	23.37			
3	QPSK	8	0	22.43	22.59	22.48	23.5	1	
3	QPSK	8	4	22.46	22.42	22.45			
3	QPSK	8	7	22.49	22.55	22.43			
3	QPSK	15	0	22.48	22.49	22.40	23.5	1	
3	16QAM	1	0	22.91	22.57	22.58			
3	16QAM	1	8	22.91	22.65	22.68			
3	16QAM	1	14	22.93	22.66	22.55	22.5	2	
3	16QAM	8	0	21.47	21.53	21.43			
3	16QAM	8	4	21.42	21.46	21.30			
3	16QAM	8	7	21.55	21.43	21.41	21.5	2	
3	64QAM	1	24	21.46	21.41	21.52			
3	64QAM	1	0	21.64	21.67	21.81			
3	64QAM	1	8	21.81	21.83	21.74	22.5	2	
3	64QAM	1	14	21.68	21.66	21.83			
3	64QAM	8	0	20.52	20.40	20.43			
3	64QAM	8	4	20.48	20.48	20.34	21.5	3	
3	64QAM	8	7	20.43	20.44	20.43			
3	64QAM	15	0	20.40	20.49	20.35			
Channel				23217	23295	23373			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.56	23.60	23.67	24.5	0	
1.4	QPSK	1	3	23.57	23.60	23.40			
1.4	QPSK	1	5	23.51	23.41	23.25			
1.4	QPSK	3	0	23.65	23.66	23.67	23.5	1	
1.4	QPSK	3	1	23.53	23.62	23.48			
1.4	QPSK	3	5	23.57	23.57	23.37			
1.4	16QAM	1	0	22.93	22.51	22.88	23.5	1	
1.4	16QAM	1	3	22.80	22.55	22.61			
1.4	16QAM	1	5	22.87	22.84	22.50			
1.4	16QAM	3	0	22.89	22.48	22.93	22.5	2	
1.4	16QAM	3	1	22.83	22.59	22.93			
1.4	16QAM	3	5	22.85	22.56	22.96			
1.4	64QAM	1	0	21.52	21.51	21.37	22.5	2	
1.4	64QAM	1	0	21.70	21.69	21.79			
1.4	64QAM	1	3	21.74	21.82	21.67			
1.4	64QAM	1	5	21.59	21.56	21.62	22.5	2	
1.4	64QAM	3	0	21.79	21.63	21.79			
1.4	64QAM	3	3	21.79	21.74	21.72			
1.4	64QAM	3	3	21.63	21.54	21.73	21.5	3	
1.4	64QAM	6	0	20.52	20.45	20.44			
1.4	64QAM	6	0	20.53	20.45	20.44			

Band 66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				130072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	21.90	21.98	21.50	23	0		
20	QPSK	1	49	21.76	21.85	21.82				
20	QPSK	1	99	21.89	21.93	21.82				
20	QPSK	50	0	21.88	21.96	21.50	23	0		
20	QPSK	50	24	21.86	21.94	21.85				
20	QPSK	50	50	21.75	21.86	21.88				
20	QPSK	100	0	21.81	21.89	21.86	23	0		
20	16QAM	1	0	21.79	21.83	21.91				
20	16QAM	1	49	21.70	21.85	21.81				
20	16QAM	1	99	21.81	21.81	21.81	22.5	0.5		
20	16QAM	50	0	21.28	21.33	21.45				
20	16QAM	50	24	21.29	21.33	21.42				
20	16QAM	50	50	21.25	21.29	21.35	22.5	0.5		
20	16QAM	100	0	21.23	21.30	21.39				
20	64QAM	1	0	21.40	21.38	21.55				
20	64QAM	1	49	21.40	21.51	21.52	22.5	0.5		
20	64QAM	1	99	21.31	21.38	21.46				
20	64QAM	50	0	20.30	20.34	20.49				
20	64QAM	50	24	20.32	20.34	20.44	21.5	1.5		
20	64QAM	50	50	20.27	20.29	20.38				
20	64QAM	100	0	20.25	20.31	20.41				
Channel				132047	132322	132597	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	21.76	21.89	21.87	23	0		
15	QPSK	1	37	21.77	21.81	21.79				
15	QPSK	1	74	21.78	21.80	21.81				
15	QPSK	36	0	21.85	21.86	21.89	23	0		
15	QPSK	36	20	21.83	21.92	21.77				
15	QPSK	36	39	21.85	21.77	21.81				
15	QPSK	75	0	21.73	21.75	21.83	23	0		
15	16QAM	1	0	21.64	21.78	21.85				
15	16QAM	1	37	21.68	21.73	21.75				
15	16QAM	1	74	21.69	21.72	21.79	22.5	0.5		
15	16QAM	36	0	21.14	21.30	21.44				
15	16QAM	36	20	21.23	21.27	21.33				
15	16QAM	36	39	21.13	21.14	21.26	22.5	0.5		
15	16QAM	75	0	21.22	21.26	21.38				
15	64QAM	1	0	21.33	21.34	21.52				
15	64QAM	1	37	21.26	21.47	21.38	22.5	0.5		
15	64QAM	1	74	21.29	21.36	21.33				
15	64QAM	36	0	20.19	20.32	20.43				
15	64QAM	36	20	20.29	20.20	20.36	21.5	1.5		
15	64QAM	36	39	20.26	20.25	20.24				
15	64QAM	75	0	20.21	20.23	20.33				
Channel				132022	132322	132622	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	21.77	21.92	21.81	23	0		
10	QPSK	1	25	21.67	21.84	21.75				
10	QPSK	1	49	21.81	21.85	21.70				
10	QPSK	25	0	21.83	21.88	21.79	23	0		
10	QPSK	25	12	21.76	21.86	21.79				
10	QPSK	25	25	21.62	21.73	21.86				
10	QPSK	50	0	21.67	21.76	21.74	23	0		
10	16QAM	1	0	21.78	21.80	21.76				
10	16QAM	1	25	21.65	21.76	21.79				
10	16QAM	1	49	21.76	21.73	21.73	22.5	0.5		
10	16QAM	25	0	21.19	21.24	21.36				
10	16QAM	25	12	21.19	21.28	21.37				
10	16QAM	25	25	21.19	21.26	21.33	22.5	0.5		
10	16QAM	50	0	21.16	21.22	21.25				
10	64QAM	1	0	21.30	21.23	21.52				
10	64QAM	1	25	21.26	21.41	21.43	22.5	0.5		
10	64QAM	1	49	21.30	21.27	21.43				
10	64QAM	25	0	20.20	20.32	20.37				
10	64QAM	25	12	20.23	20.29	20.35	21.5	1.5		
10	64QAM	25	25	20.15	20.21	20.25				
10	64QAM	50	0	20.14	20.28	20.37				
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	21.79	21.97	21.82	23	0		
5	QPSK	1	12	21.64	21.86	21.74				
5	QPSK	1	24	21.87	21.90	21.76				
5	QPSK	12	0	21.82	21.85	21.80	23	0		
5	QPSK	12	7	21.84	21.79	21.74				
5	QPSK	12	13	21.71	21.80	21.79				
5	QPSK	25	0	21.68	21.75	21.83	23	0		
5	16QAM	0	0	21.71	21.78	21.76				
5	16QAM	1	12	21.61	21.82	21.72				
5	16QAM	1	24	21.78	21.72	21.70	22.5	0.5		
5	16QAM	12	0	21.25	21.29	21.44				
5	16QAM	12	7	21.24	21.19	21.28				
5	16QAM	12	13	21.24	21.21	21.29	22.5	0.5		
5	16QAM	25	0	21.21	21.27	21.24				
5	64QAM	1	0	21.26	21.34	21.49				
5	64QAM	1	12	21.27	21.36	21.45	22.5	0.5		
5	64QAM	1	24	21.20	21.27	21.32				
5	64QAM	12	0	20.20	20.25	20.35				
5	64QAM	12	7	20.26	20.22	20.35	21.5	1.5		
5	64QAM	12	13	20.21	20.28	20.32				
5	64QAM	25	0	20.10	20.21	20.28				
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	21.80	21.87	21.87	23	0		
3	QPSK	1	8	21.75	21.82	21.67				
3	QPSK	1	14	21.77	21.80	21.79				
3	QPSK	8	0	21.85	21.86	21.85	23	0		
3	QPSK	8	4	21.76	21.82	21.79				
3	QPSK	8	7	21.68	21.85	21.87				
3	QPSK	15	0	21.67	21.77	21.82	23	0		
3	16QAM	1	0	21.67	21.91	21.78				
3	16QAM	1	8	21.62	21.77	21.78				
3	16QAM	1	14	21.70	21.66	21.73	22.5	0.5		
3	16QAM	8	0	21.22	21.19	21.39				
3	16QAM	8	4	21.14	21.22	21.37				
3	16QAM	8	7	21.15	21.18	21.32	22.5	0.5		
3	16QAM	15	0	21.14	21.18	21.33				
3	64QAM	1	0	21.32	21.24	21.49				
3	64QAM	1	8	21.26	21.45	21.43	21.5	1.5		
3	64QAM	1	14	21.16	21.31	21.45				
3	64QAM	8	0	20.29	20.33	20.47				

LTE Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.29	23.41	23.34	24.5	0	
20	QPSK	1	49	23.21	23.24	23.20			
20	QPSK	1	99	23.16	23.22	23.22			
20	QPSK	50	0	22.30	22.39	22.25			
20	QPSK	50	24	22.29	22.29	22.25	23.5	1	
20	QPSK	50	50	22.33	22.23	22.24			
20	QPSK	100	0	22.31	22.34	22.28			
20	16QAM	1	0	22.50	22.52	22.50	23.5	1	
20	16QAM	1	49	22.48	22.44	22.48			
20	16QAM	1	99	22.49	22.54	22.58			
20	16QAM	50	0	21.35	21.21	21.23			
20	16QAM	50	24	21.27	21.26	21.27	22.5	2	
20	16QAM	50	50	21.34	21.29	21.25			
20	16QAM	100	0	21.35	21.22	21.25			
20	64QAM	1	0	21.42	21.44	21.40	22.5	2	
20	64QAM	1	49	21.34	21.45	21.35			
20	64QAM	1	99	21.40	21.49	21.51			
20	64QAM	50	0	20.34	20.23	20.22			
20	64QAM	50	24	20.28	20.31	20.29	21.5	3	
20	64QAM	50	50	20.35	20.31	20.27			
20	64QAM	100	0	20.36	20.26	20.24			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.30	23.31	23.06	24.5	0	
15	QPSK	1	37	23.12	23.06	23.10			
15	QPSK	1	74	23.11	22.99	23.13			
15	QPSK	36	0	22.26	22.14	22.04			
15	QPSK	36	20	22.07	22.04	22.06	23.5	1	
15	QPSK	36	39	22.20	22.05	22.15			
15	QPSK	75	0	22.22	22.16	22.09			
15	16QAM	1	0	22.36	22.46	22.44	23.5	1	
15	16QAM	1	37	22.36	22.20	22.24			
15	16QAM	1	74	22.39	22.34	22.45			
15	16QAM	36	0	21.12	20.97	21.14			
15	16QAM	36	20	21.26	21.21	21.21	22.5	2	
15	16QAM	36	39	21.09	21.15	21.04			
15	16QAM	75	0	21.29	21.09	21.05			
15	64QAM	1	0	21.22	21.27	21.22	22.5	2	
15	64QAM	1	37	21.19	21.36	21.24			
15	64QAM	1	74	21.30	21.28	21.44			
15	64QAM	36	0	20.15	20.16	20.09			
15	64QAM	36	20	20.17	20.25	20.24	21.5	3	
15	64QAM	36	39	20.24	20.25	20.10			
15	64QAM	75	0	20.27	20.14	20.08			
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	23.28	23.16	23.17	24.5	0	
10	QPSK	1	25	23.03	23.18	23.07			
10	QPSK	1	49	22.98	23.00	23.08			
10	QPSK	25	0	22.30	22.15	22.16			
10	QPSK	25	12	22.21	22.07	22.06	23.5	1	
10	QPSK	25	25	22.18	21.98	21.99			
10	QPSK	50	0	22.25	22.19	22.02			
10	16QAM	1	0	22.37	22.43	22.41	23.5	1	
10	16QAM	1	25	22.36	22.31	22.28			
10	16QAM	1	49	22.39	22.31	22.46			
10	16QAM	25	0	21.16	21.05	21.03			
10	16QAM	25	12	21.14	21.20	21.19	22.5	2	
10	16QAM	25	25	21.13	21.22	21.19			
10	16QAM	50	0	21.29	21.03	21.06			
10	64QAM	1	0	21.35	21.32	21.34	22.5	2	
10	64QAM	1	25	21.19	21.29	21.12			
10	64QAM	1	49	21.33	21.26	21.43			
10	64QAM	25	0	20.20	20.18	20.11			
10	64QAM	25	12	20.03	20.10	20.21	21.5	3	
10	64QAM	25	25	20.24	20.19	20.08			
10	64QAM	50	0	20.21	20.18	20.06			
Channel				133147	133297	133447			
Frequency (MHz)				680.5	680.5	680.5			
5	QPSK	1	0	23.27	23.35	23.10	24.5	0	
5	QPSK	1	12	23.04	23.09	23.05			
5	QPSK	1	24	23.02	23.09	23.02			
5	QPSK	12	0	22.22	22.30	22.09			
5	QPSK	12	7	22.21	22.20	22.09	23.5	1	
5	QPSK	12	13	22.12	22.11	22.10			
5	QPSK	25	0	22.26	22.12	22.07			
5	16QAM	1	0	22.34	22.33	22.36	23.5	1	
5	16QAM	1	12	22.30	22.36	22.43			
5	16QAM	1	24	22.29	22.36	22.42			
5	16QAM	12	0	21.29	20.98	21.18			
5	16QAM	12	7	21.07	21.18	21.18	22.5	2	
5	16QAM	12	13	21.26	21.16	21.01			
5	16QAM	25	0	21.15	21.05	21.09			
5	64QAM	1	0	21.24	21.20	21.33	22.5	2	
5	64QAM	1	12	21.20	21.30	21.17			
5	64QAM	1	24	21.31	21.29	21.36			
5	64QAM	12	0	20.10	20.17	20.13			
5	64QAM	12	7	20.15	20.16	20.10	21.5	3	
5	64QAM	12	13	20.20	20.05	20.22			
5	64QAM	25	0	20.19	20.18	20.08			

LTE Band 71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	23.62	23.69	23.65	24.5	0	
20	QPSK	1	49	23.49	23.50	23.53			
20	QPSK	1	99	23.58	23.59	23.47			
20	QPSK	50	0	22.69	22.71	22.57	23.5	1	
20	QPSK	50	24	22.64	22.63	22.63			
20	QPSK	50	50	22.61	22.64	22.55			
20	QPSK	100	0	22.61	22.69	22.53	23.5	1	
20	16QAM	1	0	22.85	22.92	22.84			
20	16QAM	1	49	22.82	22.88	22.74			
20	16QAM	1	99	22.77	22.79	22.69	22.5	2	
20	16QAM	50	0	21.75	21.62	21.62			
20	16QAM	50	24	21.63	21.59	21.54			
20	16QAM	50	50	21.65	21.62	21.54	21.5	3	
20	16QAM	100	0	21.65	21.57	21.52			
20	64QAM	1	0	21.69	21.73	21.73			
20	64QAM	1	49	21.87	21.71	21.66	22.5	2	
20	64QAM	1	99	21.63	21.72	21.62			
20	64QAM	50	0	20.68	20.62	20.51			
20	64QAM	50	24	20.66	20.64	20.61	21.5	3	
20	64QAM	50	50	20.69	20.64	20.58			
20	64QAM	100	0	20.64	20.64	20.55			
Channel				133197	133297	133397			
Frequency (MHz)				670.5 <th>680.5</th> <th>690.5</th> <th></th> <th colspan="2"></th>	680.5	690.5			
15	QPSK	1	0	23.51	23.45	23.48	24.5	0	
15	QPSK	1	37	23.36	23.33	23.48			
15	QPSK	1	74	23.50	23.51	23.25			
15	QPSK	36	0	22.50	22.54	22.52	23.5	1	
15	QPSK	36	20	22.48	22.45	22.39			
15	QPSK	36	39	22.44	22.34	22.41			
15	QPSK	75	0	22.43	22.80	22.42	22.5	2	
15	16QAM	1	0	22.64	22.79	22.79			
15	16QAM	1	37	22.76	22.80	22.66			
15	16QAM	1	74	23.53	23.56	22.46	21.5	3	
15	16QAM	36	0	21.57	21.49	21.38			
15	16QAM	36	20	21.45	21.54	21.47			
15	16QAM	36	39	21.51	21.59	21.41	22.5	2	
15	16QAM	75	0	21.46	21.42	21.30			
15	64QAM	1	0	21.53	21.62	21.53			
15	64QAM	1	37	21.61	21.62	21.53	22.5	2	
15	64QAM	1	74	21.54	21.63	21.51			
15	64QAM	36	0	20.44	20.37	20.44			
15	64QAM	36	20	20.50	20.54	20.50	21.5	3	
15	64QAM	36	39	20.53	20.43	20.39			
15	64QAM	75	0	20.52	20.41	20.35			
Channel				133172	133297	133422			
Frequency (MHz)				668.5 <th>680.5</th> <th>692.5</th> <th></th> <th colspan="2"></th>	680.5	692.5			
10	QPSK	1	0	23.56	23.47	23.46	24.5	0	
10	QPSK	1	25	23.27	23.32	23.42			
10	QPSK	1	49	23.34	23.51	23.27			
10	QPSK	25	0	22.51	22.83	22.46	23.5	1	
10	QPSK	25	12	22.48	22.41	22.46			
10	QPSK	25	25	22.36	22.55	22.36			
10	QPSK	50	0	22.41	22.47	22.44	22.5	1	
10	QPSK	50	12	22.38	22.79	22.38			
10	QPSK	1	25	22.73	22.70	22.51			
10	16QAM	1	49	22.53	22.64	22.48	23.5	1	
10	16QAM	25	0	21.52	21.53	21.36			
10	16QAM	25	12	21.43	21.36	21.39			
10	16QAM	25	25	21.53	21.54	21.45	22.5	2	
10	16QAM	50	0	21.52	21.56	21.45			
10	16QAM	1	0	21.55	21.56	21.52			
10	64QAM	1	25	21.73	21.64	21.55	22.5	2	
10	64QAM	1	49	21.49	21.51	21.55			
10	64QAM	25	0	20.54	20.39	20.35			
10	64QAM	25	12	20.41	20.42	20.50	21.5	3	
10	64QAM	25	25	20.50	20.50	20.44			
10	64QAM	50	0	20.47	20.46	20.45			
Channel				133147	133297	133447			
Frequency (MHz)				665.5 <th>680.5</th> <th>695.5<th></th><th colspan="2"></th></th>	680.5	695.5 <th></th> <th colspan="2"></th>			
5	QPSK	1	0	23.53	23.56	23.34	24.5	0	
5	QPSK	1	12	23.43	23.49	23.48			
5	QPSK	1	24	23.43	23.43	23.42			
5	QPSK	12	0	22.63	22.51	22.36	23.5	1	
5	QPSK	12	7	22.44	22.47	22.44			
5	QPSK	12	19	22.43	22.43	22.35			
5	QPSK	25	0	22.47	22.62	22.59	22.5	1	
5	16QAM	1	0	22.76	22.76	22.60			
5	16QAM	1	12	22.68	22.78	22.62			
5	16QAM	1	24	22.71	22.54	22.47	21.5	2	
5	16QAM	12	0	21.50	21.46	21.45			
5	16QAM	12	7	21.46	21.53	21.47			
5	16QAM	12	13	21.47	21.48	21.48	22.5	2	
5	16QAM	25	0	21.49	21.48	21.39			
5	64QAM	1	0	21.60	21.59	21.50			
5	64QAM	1	12	21.74	21.64	21.52	22.5	2	
5	64QAM	1	24	21.51	21.56	21.46			
5	64QAM	12	0	20.53	20.47	20.55			
5	64QAM	12	7	20.50	20.50	20.50	21.5	3	
5	64QAM	12	13	20.44	20.39	20.35			
5	64QAM	25	0	20.57	20.58	20.47			

Band 41_Ant 1												
BW (MHz)	Modulation	RF Sub Channel	RF Offset	Power Low Ch (Freq)	Power Low Mid Ch (Freq)	Power Low High Ch (Freq)	Power High Ch (Freq)	Power High Ch (Freq)	Turn-on time (s)	APRS (dB)		
Channel												
Frequency (MHz)				36750	40165	40600	41035	41460				
20	QPSK	1	5	18.60	18.37	18.09	17.85	18.37		21	0	
20	QPSK	1	49	19.54	19.23	18.80	18.54	18.80				
20	QPSK	1	99	19.59	19.26	18.87	18.53	18.80				
20	QPSK	50	5	18.62	18.35	18.07	17.82	18.34		21	0	
20	QPSK	50	24	19.52	19.26	18.80	18.58	18.72				
20	QPSK	50	36	19.55	19.32	18.85	18.55	18.72				
20	QPSK	100	5	18.66	18.34	18.05	17.86	18.77				
20	QPSK	100	1	19.52	19.33	18.92	18.52	18.92		21	0	
20	QPSK	100	1	19.57	19.37	18.94	18.52	18.72				
20	QPSK	50	5	19.43	19.26	18.84	18.48	18.75				
20	QPSK	50	24	19.49	19.25	18.80	18.34	18.64		21	0	
20	QPSK	50	36	19.52	19.22	18.74	18.34	18.64				
20	QPSK	100	5	19.47	19.18	18.67	18.42	18.68		21	0	
20	QPSK	100	1	19.50	19.33	18.90	18.47	18.75				
20	QPSK	50	5	19.49	19.32	18.75	18.53	18.68				
20	QPSK	50	36	19.43	19.22	18.71	18.48	18.65		21	0	
20	QPSK	100	5	19.43	19.20	18.76	18.55	18.75				
Channel												
Frequency (MHz)				2501	2547.25	2593	2637.75	2685.5	Turn-on time (s)	APRS (dB)		
10	QPSK	1	5	18.60	18.34	18.01	17.76	18.34		21	0	
10	QPSK	1	37	19.29	19.13	18.78	18.40	19.08				
10	QPSK	1	74	19.47	19.18	18.73	18.40	18.68				
10	QPSK	36	5	19.38	19.30	19.14	19.00	19.14				
10	QPSK	36	20	19.51	19.22	18.78	18.50	19.07		21	0	
10	QPSK	36	30	19.51	19.27	18.70	18.49	18.73				
10	QPSK	75	5	19.43	19.26	18.71	18.49	18.75				
10	QPSK	1	5	18.41	18.26	18.13	18.08	18.81				
10	QPSK	1	37	19.26	19.04	18.73	18.33	18.86		21	0	
10	QPSK	1	74	19.44	19.21	18.76	18.33	18.72				
10	QPSK	36	5	19.28	19.10	18.75	18.42	18.72				
10	QPSK	36	20	19.44	19.19	18.63	18.42	18.81		21	0	
10	QPSK	36	30	19.44	19.19	18.63	18.42	18.81				
10	QPSK	75	5	19.26	19.29	18.65	18.32	18.72				
10	QPSK	1	5	19.24	19.21	18.68	18.50	19.74				
10	QPSK	1	37	19.42	19.11	18.65	18.41	18.67		21	0	
10	QPSK	1	74	19.33	19.08	18.72	18.33	18.68				
10	QPSK	36	5	19.24	19.23	18.70	18.35	18.63				
10	QPSK	36	20	19.25	19.08	18.60	18.48	18.53		21	0	
10	QPSK	36	30	19.30	19.18	18.63	18.42	18.64				
10	QPSK	75	5	19.26	19.14	18.66	18.42	18.63				
Channel												
Frequency (MHz)				36750	40160	40600	41030	41450	Turn-on time (s)	APRS (dB)		
10	QPSK	1	5	18.50	18.36	18.06	17.56	18.50		21	0	
10	QPSK	1	25	19.44	19.22	18.76	18.48	18.76				
10	QPSK	1	49	19.55	19.22	18.81	18.44	19.75				
10	QPSK	25	5	19.52	19.27	18.77	18.60	18.75				
10	QPSK	25	12	19.53	19.16	18.67	18.41	18.65		21	0	
10	QPSK	25	12	19.51	19.25	18.76	18.45	19.75				
10	QPSK	50	5	19.43	19.27	18.72	18.48	18.63				
10	QPSK	50	1	19.47	19.31	18.74	18.50	18.74				
10	QPSK	1	25	19.29	19.05	18.68	18.37	19.02		21	0	
10	QPSK	1	49	19.49	19.04	18.62	18.38	18.58				
10	QPSK	25	5	19.28	19.12	18.74	18.58	18.65		21	0	
10	QPSK	25	12	19.28	19.16	18.80	18.32	18.85				
10	QPSK	50	5	19.32	19.21	18.76	18.58	18.65				
10	QPSK	1	5	19.37	19.15	18.68	18.57	18.85		21	0	
10	QPSK	1	25	19.39	19.11	18.65	18.38	18.85				
10	QPSK	1	49	19.29	19.16	18.73	18.28	18.68				
10	QPSK	25	5	19.28	19.26	18.70	18.38	18.67				
10	QPSK	25	12	19.30	19.08	18.74	18.51	18.68		21	0	
10	QPSK	25	36	19.37	19.21	18.84	18.42	18.57				
10	QPSK	50	5	19.36	19.18	18.62	18.50	18.63				
Channel												
Frequency (MHz)				2498.5	2545.75	2593	2640.25	2687.5	Turn-on time (s)	APRS (dB)		
5	QPSK	1	5	19.51	19.22	18.79	18.53	19.74		21	0	
5	QPSK	1	12	19.39	19.16	18.67	18.53	19.68				
5	QPSK	1	24	19.50	19.17	18.72	18.58	19.75				
5	QPSK	12	5	19.46	19.27	18.80	18.48	19.64				
5	QPSK	12	7	19.45	19.19	18.65	18.53	19.62		21	0	
5	QPSK	12	19	19.51	19.21	18.76	18.48	19.64				
5	QPSK	25	5	19.44	19.20	18.75	18.44	19.71				
5	QPSK	1	5	19.49	19.26	18.74	18.59	19.75				
5	QPSK	1	12	19.37	19.05	18.66	18.27	19.65		21	0	
5	QPSK	1	24	19.29	19.00	18.76	18.38	19.65				
5	QPSK	12	5	19.40	19.25	18.82	18.35	19.68				
5	QPSK	12	7	19.48	19.15	18.60	18.56	19.66		21	0	
5	QPSK	12	13	19.43	19.13	18.65	18.53	19.65				
5	QPSK	25	5	19.41	19.36	18.75	18.40	19.61				
5	QPSK	1	5	19.42	19.07	18.62	18.60	19.70				
5	QPSK	1	12	19.36	19.15	18.65	18.35	19.65		21	0	
5	QPSK	12	5	19.29	19.26	18.74	18.52	19.64				
5	QPSK	12	7	19.30	19.04	18.68	18.48	19.59		21	0	
5	QPSK	12	13	19.36	19.07	18.68	18.32	19.63				
5	QPSK	25	5	19.26	19.08	18.65	18.43	19.71				

Band 41_Ant 2												
BW (MHz)	Modulation	FS (Hz)	RF Offset	Power Low Ch (Freq)	Power Low Mid Ch (Freq)	Power Low High Ch (Freq)	Power High Ch (Freq)	Power High Ch (Freq)	Turn-on time (s)	APRS (dB)		
Channel												
Frequency (MHz)				36750	40165	40600	41035	41460				
20	QPSK	1	5	18.24	18.10	18.08	18.04	18.37		21	0	
20	QPSK	1	49	20.14	20.05	20.17	20.17	20.12				
20	QPSK	1	99	20.20	20.09	20.14	20.21	20.07				
20	QPSK	50	5	18.26	18.13	18.08	18.02	18.31		21	0	
20	QPSK	50	24	20.15	20.08	20.17	20.12	20.18				
20	QPSK	50	36	20.20	20.09	20.18	20.10	20.18				
20	QPSK	100	5	20.17	20.16	20.23	20.18	20.20				
20	QPSK	100	1	20.19	20.05	20.18	20.14	20.21		21	0	
20	QPSK	100	1	20.21	20.01	20.05	20.08	20.08				
20	QPSK	50	5	20.17	20.12	20.19	20.09	20.18				
20	QPSK	50	24	20.11	19.98	20.13	19.07	20.12		21	0	
20	QPSK	50	36	20.09	20.07	20.15	20.06	20.06				
20	QPSK	100	5	20.07	19.96	20.11	20.12	20.09		21	0	
20	QPSK	100	1	20.12	20.10	20.20	20.20	20.20				
20	QPSK	1	49	20.11	20.00	20.05	20.13	20.08		21	0	
20	QPSK	1	99	20.11	19.95	20.06	20.18	20.24				
20	QPSK	36	5	20.12	20.00	20.16	20.10	20.08				
20	QPSK	36	20	20.01	20.02	20.09	19.97	20.08		21	0	
20	QPSK	36	30	20.16	20.04	20.10	20.05	20.08				
20	QPSK	100	5	20.14	20.04	20.18	20.17	20.15				
Channel												
Frequency (MHz)				36975	40172.5	40600	41047.5	41460	Turn-on time (s)	APRS (dB)		
10	QPSK	1	5	20.13	20.04	20.13	20.17	20.15		21	0	
10	QPSK	1	30	19.99	19.96	19.97	20.04	19.98		21	0	
10	QPSK	1	74	20.08	19.95	20.08	20.15	20.04				
10	QPSK	50	5	19.99	19.90	19.99	20.03	19.94		21	0	
10	QPSK	50	36	20.00	19.93	20.18	20.09	20.08		21	0	
10	QPSK	50	36	20.16	20.04	20.12	20.07	20.12				
10	QPSK	100	5	19.98	19.98	20.13	20.13	20.08		21	0	
10	QPSK	100	1	20.01	19.98	20.19	20.20	20.04				
10	QPSK	100	1	20.04	19.98	20.19	20.20	20.04				
10	QPSK	36	5	20.08	20.07	20.09	20.04	20.05		21	0	
10	QPSK	36	20	20.00	19.92	19.99	19.94	19.98		21	0	
10	QPSK	36	30	19.98	19.92	20.03	19.97	19.98				
10	QPSK	74	5	19.97	19.89	19.99	19.97	19.92				
10	QPSK	74	30	19.99	19.94	19.99	20.04	19.94				
10	QPSK	100	5	20.04	19.97	19.99	20.11	20.05		21	0	
10	QPSK	100	1	20.03	19.98	20.04	20.02	20.10				
10	QPSK	36	20	20.00	19.93	19.96	19.93	20.03		21	0	
10	QPSK	36	30	20.11	19.88	20.10	19.93	20.03				
10	QPSK	36	30	20.11	19.93	20.11	19.93	20.03				
Channel												
Frequency (MHz)				36900	40160	40600	41030	41460	Turn-on time (s)	APRS (dB)		
10	QPSK	1	5	20.01	20.04	20.03	20.08	20.06		21	0	
10	QPSK	1	26	20.13	20.15	20.15	20.11	20.16				
10	QPSK	1	49	20.08	20.08	20.04	20.19	20.16				
10	QPSK	50	5	20.00	19.98	20.00	20.03	20.00		21	0	
10	QPSK	50	12	20.03	19.96	20.15	20.07	20.05				
10	QPSK	50	20	20.12	20.03	20.17	20.03	20.10				
10	QPSK	100	5	20.00	19.98	20.00	20.03	20.00		21	0	
10	QPSK	100	1	20.17	19.96	20.10	20.03	20.16				
10	QPSK	1	26	20.03	20.03	19.98	19.95	20.00		21	0	
10	QPSK	1	49	20.00	19.93	19.98	19.95	20.00				
10	QPSK	50	5	20.00	19.97	20.01	20.08	20.04		21	0	
10	QPSK	50	12	20.04	19.99	20.09	20.00	20.06				
10	QPSK	50	20	20.12	19.82	20.03	20.08	19.92				
10	QPSK	100	5	20.00	20.07	20.17	20.08	20.01		21	0	
10	QPSK	100	1	20.07	19.96	20.10	20.03	20.11				
10	QPSK	1	49	19.98	19.88	19.98	20.01	20.14				
10	QPSK	50	5	20.00	19.92	19.99	19.99	19.96		21	0	
10	QPSK	50	12	20.06	19.90	20.07	19.99	20.00		21	0	
10	QPSK	50	20	20.13	19.90	20.01	19.91	19.93				
10	QPSK	100	5	20.03	19.90	20.01	19.91	19.93				
10	QPSK	100	1	20.13	19.93	20.01	19.91	19.93				
Channel												
Frequency (MHz)				36875	40147.5	40600	41003.5	41460	Turn-on time (s)	APRS (dB)		
5	QPSK	1	5	20.21	20.13	20.27	20.11	20.20		21	0	
5	QPSK	1	26	20.12	20.13	20.27	20.11	20.20				
5	QPSK	1	26	20.11	19.97	20.00	20.14	20.20				
5	QPSK	12	5	20.02	19.90	20.00	20.14	20.20		21	0	
5	QPSK	12	7	20.13	20.06	20.14	20.10	20.15				
5	QPSK	12	13	20.07	19.94	20.11	20.02	20.09				
5	QPSK	12	13	20.07	19.97	20.07	20.07	20.07				
5	QPSK	1	26	20.05	19.91	20.08	20.08	20.17		21	0	
5	QPSK	1	12	19.98	19.95	20.00	20.03	19.98				
5	QPSK	12	7	20.08	19.95	20.00	20.03	19.98				
5	QPSK	12	6	20.02	19.91	20.00	20.03	19.98				
5	QPSK	12	7	19.99	19.94	20.04	20.00	20.07		21	0	
5	QPSK	12	13	20.08	19.94	20.00	20.03	19.98				
5	QPSK	1	26	19.95	19.83	20.04	19.96	20.01				
5	QPSK	1	12	19.97	19.90	20.00	20.00	20.10				
5	QPSK	1	12	19.99	19.91	19.93	19.93	20.07		21	0	
5	QPSK	1	26	19.97	19.84	20.00	20.10	20.11				
5	QPSK	12	7	19.99	19.94	20.00	20.03	19.98				
5	QPSK	12	13	19.98	19.96	20.01	19.92	20.04				
5	QPSK	1	12	20.01	19.88	20.01	19.89	20.04				

Full & Default Power Mode

n2_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				372000	376000	380500		
				1860	1860	1860		
20	PI2 BPSK	1	1	23.09	23.12	23.11	24.5	0.0
20	PI2 BPSK	1	53	22.99	23.08	23.06		
20	PI2 BPSK	1	104	23.00	23.14	23.04		
20	PI2 BPSK	50	0	22.97	22.98	22.97	24.0	0.5
20	PI2 BPSK	50	26	22.94	22.96	23.00	24.5	0.0
20	PI2 BPSK	50	56	22.80	22.86	22.93	24.0	0.5
20	PI2 BPSK	100	0	22.99	22.82	22.82		
20	QPSK	1	1	23.09	23.15	23.13		
20	QPSK	1	53	23.06	23.12	23.08	24.5	0.0
20	QPSK	1	104	23.01	23.13	23.11		
20	QPSK	50	0	21.94	22.06	21.96		
20	QPSK	50	26	22.97	23.08	23.01	24.5	0.0
20	QPSK	50	56	22.82	22.11	22.01	23.5	1.0
20	QPSK	100	0	21.96	22.05	21.93	23.5	1.0
20	16QAM	1	1	21.67	21.70	21.63	23.5	1.0
20	64QAM	1	1	20.24	20.33	20.30	22.0	2.5
20	256QAM	1	1	18.82	18.88	18.87	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1860	1927.5		
Channel								
Frequency (MHz)								
10	QPSK	1	1	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1855	1860	1905		
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.97	23.12	23.03	24.5	0.0

n2_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0
20	PI2 BPSK	1	53	22.68	22.64	22.53		
20	PI2 BPSK	1	104	22.71	22.75	22.67		
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5
20	PI2 BPSK	50	26	22.58	22.66	22.65	24.5	0.0
20	PI2 BPSK	50	56	22.06	22.25	22.17	24.0	0.5
20	PI2 BPSK	100	0	22.24	22.19	22.15		
20	QPSK	1	1	22.67	22.90	22.79		
20	QPSK	1	53	22.67	22.79	22.68	24.5	0.0
20	QPSK	1	104	22.74	22.82	22.71		
20	QPSK	50	0	21.56	21.63	21.56		
20	QPSK	50	26	22.66	22.62	22.67	24.5	0.0
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.76	21.69	23.5	1.0
20	16QAM	1	1	21.55	21.56	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02	22.0	2.5
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1860	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.68	22.58	22.64	24.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1860	1905		
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0
Channel				370500	376000	380500		
Frequency (MHz)				1852.5	1860	1867.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				376000	376000	380000		
				1885	1880	1900		
20	PI2 BPSK	1	1	22.99	23.07	23.03	24.5	0.0
20	PI2 BPSK	1	53	23.02	23.05	22.99		
20	PI2 BPSK	1	104	22.90	23.02	22.90		
20	PI2 BPSK	50	0	22.44	22.57	22.42	24.0	0.5
20	PI2 BPSK	50	26	22.98	23.05	22.91	24.5	0.0
20	PI2 BPSK	50	56	22.41	22.52	22.51	24.0	0.5
20	PI2 BPSK	100	0	22.47	22.80	22.54		
20	QPSK	1	1	23.08	23.14	23.12		
20	QPSK	1	53	23.00	23.12	23.02	24.5	0.0
20	QPSK	1	104	23.06	23.13	23.08		
20	QPSK	50	0	22.02	22.06	21.92		
20	QPSK	50	26	22.96	23.05	22.88	24.5	0.0
20	QPSK	50	56	21.96	22.00	22.02	23.5	1.0
20	QPSK	100	0	21.81	21.95	21.93	23.5	1.0
20	16QAM	1	1	21.72	21.76	21.69	23.5	1.0
20	64QAM	1	1	20.09	20.19	20.10	22.0	2.5
20	256QAM	1	1	18.55	18.70	18.63	20.0	4.5
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1860	1902.5		
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1855	1860	1905		
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0
5	QPSK	1	1	22.92	23.00	22.95	24.5	0.0
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0	
20	PI/2 BPSK	1	53	23.46	23.66	23.66			
20	PI/2 BPSK	1	104	23.43	23.55	23.52			
20	PI/2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5	
20	PI/2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI/2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5	
20	PI/2 BPSK	100	0	22.91	23.03	22.94			
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0	
20	QPSK	1	104	23.45	23.59	23.58			
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0	
20	QPSK	50	28	23.46	23.62	23.49	25.0	0.0	
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0	
20	QPSK	100	0	22.36	22.57	22.42			
20	16QAM	1	1	22.36	22.53	22.45	24.0	1.0	
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0	
Channel				167200	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167900			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	
20	PI/2 BPSK	1	53	23.42	23.53	23.51			
20	PI/2 BPSK	1	104	23.38	23.50	23.48			
20	PI/2 BPSK	50	0	22.99	23.05	23.04	24.5	0.5	
20	PI/2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0	
20	PI/2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5	
20	PI/2 BPSK	100	0	22.87	23.02	22.91			
20	QPSK	1	1	23.51	23.56	23.55			
20	QPSK	1	53	23.35	23.36	23.46	25.0	0.0	
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0	
20	QPSK	50	0	22.48	22.57	22.52			
20	QPSK	50	28	23.39	23.52	23.42			
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0	
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	
20	16QAM	1	1	22.31	22.36	22.37			
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5	
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0	
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	
Channel				167200	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0	

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.96	23.10	23.05	24.5	0.0
20	PI2 BPSK	1	53	22.91	23.05	23.01		
20	PI2 BPSK	1	104	22.99	23.08	22.94		
20	PI2 BPSK	50	0	22.35	22.62	22.50		
20	PI2 BPSK	50	28	23.10	23.11	23.00	24.5	0.0
20	PI2 BPSK	50	56	22.53	22.60	22.50	24.0	0.5
20	PI2 BPSK	100	0	22.07	22.38	22.48	24.5	0.0
20	QPSK	1	1	23.08	23.12	23.04		
20	QPSK	1	53	23.04	23.06	22.94		
20	QPSK	1	104	22.95	23.09	22.95		
20	QPSK	50	0	21.87	21.97	21.82	23.5	1.0
20	QPSK	50	28	23.02	23.08	22.97	24.5	0.0
20	QPSK	50	56	21.85	21.99	21.85	23.5	1.0
20	QPSK	100	0	21.36	22.00	21.54	23.5	1.0
20	16QAM	1	1	21.55	21.70	21.58	23.5	1.0
20	64QAM	1	1	20.19	20.20	20.10	22.0	2.5
20	256QAM	1	1	18.63	18.66	18.59	20.0	4.5
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2535	2562.5		
15	QPSK	1	1	22.96	23.09	22.94	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.96	22.97	23.00	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.01	23.04	22.95	24.5	0.0

n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				501000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0
20	PI2 BPSK	1	53	23.01	23.06	23.09		
20	PI2 BPSK	1	104	23.04	23.17	23.00		
20	PI2 BPSK	50	0	22.38	22.61	22.46		
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.60	22.56	22.49	24.5	0.0
20	QPSK	1	1	23.11	23.25	23.16		
20	QPSK	1	53	23.06	23.13	23.05		
20	QPSK	1	104	22.95	23.19	23.11		
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	22.46	23.05	23.03	24.5	0.0
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97	23.5	1.0
20	64QAM	1	1	20.47	20.55	20.47	22.0	2.5
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2535	2562.5		
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.00	23.02	22.93	24.5	0.0
20	PI2 BPSK	1	53	22.82	22.97	22.96		
20	PI2 BPSK	1	104	22.89	22.95	22.92		
20	PI2 BPSK	50	0	22.31	22.56	22.52		
20	PI2 BPSK	50	28	22.85	23.00	22.99	24.5	0.0
20	PI2 BPSK	50	56	22.52	22.60	22.48	24.0	0.5
20	PI2 BPSK	100	0	22.45	22.52	22.43	24.5	0.0
20	QPSK	1	1	22.98	23.05	23.02		
20	QPSK	1	53	22.89	23.02	22.88		
20	QPSK	1	104	22.86	23.00	22.93		
20	QPSK	50	0	22.02	22.10	22.06	23.5	1.0
20	QPSK	50	28	22.92	22.98	22.95	24.5	0.0
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.30	21.99	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77	23.5	1.0
20	64QAM	1	1	20.34	20.35	20.29	22.0	2.5
20	256QAM	1	1	18.83	18.88	18.77	20.0	4.5
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2535	2562.5		
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.94	22.92	23.00	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	22.97	22.98	24.5	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI/2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI/2 BPSK	1	40	23.05	23.17	23.07			
15	PI/2 BPSK	1	77	23.28	23.20	23.12	24.0	0.5	
15	PI/2 BPSK	36	0	22.62	22.70	22.60			
15	PI/2 BPSK	36	22	23.05	23.18	23.20	24.5	0.0	
15	PI/2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5	
15	PI/2 BPSK	75	0	22.38	22.73	22.59			
15	QPSK	1	1	23.20	23.30	23.21	24.5	0.0	
15	QPSK	1	40	23.20	23.13	23.09			
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.06	22.00			
15	QPSK	36	22	23.24	23.29	23.19	24.5	0.0	
15	QPSK	36	43	22.09	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.09			
15	16QAM	1	1	21.87	21.95	21.90	23.5	1.0	
15	64QAM	1	1	20.48	20.59	20.38	22.0	2.5	
15	256QAM	1	1	19.10	19.04	19.07	20.0	4.5	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5 <th>707.5</th> <th>713.5</th>	707.5	713.5			
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0	

n12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI/2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI/2 BPSK	1	40	23.11	23.25	23.19			
15	PI/2 BPSK	1	77	23.30	23.31	23.17	24.0	0.5	
15	PI/2 BPSK	36	0	22.77	22.83	22.74			
15	PI/2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0	
15	PI/2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5	
15	PI/2 BPSK	75	0	22.66	22.80	22.67			
15	QPSK	1	1	23.25	23.36	23.24	24.5	0.0	
15	QPSK	1	40	23.26	23.26	23.19			
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0	
15	QPSK	36	0	22.09	22.12	22.09			
15	QPSK	36	22	23.29	23.30	23.24	24.5	0.0	
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12			
15	16QAM	1	1	21.97	22.10	22.02	23.5	1.0	
15	64QAM	1	1	20.59	20.80	20.48	22.0	2.5	
15	256QAM	1	1	19.12	19.18	19.16	20.0	4.5	
Channel				140900	141500	142100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.16	24.5	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0	
30	PI2 BPSK	1	80	23.17	23.20	23.19			
30	PI2 BPSK	1	158	23.11	23.22	23.10			
30	PI2 BPSK	80	0	22.89	22.75	22.87	24.0	0.5	
30	PI2 BPSK	80	40	23.20	23.25	23.23			
30	PI2 BPSK	80	80	22.85	22.73	22.85			
30	PI2 BPSK	160	0	22.80	22.66	22.64	24.0	0.5	
30	QPSK	1	1	23.20	23.30	23.24			
30	QPSK	1	80	23.19	23.25	23.12			
30	QPSK	1	158	23.17	23.21	23.17	24.5	0.0	
30	QPSK	80	0	22.16	22.22	22.21			
30	QPSK	80	40	23.09	23.23	23.22			
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0	
30	QPSK	160	0	22.26	22.20	22.15			
30	16QAM	1	1	21.80	21.80	21.86		23.5	
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5	
30	256QAM	1	1	19.02	19.05	18.96			
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dbm)	MPR (dB)	
20	QPSK	1	1	23.08	23.19	23.16		24.5	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	1	23.11	23.22	23.16		24.5	
Channel				342000	347000	352000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	1	23.07	23.28	23.23		24.5	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	1	23.08	23.18	23.18		24.5	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0	
30	PI2 BPSK	1	80	23.04	23.16	23.16			
30	PI2 BPSK	1	158	23.02	23.19	23.04			
30	PI2 BPSK	80	0	22.96	22.81	22.99	24.0	0.5	
30	PI2 BPSK	80	40	23.18	23.22	23.11			
30	PI2 BPSK	80	80	22.98	22.81	22.97			
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.0	0.5	
30	QPSK	1	1	23.17	23.27	23.12			
30	QPSK	1	80	23.16	23.21	23.08			
30	QPSK	1	158	23.08	23.18	23.08	24.5	0.0	
30	QPSK	80	0	22.15	22.17	22.20			
30	QPSK	80	40	23.05	23.21	23.13			
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0	
30	QPSK	160	0	21.98	22.19	22.11			
30	16QAM	1	1	21.76	21.85	21.82		23.5	
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5	
30	256QAM	1	1	18.92	18.96	18.94			
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dbm)	MPR (dB)	
20	QPSK	1	1	23.10	23.14	23.10		24.5	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	1	23.02	23.24	23.04		24.5	
Channel				342000	347000	352000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	1	23.15	23.22	23.05		24.5	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	1	23.10	23.14	22.97		24.5	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.81	22.90	22.76	24.5	0.0	
30	PI2 BPSK	1	80	22.86	22.87	22.83			
30	PI2 BPSK	1	158	22.70	22.85	22.80			
30	PI2 BPSK	80	0	22.26	22.45	22.36	24.0	0.5	
30	PI2 BPSK	80	40	22.85	22.89	22.80			
30	PI2 BPSK	80	80	22.34	22.42	22.29			
30	PI2 BPSK	160	0	22.23	22.38	22.24	24.0	0.5	
30	QPSK	1	1	22.99	22.93	22.83			
30	QPSK	1	80	22.85	22.90	22.76			
30	QPSK	1	158	22.83	22.88	22.77	24.5	0.0	
30	QPSK	80	0	21.84	21.96	21.91			
30	QPSK	80	40	22.75	22.90	22.79			
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0	
30	QPSK	160	0	21.80	21.90	21.87			
30	16QAM	1	1	21.62	21.70	21.56		23.5	
30	64QAM	1	1	20.17	20.31	20.26	22.0	2.5	
30	256QAM	1	1	18.81	18.83	18.79			
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dbm)	MPR (dB)	
20	QPSK	1	1	22.72	22.82	22.68		24.5	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	1	22.78	22.82	22.76		24.5	
Channel				342000	347000	352000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	1	22.85	22.92	22.81		24.5	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	1	22.77	22.83	22.74		24.5	

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0
15	PI2 BPSK	1	40	23.12	23.18	23.04		
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	22.07	22.71	22.59	24.0	0.0
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0
15	PI2 BPSK	36	43	22.06	22.67	22.62	24.0	0.0
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.25	23.28	23.27		
15	QPSK	1	40	23.17	23.25	23.16	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0
15	QPSK	36	0	21.99	22.06	21.91		
15	QPSK	36	22	23.15	23.25	23.16		
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0
15	QPSK	75	0	22.00	22.06	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	660.5	663		
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0

n71_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0
15	PI2 BPSK	1	40	23.16	23.21	23.13		
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.63	22.69	24.0	0.0
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.0
15	PI2 BPSK	75	0	22.73	22.86	22.62		
15	QPSK	1	1	23.34	23.35	23.35		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.26	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.16	22.02		
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	660.5	663		
10	QPSK	1	1	23.31	23.25	23.27	24.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	QPSK	1	1	23.30	23.20	23.19	24.5	0.0

n38_Ant_4									
BN (MHz)	Modulation	RBW (Hz)	RBW Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
				Ch1	Ch2	Ch3	Ch4	Ch5	Ch6
Frequency (MHz)									
40	PSSB (BPSK)	1	1	22.80	23.00	23.20	23.40		
40	PSSB (BPSK)	1	1.5	22.81	23.01	23.21	23.41	23.6	0.0
40	PSSB (BPSK)	1	1.56	22.81	23.01	23.21	23.41	23.6	0.0
40	PSSB (BPSK)	50	1	22.82	23.02	23.22	23.42	23.6	0.0
40	PSSB (BPSK)	50	1.5	22.83	23.03	23.23	23.43	23.6	0.0
40	PSSB (BPSK)	50	1.56	22.83	23.03	23.23	23.43	23.6	0.0
40	QPSK	1	1	22.84	23.04	23.24	23.44		
40	QPSK	1	1.5	22.85	23.05	23.25	23.45	23.6	0.0
40	QPSK	1	1.56	22.85	23.05	23.25	23.45	23.6	0.0
40	QPSK	50	1	22.86	23.06	23.26	23.46	23.6	0.0
40	QPSK	50	1.5	22.87	23.07	23.27	23.47	23.6	0.0
40	QPSK	50	1.56	22.87	23.07	23.27	23.47	23.6	0.0
40	QPSK	50	1.56	22.88	23.08	23.28	23.48	23.6	0.0
40	QPSK	50	1.56	22.89	23.09	23.29	23.49	23.6	0.0
40	QPSK	50	1.56	22.90	23.10	23.30	23.50	23.6	0.0
40	QPSK	50	1.56	22.91	23.11	23.31	23.51	23.6	0.0
40	QPSK	50	1.56	22.92	23.12	23.32	23.52	23.6	0.0
40	QPSK	50	1.56	22.93	23.13	23.33	23.53	23.6	0.0
40	QPSK	50	1.56	22.94	23.14	23.34	23.54	23.6	0.0
40	QPSK	50	1.56	22.95	23.15	23.35	23.55	23.6	0.0
40	QPSK	50	1.56	22.96	23.16	23.36	23.56	23.6	0.0
40	QPSK	50	1.56	22.97	23.17	23.37	23.57	23.6	0.0
40	QPSK	50	1.56	22.98	23.18	23.38	23.58	23.6	0.0
40	QPSK	50	1.56	22.99	23.19	23.39	23.59	23.6	0.0
40	QPSK	50	1.56	23.00	23.20	23.40	23.60	23.6	0.0
40	QPSK	50	1.56	23.01	23.21	23.41	23.61	23.6	0.0
40	QPSK	50	1.56	23.02	23.22	23.42	23.62	23.6	0.0
40	QPSK	50	1.56	23.03	23.23	23.43	23.63	23.6	0.0
40	QPSK	50	1.56	23.04	23.24	23.44	23.64	23.6	0.0
40	QPSK	50	1.56	23.05	23.25	23.45	23.65	23.6	0.0
40	QPSK	50	1.56	23.06	23.26	23.46	23.66	23.6	0.0
40	QPSK	50	1.56	23.07	23.27	23.47	23.67	23.6	0.0
40	QPSK	50	1.56	23.08	23.28	23.48	23.68	23.6	0.0
40	QPSK	50	1.56	23.09	23.29	23.49	23.69	23.6	0.0
40	QPSK	50	1.56	23.10	23.30	23.50	23.70	23.6	0.0
40	QPSK	50	1.56	23.11	23.31	23.51	23.71	23.6	0.0
40	QPSK	50	1.56	23.12	23.32	23.52	23.72	23.6	0.0

FCC_n41_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low C1 Freq.	Power Nominal C2 Freq.	Power High C3 Freq.	Turn-on time (min)	MPE (dB)	
Channel									
Frequency (MHz)				5560.0	5560.0	5560.0			
2540.0									
100	PSS-BPSK	1	1	24.29	24.12	24.17			
100	PSS-BPSK	1	107	24.13	24.02	24.10	20.0	0.0	
100	PSS-BPSK	1	271	24.26	24.32	24.25			
100	PSS-BPSK	20	0	23.92	23.98	23.97	25.0	0.0	
100	PSS-BPSK	120	60	24.11	24.12	24.20	20.0	0.0	
100	PSS-BPSK	150	150	23.92	23.73	23.72			
100	PSS-BPSK	200	0	23.92	23.97	23.95	25.0	0.0	
100	QPSK	1	1	24.40	23.22	24.10			
100	QPSK	1	107	24.19	24.07	24.10	20.0	0.0	
100	QPSK	1	271	24.28	24.11	24.20			
100	QPSK	120	0	23.17	23.18	23.15	20.0	1.0	
100	QPSK	150	60	23.20	23.11	23.20	20.0	0.0	
100	QPSK	150	150	23.41	23.25	23.11			
100	QPSK	270	0	23.15	23.12	23.08	22.0	1.0	
100	HQDM	1	1	23.10	23.07	23.02	25.0	1.0	
100	HQDM	1	1	21.62	21.54	21.52	25.0	2.5	
100	25QAM	1	1	20.20	20.10	20.04	21.0	4.0	
Channel				5570.0	5570.0	5570.0			
Frequency (MHz)				2541	2542.00	2541.00			
90	QPSK	1	1	24.22	24.10 <td>24.20</td> <td>20.0</td> <td colspan="2">0.0</td>	24.20	20.0	0.0	
Channel				5570.0	5570.0	5570.0			
Frequency (MHz)				2538.50	2540.00	2539.00			
80	QPSK	1	1	24.20 <td>24.10<td>24.10</td><td>20.0</td><td colspan="2">0.0</td></td>	24.10 <td>24.10</td> <td>20.0</td> <td colspan="2">0.0</td>	24.10	20.0	0.0	
Channel				5580.0	5580.0	5580.0			
Frequency (MHz)				2533.51	2535.00	2534.00			
70	QPSK	1	1	24.17 <td>24.07<td>24.10</td><td>20.0</td><td colspan="2">0.0</td></td>	24.07 <td>24.10</td> <td>20.0</td> <td colspan="2">0.0</td>	24.10	20.0	0.0	
Channel				5590.0	5590.0	5590.0			
Frequency (MHz)				2530.00	5590.00	5590.00			
60	QPSK	1	1	24.07 <td>24.12<td>24.10</td><td>20.0</td><td colspan="2">0.0</td></td>	24.12 <td>24.10</td> <td>20.0</td> <td colspan="2">0.0</td>	24.10	20.0	0.0	
Channel				5600.0	5600.0	5600.0			
Frequency (MHz)				2527.00	5600.00	5600.00			
50	QPSK	1	1	24.00 <td>24.20<td>24.00</td><td>20.0</td><td colspan="2">0.0</td></td>	24.20 <td>24.00</td> <td>20.0</td> <td colspan="2">0.0</td>	24.00	20.0	0.0	
Channel				5610.0	5610.0	5610.0			
Frequency (MHz)				2524.00	5610.00	5610.00			
40	QPSK	1	1	24.00 <td>24.00<td>24.00</td><td>20.0</td><td colspan="2">0.0</td></td>	24.00 <td>24.00</td> <td>20.0</td> <td colspan="2">0.0</td>	24.00	20.0	0.0	
Channel				5620.0	5620.0	5620.0			
Frequency (MHz)				2521.00	5620.00	5620.00			
30	QPSK	1	1	24.02 <td>24.00<td>24.00</td><td>20.0</td><td colspan="2">0.0</td></td>	24.00 <td>24.00</td> <td>20.0</td> <td colspan="2">0.0</td>	24.00	20.0	0.0	
Channel				5630.0	5630.0	5630.0			
Frequency (MHz)				2518.00	5630.00	5630.00			
20	QPSK	1	1	24.03 <td>24.04<td>24.00</td><td>20.0</td><td colspan="2">0.0</td></td>	24.04 <td>24.00</td> <td>20.0</td> <td colspan="2">0.0</td>	24.00	20.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low C1 Freq.	Power Nominal C2 Freq.	Power High C3 Freq.	Turn up time (min)	SFR (dB)	
Channel									
Frequency (MHz)				2540.0	2540.0	2540.0			
2540.0									
100	PSS-BPSK	1	1	24.19	24.07	24.05			
100	PSS-BPSK	1	107	24.03	24.11	24.10	20.0	0.0	
100	PSS-BPSK	1	271	24.15	24.09	24.02			
100	PSS-BPSK	20	0	24.00	24.12	24.10	25.0	0.0	
100	PSS-BPSK	120	60	24.00	24.06	24.12	20.0	0.0	
100	PSS-BPSK	150	150	24.06	24.13	24.11			
100	PSS-BPSK	200	0	24.02	24.10	24.08	25.0	0.0	
100	QPSK	1	1	24.40	23.22	24.10			
100	QPSK	1	107	24.00	24.00	24.00	20.0	0.0	
100	QPSK	1	271	24.15	24.06	24.01			
100	QPSK	120	0	23.96	23.92	23.97	20.0	1.0	
100	QPSK	150	60	23.20	23.06	23.20	20.0	0.0	
100	QPSK	150	150	23.40	23.05	23.00	22.0	1.0	
100	QPSK	270	0	23.00	23.03	23.00	25.0	1.0	
100	HQDM	1	1	23.10	23.02	23.02	25.0	1.0	
100	25QAM	1	1	20.04	20.00	20.10	21.0	4.0	
Channel				2550.0	2550.0	2550.0			
Frequency (MHz)				2541	2542.00	2541.00			
90	QPSK	1	1	24.02	24.10	24.20	20.0	0.0	
Channel				2560.0	2560.0	2560.0			
Frequency (MHz)				2538.50	2540.00	2539.00			
80	QPSK	1	1	24.10	24.10	24.10	20.0	0.0	
Channel				2570.0	2570.0	2570.0			
Frequency (MHz)				2533.51	2535.00	2534.00			
70	QPSK	1	1	24.07	24.07	24.00	20.0	0.0	
Channel				2580.0	2580.0	2580.0			
Frequency (MHz)				2530.00	2570.00	2570.00			
60	QPSK	1	1	24.00	24.20	24.00	20.0	0.0	
Channel				2590.0	2590.0	2590.0			
Frequency (MHz)				2527.00	2580.00	2580.00			
50	QPSK	1	1	24.00	24.00	24.00	20.0	0.0	
Channel				2600.0	2600.0	2600.0			
Frequency (MHz)				2524.00	2590.00	2590.00			
40	QPSK	1	1	24.00	24.00	24.00	20.0	0.0	
Channel				2610.0	2610.0	2610.0			
Frequency (MHz)				2521.00	2600.00	2600.00			
30	QPSK	1	1	24.02	24.00	24.00	20.0	0.0	
Channel				2620.0	2620.0	2620.0			
Frequency (MHz)				2518.00	2610.00	2610.00			
20	QPSK	1	1	24.03	24.04	24.00	20.0	0.0	
Channel				2630.0	2630.0	2630.0			
Frequency (MHz)				2515.00	2620.00	2620.00			

FCC_n41_Ant 4									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low C1 Freq.	Power Nominal C2 Freq.	Power High C3 Freq.	Turn-up time (min)	Spectrum (dB)	
Channel									
Frequency (MHz)				2540.00	2540.00	2540.00			
100	PSS-BPSK	1	1	24.01	24.12	24.10			
100	PSS-BPSK	1	107	24.19	24.08	24.07	20.0	0.0	
100	PSS-BPSK	1	271	24.12	24.09	24.02			
100	PSS-BPSK	20	0	23.70	23.97	23.98	25.0	0.0	
100	PSS-BPSK	120	60	24.10	24.04	24.08	20.0	0.0	
100	PSS-BPSK	150	150	23.96	23.96	23.90			
100	PSS-BPSK	200	0	23.94	23.90	23.92	25.0	0.0	
100	QPSK	1	1	24.40	23.22	24.10			
100	QPSK	1	107	24.17	24.11	24.07	20.0	0.0	
100	QPSK	1	271	24.14	24.06	24.03			
100	QPSK	120	0	23.20	23.19	23.08	20.0	1.0	
100	QPSK	150	60	23.20	23.11	23.00	20.0	0.0	
100	QPSK	150	150	23.41	23.06	23.00	22.0	1.0	
100	QPSK	270	0	23.02	23.10	23.00	25.0	1.0	
100	HQDM	1	1	23.12	23.07	23.00	25.0	1.0	
100	HQDM	1	1	21.61	21.54	21.52	20.0	2.5	
100	25QAM	1	1	20.10	20.17	20.11	21.0	4.0	
Channel									
Frequency (MHz)				2541	2542.00	2541.00			
90	QPSK	1	1	24.02	24.10	24.20	20.0	0.0	
Channel									
Frequency (MHz)				2550.00	2550.00	2550.00			
80	QPSK	1	1	24.07	24.10	24.10	20.0	0.0	
Channel									
Frequency (MHz)				2560.00	2560.00	2560.00			
70	QPSK	1	1	24.01	24.10	24.10	20.0	0.0	
Channel									
Frequency (MHz)				2570.00	2570.00	2570.00			
60	QPSK	1	1	24.00	24.02	24.07	20.0	0.0	
Channel									
Frequency (MHz)				2580.00	2580.00	2580.00			
50	QPSK	1	1	24.01	24.07	24.10	20.0	0.0	
Channel									
Frequency (MHz)				2590.00	2590.00	2590.00			
40	QPSK	1	1	24.01	24.01	24.01	20.0	0.0	
Channel									
Frequency (MHz)				2600.00	2600.00	2600.00			
30	QPSK	1	1	24.01	24.01	24.01	20.0	0.0	
Channel									
Frequency (MHz)				2610.00	2610.00	2610.00			
20	QPSK	1	1	24.01	24.01	24.01	20.0	0.0	
Channel									
Frequency (MHz)				2620.00	2620.00	2620.00			
10	QPSK	1	1	24.01	24.01	24.01	20.0	0.0	

Part270_n77_Ant 3									
100 MHz	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power MAGN. Ch./Freq.	Power Ch./Freq.	Power MAGN. Ch./Freq.	Turn-on time	SNR
Channel									
Frequency (MHz)				1290	1290	1290	1290		
100	PSS BPSK	1	0	21.17	22.08	20.17			
100	PSS BPSK	1	100	21.18	22.07	20.08	23.0		0.0
100	PSS BPSK	1	200	21.19	22.06	20.07	23.0		0.0
100	PSS BPSK	100	0	21.15	21.06	21.12			0.5
100	PSS BPSK	100	100	21.21	21.05	21.10	23.0		0.0
100	PSS BPSK	100	200	21.27	21.04	21.01	23.0		0.0
100	PSS BPSK	200	0	21.23	21.03	21.01			0.5
100	PSS BPSK	200	100	21.29	21.02	21.00	23.0		0.0
100	QPSK	1	100	21.25	22.08	20.16	23.0		0.0
100	QPSK	1	200	21.26	22.07	20.15	23.0		0.0
100	QPSK	100	0	21.19	21.10	21.10			1.0
100	QPSK	100	100	21.20	21.09	21.09	23.0		0.0
100	QPSK	100	200	21.21	21.08	21.08	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
100	QPSK	200	100	21.24	21.06	21.06	23.0		0.0
100	QPSK	200	200	21.25	21.05	21.05	23.0		0.0
100	QPSK	100	100	21.19	21.10	21.10			1.0
100	QPSK	100	200	21.20	21.09	21.09	23.0		0.0
100	QPSK	200	0	21.23	21.07	21.07			1.0
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[illegible]

Reduced Power Mode for ECI 11

n2_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.48	20.65	20.46	22.0	0.0
20	PI/2 BPSK	1	53	20.57	20.52	20.57		
20	PI/2 BPSK	1	104	20.51	20.58	20.50	22.0	0.0
20	PI/2 BPSK	50	0	20.53	20.50	20.60		
20	PI/2 BPSK	50	28	20.57	20.52	20.46	22.0	0.0
20	PI/2 BPSK	50	56	20.48	20.59	20.47		
20	PI/2 BPSK	100	0	20.52	20.66	20.52	22.0	0.0
20	QPSK	1	1	20.58	20.67	20.61		
20	QPSK	1	53	20.47	20.61	20.50	22.0	0.0
20	QPSK	50	0	20.48	20.53	20.47		
20	QPSK	50	28	20.53	20.64	20.50	22.0	0.0
20	QPSK	50	56	20.50	20.57	20.51		
20	QPSK	100	0	20.49	20.61	20.55	22.0	0.0
20	16QAM	1	1	20.53	20.56	20.57		
20	64QAM	1	1	20.24	20.33	20.30	22.0	0.0
20	256QAM	1	1	18.82	18.88	18.87		
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	22.0	0.0
15	QPSK	1	1	20.48	20.55	20.51	22.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	22.0	0.0
10	QPSK	1	1	20.59	20.62	20.57	22.0	0.0
Channel				370500	375000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5	22.0	0.0
5	QPSK	1	1	20.52	20.57	20.47	22.0	0.0

n2_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0
20	PI/2 BPSK	1	53	22.68	22.64	22.53		
20	PI/2 BPSK	1	104	22.71	22.75	22.67	24.0	0.5
20	PI/2 BPSK	50	0	22.21	22.21	22.05		
20	PI/2 BPSK	50	28	22.58	22.66	22.65	24.5	0.0
20	PI/2 BPSK	50	56	22.05	22.25	22.17		
20	PI/2 BPSK	100	0	22.24	22.19	22.15	24.0	0.5
20	QPSK	1	1	22.67	22.50	22.15		
20	QPSK	1	53	22.67	22.75	22.68	24.5	0.0
20	QPSK	1	104	22.74	22.82	22.71		
20	QPSK	50	0	21.56	21.63	21.56	23.5	1.0
20	QPSK	50	28	22.50	22.62	22.57		
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.75	21.59		
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371000	376000	380000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.86	22.88	22.64	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0
Channel				370500	375000	381500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0

n2_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	15.70	15.92	15.81	17.5	0.0
20	PI/2 BPSK	1	53	15.81	15.82	15.85		
20	PI/2 BPSK	1	104	15.73	15.87	15.84		
20	PI/2 BPSK	50	0	15.92	15.87	15.83	17.5	0.0
20	PI/2 BPSK	50	28	15.72	15.89	15.79	17.5	0.0
20	PI/2 BPSK	50	56	15.83	15.82	15.85	17.5	0.0
20	PI/2 BPSK	100	0	15.76	15.88	15.83		
20	QPSK	1	1	15.85	15.94	15.86		
20	QPSK	1	53	15.92	15.75	15.87	17.5	0.0
20	QPSK	1	104	15.77	15.92	15.84		
20	QPSK	50	0	15.75	15.90	15.78	17.5	0.0
20	QPSK	50	28	15.80	15.83	15.81		
20	QPSK	50	56	15.71	15.82	15.76	17.5	0.0
20	QPSK	100	0	15.76	15.81	15.76		
20	16QAM	1	1	15.76	15.85	15.77	17.5	0.0
20	64QAM	1	1	15.77	15.87	15.74		
20	256QAM	1	1	15.75	15.80	15.80	17.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.80	15.81	15.73	17.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.71	15.85	15.86	17.5	0.0
Channel				370500	375000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	15.77	15.91	15.86	17.5	0.0

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.44	23.52	23.47			
20	PI/2 BPSK	1	53	23.49	23.66	23.66	25.0	0.0	
20	PI/2 BPSK	1	104	23.43	23.55	23.52			
20	PI/2 BPSK	50	0	23.03	23.19	23.14		24.5	
20	PI/2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI/2 BPSK	50	56	22.99	23.08	22.95		24.5	
20	PI/2 BPSK	100	0	22.91	23.03	22.94		0.5	
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0	
20	QPSK	1	53	23.58	23.56	23.55			
20	QPSK	1	104	23.45	23.59	23.58			
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0	
20	QPSK	50	28	23.46	23.62	23.48		0.0	
20	QPSK	50	56	22.80	22.46	22.28		24.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45		24.0	
20	64QAM	1	1	21.00	21.00	20.94		22.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	831.5	25.0	0.0	
Channel				167800	168800	167800			
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	23.59	23.55	23.57	23.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0	
5	QPSK	1	1	23.58	23.60	23.51			

n5_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800	24.0	0.0		
Frequency (MHz)				834	836.5	839				
20	PI/2 BPSK	1	1	22.47	22.52	22.38				
20	PI/2 BPSK	1	53	22.54	22.57	22.38	24.0	0.0		
20	PI/2 BPSK	1	104	22.49	22.46	22.37				
20	PI/2 BPSK	50	0	22.42	22.51	22.36		24.0	0.0	
20	PI/2 BPSK	50	28	22.42	22.53	22.49	24.0	0.0		
20	PI/2 BPSK	50	56	22.52	22.52	22.44		24.0	0.0	
20	PI/2 BPSK	100	0	22.50	22.54	22.41		0.0		
20	QPSK	1	1	22.55	22.58	22.51	24.0	0.0		
20	QPSK	1	53	22.49	22.50	22.44				
20	QPSK	1	104	22.47	22.52	22.43				
20	QPSK	50	0	22.45	22.50	22.42	24.0	0.0		
20	QPSK	50	28	22.50	22.52	22.47		0.0		
20	QPSK	50	56	22.24	22.36	22.24		24.0	0.0	
20	QPSK	100	0	22.35	22.45	22.35	24.0	0.0		
20	16QAM	1	1	22.31	22.38	22.37		24.0	0.0	
20	64QAM	1	1	20.89	20.96	20.89		22.5	1.5	
20	256QAM	1	1	19.39	19.42	19.27	20.5	3.5		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0		
15	QPSK	1	1	22.42	22.47	22.39				
Channel				166800	167300	166800				Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	24.0	0.0		
10	QPSK	1	1	22.48	22.52	22.42				
Channel				165300	167300	169300				Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0		
5	QPSK	1	1	22.47	22.44	22.45				

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (db)
Channel				502000	507000	512000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.04	16.10	16.02	17.5	0.0
20	PI/2 BPSK	1	53	16.02	16.09	15.94		
20	PI/2 BPSK	1	104	16.03	16.09	15.96	17.5	0.0
20	PI/2 BPSK	50	0	16.01	16.02	16.06		
20	PI/2 BPSK	50	28	16.08	16.12	16.00	17.5	0.0
20	PI/2 BPSK	50	56	16.03	16.11	16.02		
20	PI/2 BPSK	100	0	16.07	16.01	16.07	17.5	0.0
20	QPSK	1	1	16.04	16.10	16.06		
20	QPSK	1	53	16.02	16.06	16.07	17.5	0.0
20	QPSK	1	104	16.08	16.03	16.04		
20	QPSK	50	0	16.07	16.01	16.01	17.5	0.0
20	QPSK	50	28	16.09	16.12	16.05		
20	QPSK	50	56	16.01	16.06	15.98	17.5	0.0
20	QPSK	100	0	16.06	16.08	16.03		
20	16QAM	1	1	15.95	16.05	15.99	17.5	0.0
20	64QAM	1	1	16.00	16.03	16.03		
20	256QAM	1	1	16.05	16.13	16.04	17.5	0.0
Channel				501500	507000	512000		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	1	16.01	16.03	15.94	17.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	1	16.03	16.09	16.04	17.5	0.0
Channel				502000	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	1	16.01	16.13	16.05	17.5	0.0
Channel				501500	507000	513000		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)

n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (db)
Channel				502000	507000	512000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0
20	PI/2 BPSK	1	53	23.01	23.06	23.09		
20	PI/2 BPSK	1	104	23.04	23.17	23.06	24.0	0.5
20	PI/2 BPSK	50	0	22.98	22.91	22.46		
20	PI/2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI/2 BPSK	50	56	22.95	22.83	22.45		
20	PI/2 BPSK	100	0	22.80	22.56	22.49	24.0	0.5
20	QPSK	1	1	22.11	22.20	22.16		
20	QPSK	1	53	23.06	23.13	23.05	24.5	0.0
20	QPSK	1	104	22.95	23.19	23.11		
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	22.95	23.05	23.03		
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11		
20	16QAM	1	1	21.96	22.00	21.97	23.5	1.0
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501000	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				502000	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0
Channel				501500	507000	513000		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (db)
Channel				502000	507000	512000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.41	16.58	16.48	18.0	0.0
20	PI/2 BPSK	1	53	16.37	16.45	16.49		
20	PI/2 BPSK	1	104	16.43	16.49	16.42	18.0	0.0
20	PI/2 BPSK	50	0	16.43	16.45	16.47		
20	PI/2 BPSK	50	28	16.39	16.45	16.41	18.0	0.0
20	PI/2 BPSK	50	56	16.46	16.46	16.50		
20	PI/2 BPSK	100	0	16.45	16.54	16.43	18.0	0.0
20	QPSK	1	1	16.39	16.50	16.54		
20	QPSK	1	53	16.36	16.54	16.45	18.0	0.0
20	QPSK	1	104	16.43	16.58	16.47		
20	QPSK	50	0	16.43	16.45	16.45	18.0	0.0
20	QPSK	50	28	16.49	16.57	16.49		
20	QPSK	50	56	16.35	16.51	16.42	18.0	0.0
20	QPSK	100	0	16.45	16.55	16.44		
20	16QAM	1	1	16.44	16.51	16.43	18.0	0.0
20	64QAM	1	1	16.36	16.55	16.49		
20	256QAM	1	1	16.48	16.58	16.39	18.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	1	16.47	16.53	16.42	18.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	1	16.39	16.53	16.43	18.0	0.0
Channel				502000	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	1	16.36	16.57	16.43	18.0	0.0
Channel				501500	507000	513000		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)

n12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)		
Channel				141300	141500	141700	24.5	0.0		
Frequency (MHz)				706.5	707.5	708.5				
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0		
15	PI2 BPSK	1	40	23.05	23.17	23.07				
15	PI2 BPSK	1	77	23.26	23.20	23.12				
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5		
15	PI2 BPSK	36	22	23.05	23.18	23.29	24.5	0.0		
15	PI2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5		
15	PI2 BPSK	75	0	22.58	22.73	22.59	24.5	0.0		
15	QPSK	1	1	23.26	23.30	23.21				
15	QPSK	1	40	23.20	23.13	23.09				
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0		
15	QPSK	36	0	22.07	22.06	22.00				
15	QPSK	36	22	23.25	23.29	23.18				
15	QPSK	36	43	22.59	22.58	22.05	23.5	1.0		
15	QPSK	75	0	22.00	22.10	22.05	23.5	1.0		
15	16QAM	1	1	21.87	21.95	21.80				
15	64QAM	1	1	20.48	20.59	20.38				
256QAM				1	1	19.10	19.04	19.07	20.0	4.5
Channel				140300	141000	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706	707.5	711	24.5	0.0		
10	QPSK	1	1	23.25	23.29	23.07				
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5	24.5	0.0		
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0		

n12_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)		
Channel				141300	141500	141700	24.5	0.0		
Frequency (MHz)				706.5	707.5	708.5				
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0		
15	PI2 BPSK	1	40	23.11	23.25	23.19				
15	PI2 BPSK	1	77	23.30	23.31	23.17				
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5		
15	PI2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0		
15	PI2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5		
15	PI2 BPSK	75	0	22.66	22.80	22.67	24.5	0.0		
15	QPSK	1	1	23.26	23.26	23.24				
15	QPSK	1	40	23.26	23.26	23.15				
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0		
15	QPSK	36	0	22.09	22.12	22.09				
15	QPSK	36	22	23.25	23.30	23.24				
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0		
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0		
15	16QAM	1	1	21.97	22.10	22.02				
15	64QAM	1	1	20.59	20.60	20.48				
256QAM				1	1	19.12	19.18	19.16	20.0	4.5
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711	24.5	0.0		
10	QPSK	1	1	23.25	23.29	23.16				
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5	24.5	0.0		
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0		

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.17	21.22	21.22	22.5	0.0	
30	PI2 BPSK	1	80	21.12	21.23	21.20			
30	PI2 BPSK	1	158	21.18	21.22	21.23	22.5	0.0	
30	PI2 BPSK	80	0	21.16	21.20	21.13			
30	PI2 BPSK	80	40	21.16	21.20	21.22	22.5	0.0	
30	PI2 BPSK	80	80	21.23	21.28	21.23			
30	PI2 BPSK	100	0	21.13	21.25	21.19	22.5	0.0	
30	QPSK	1	1	21.25	21.26	21.27			
30	QPSK	1	80	21.12	21.23	21.12	22.5	0.0	
30	QPSK	80	0	21.12	21.19	21.24			
30	QPSK	80	40	21.22	21.27	21.25	22.5	0.0	
30	QPSK	80	80	21.18	21.23	21.14			
30	QPSK	160	0	21.20	21.24	21.14	22.5	0.0	
30	16QAM	1	1	21.21	21.31	21.23			
30	64QAM	1	1	20.37	20.48	20.47	22.0	0.5	
30	256QAM	1	1	18.02	18.05	18.96			
Channel				345000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.24	21.28	21.20		22.5	
Channel				343500	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.13	21.28	21.17		22.5	
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.10	21.20	21.23		22.5	
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.12	21.20	21.24		22.5	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.01	23.22	23.19	24.5	0.0	
30	PI2 BPSK	1	80	23.04	23.16	23.16			
30	PI2 BPSK	1	158	23.02	23.19	23.04	24.0	0.5	
30	PI2 BPSK	80	0	22.85	22.81	22.59			
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0	
30	PI2 BPSK	80	80	22.98	22.81	22.57			
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.0	0.5	
30	QPSK	1	1	22.17	22.27	22.12			
30	QPSK	1	80	23.15	23.21	23.08	24.5	0.0	
30	QPSK	1	155	23.08	23.18	23.08			
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0	
30	QPSK	80	40	23.05	23.21	23.13			
30	QPSK	80	80	22.08	22.12	22.18	23.5	1.0	
30	QPSK	160	0	21.98	22.10	22.11			
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0	
30	64QAM	1	1	20.27	20.34	20.43		22.0	
30	256QAM	1	1	18.92	18.95	18.94		20.0	
30	256QAM	1	1	18.92	18.95	18.94		20.0	
Channel				344000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.10	23.14	23.10		24.5	
Channel				343500	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.02	23.24	23.04		24.5	
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.15	23.22	23.05		24.5	
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.10	23.14	22.97		24.5	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	17.32	17.39	17.29	19.0	0.0	
30	PI2 BPSK	1	80	17.38	17.31	17.32			
30	PI2 BPSK	1	158	17.35	17.33	17.35	19.0	0.0	
30	PI2 BPSK	80	0	17.32	17.33	17.35			
30	PI2 BPSK	80	40	17.39	17.43	17.27	19.0	0.0	
30	PI2 BPSK	80	80	17.32	17.34	17.28			
30	PI2 BPSK	100	0	17.40	17.42	17.34	19.0	0.0	
30	QPSK	1	1	17.42	17.45	17.38			
30	QPSK	1	80	17.33	17.33	17.26	19.0	0.0	
30	QPSK	1	158	17.31	17.43	17.33			
30	QPSK	80	0	17.37	17.30	17.34	19.0	0.0	
30	QPSK	80	40	17.39	17.40	17.35			
30	QPSK	80	80	17.37	17.36	17.34	19.0	0.0	
30	QPSK	160	0	17.36	17.38	17.31			
30	16QAM	1	1	17.35	17.38	17.27	19.0	0.0	
30	64QAM	1	1	17.39	17.30	17.27		19.0	
30	256QAM	1	1	17.40	17.37	17.30			
Channel				344000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.35	17.42	17.37		19.0	
Channel				343500	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.33	17.44	17.33		19.0	
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.33	17.39	17.28		19.0	
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.30	17.37	17.31		19.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100		
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22		
15	PI2 BPSK	1	40	23.12	23.18	23.04	24.5	0.0
15	PI2 BPSK	1	77	23.16	23.17	23.10	24.0	0.5
15	PI2 BPSK	36	0	22.07	22.71	22.03		
15	PI2 BPSK	36	22	23.15	23.22	23.07		
15	PI2 BPSK	36	43	22.06	22.67	22.62	24.0	0.5
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.17	23.26	23.21		
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0
15	QPSK	36	0	21.99	22.06	21.91		
15	QPSK	36	22	23.15	23.25	23.18		
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				133.000	135.100	137.000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665	680.5	693		
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100		
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26		
15	PI2 BPSK	1	40	23.18	23.21	23.13	24.5	0.0
15	PI2 BPSK	1	77	23.26	23.26	23.13	24.0	0.5
15	PI2 BPSK	36	0	22.77	22.83	22.69		
15	PI2 BPSK	36	22	23.23	23.25	23.12		
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5
15	PI2 BPSK	75	0	22.73	22.85	22.82	24.5	0.0
15	QPSK	1	1	23.26	23.35	23.18		
15	QPSK	1	40	23.26	23.32	23.22		
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.16	22.02		
15	QPSK	36	22	23.27	23.29	23.23		
15	QPSK	36	43	22.13	22.27	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.15	22.15	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				133.000	136.100	139.000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665	680.5	693		
10	QPSK	1	1	23.31	23.28	23.27	24.5	0.0
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.30	23.20	23.19	24.5	0.0

n38_Ant 1										
BSF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. F (Hz)	Power Max Ch. F (Hz)	Power High Ch. F (Hz)	Turn-up time (min)	Appt (dB)		
Channel				51804	51800	51808				
Frequency (MHz)				23922	23920	23928				
AO	PSS-BPSK	1	1	15.46	15.52	15.48	17.0	0.0		
AO	PSS-BPSK	1	53	15.51	15.54	15.57				
AO	PSS-BPSK	1	104	15.49	15.45	15.41				
AO	PSS-BPSK	50	5	15.51	15.50	15.46				
AO	PSS-BPSK	50	28	15.44	15.47	15.42				
AO	PSS-BPSK	50	50	15.47	15.50	15.47	17.0	0.0		
AO	PSS-BPSK	500	5	15.43	15.54	15.57	17.0	0.0		
AO	CPSS	1	1	15.52	15.52	15.50				
AO	CPSS	1	53	15.50	15.45	15.45				
AO	CPSS	1	104	15.49	15.45	15.45				
AO	CPSS	50	5	15.41	15.40	15.40				
AO	CPSS	50	28	15.52	15.52	15.52	17.0	0.0		
AO	CPSS	500	5	15.41	15.40	15.40	17.0	0.0		
AO	CPSS	500	50	15.48	15.48	15.48				
AO	CPSS	500	100	15.45	15.47	15.50				
AO	CPSS	500	5	15.50	15.45	15.45				
AO	CPSS	500	28	15.41	15.42	15.43				
AO	CPSS	500	50	15.41	15.42	15.43	17.0	0.0		
AO	CPSS	500	100	15.41	15.42	15.43	17.0	0.0		
AO	CPSS	500	500	15.48	15.48	15.48				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50				
AO	CPSS	500	1000	15.45	15.47	15.50	17.0	0.0		
AO	CPSS	500	1000	15.45	15.47	15.50	17.0			

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type, Ch. 1 Freq.	Frame Rate, Ch. 1 Freq.	Frame Type, Ch. 2 Freq.	Frame Rate, Ch. 2 Freq.	Turn-up time (min)	Spurs (dB)
Channel									
Frequency (MHz)									
100	PSS-SSBSC	1	1	15.04	24.67	15.04	24.67		
100	PSS-SSBSC	1	137	15.42	15.37	15.44		17.0	0.0
100	PSS-SSBSC	1	271	15.45	15.43	15.43			
100	PSS-SSBSC	36	3	15.49	15.43	15.50		17.0	0.0
100	PSS-SSBSC	130	49	15.44	15.47	15.47		17.0	0.0
100	PSS-SSBSC	170	138	15.46	15.38	15.43		17.0	0.0
100	PSS-SSBSC	200	3	15.54	15.43	15.38			
100	CPSS	1	1	15.50	15.44	15.44			
100	CPSS	1	137	15.42	15.35	15.35		17.0	0.0
100	CPSS	1	271	15.45	15.36	15.41			
100	CPSS	36	49	15.51				17.0	0.0
100	CPSS	130	3	15.47	15.30	15.46		17.0	0.0
100	CPSS	170	49	15.42	15.37	15.37		17.0	0.0
100	CPSS	200	3	15.50	15.42	15.44			
100	VSMB	1	1	15.44	15.30	15.41		17.0	0.0
100	VSMB	1	1	15.45	15.32	15.45		17.0	0.0
100	VSMB	1	1	15.47	15.41	15.43		17.0	0.0
100	VSMB	1	1	15.50					
Channel									
Frequency (MHz)									
90	CPSS	1	1	15.45	15.42	15.44		17.0	0.0
90	CPSS	1	1	15.46	15.40	15.40			
90	CPSS	1	1	15.47	15.47	15.47			
90	CPSS	1	1	15.48	15.48	15.48			
90	CPSS	1	1	15.49	15.49	15.49			
90	CPSS	1	1	15.50	15.50	15.50			
90	CPSS	1	1	15.51	15.51	15.51			
90	CPSS	1	1	15.52	15.52	15.52			
90	CPSS	1	1	15.53	15.53	15.53			
90	CPSS	1	1	15.54	15.54	15.54			
90	CPSS	1	1	15.55	15.55	15.55			
90	CPSS	1	1	15.56	15.56	15.56			
90	CPSS	1	1	15.57	15.57	15.57			
90	CPSS	1	1	15.58	15.58	15.58			
90	CPSS	1	1	15.59	15.59	15.59			
90	CPSS	1	1	15.60	15.60	15.60			
90	CPSS	1	1	15.61	15.61	15.61			
90	CPSS	1	1	15.62	15.62	15.62			
90	CPSS	1	1	15.63	15.63	15.63			
90	CPSS	1	1	15.64	15.64	15.64			
90	CPSS	1	1	15.65	15.65	15.65			
90	CPSS	1	1	15.66	15.66	15.66			
90	CPSS	1	1	15.67	15.67	15.67			
90	CPSS	1	1	15.68	15.68	15.68			
90	CPSS	1	1	15.69	15.69	15.69			
90	CPSS	1	1	15.70	15.70	15.70			
90	CPSS	1	1	15.71	15.71	15.71			
90	CPSS	1	1	15.72	15.72	15.72			
90	CPSS	1	1	15.73	15.73	15.73			
90	CPSS	1	1	15.74	15.74	15.74			
90	CPSS	1	1	15.75	15.75	15.75			
90	CPSS	1	1	15.76	15.76	15.76			
90	CPSS	1	1	15.77	15.77	15.77			
90	CPSS	1	1	15.78	15.78	15.78			
90	CPSS	1	1	15.79	15.79	15.79			
90	CPSS	1	1	15.80	15.80	15.80			
90	CPSS	1	1	15.81	15.81	15.81			
90	CPSS	1	1	15.82	15.82	15.82			
90	CPSS	1	1	15.83	15.83	15.83			
90	CPSS	1	1	15.84	15.84	15.84			
90	CPSS	1	1	15.85	15.85	15.85			
90	CPSS	1	1	15.86	15.86	15.86			
90	CPSS	1	1	15.87	15.87	15.87			
90	CPSS	1	1	15.88	15.88	15.88			
90	CPSS	1	1	15.89	15.89	15.89			
90	CPSS	1	1	15.90	15.90	15.90			
90	CPSS	1	1	15.91	15.91	15.91			
90	CPSS	1	1	15.92	15.92	15.92			
90	CPSS	1	1	15.93	15.93	15.93			
90	CPSS	1	1	15.94	15.94	15.94			
90	CPSS	1	1	15.95	15.95	15.95			
90	CPSS	1	1	15.96	15.96	15.96			
90	CPSS	1	1	15.97	15.97	15.97			
90	CPSS	1	1	15.98	15.98	15.98			
90	CPSS	1	1	15.99	15.99	15.99			
90	CPSS	1	1	16.00	16.00	16.00			
90	CPSS	1	1	16.01	16.01	16.01			
90	CPSS	1	1	16.02	16.02	16.02			
90	CPSS	1	1	16.03	16.03	16.03			
90	CPSS	1	1	16.04	16.04	16.04			
90	CPSS	1	1	16.05	16.05	16.05			
90	CPSS	1	1	16.06	16.06	16.06			
90	CPSS	1	1	16.07	16.07	16.07			
90	CPSS	1	1	16.08	16.08	16.08			
90	CPSS	1	1	16.09	16.09	16.09			
90	CPSS	1	1	16.10	16.10	16.10			
90	CPSS	1	1	16.11	16.11	16.11			
90	CPSS	1	1	16.12	16.12	16.12			
90	CPSS	1	1	16.13	16.13	16.13			
90	CPSS	1	1	16.14	16.14	16.14			
90	CPSS	1	1	16.15	16.15	16.15			
90	CPSS	1	1	16.16	16.16	16.16			
90	CPSS	1	1	16.17	16.17	16.17			
90	CPSS	1	1	16.18	16.18	16.18			
90	CPSS	1	1	16.19	16.19	16.19			
90	CPSS	1	1	16.20	16.20	16.20			
90	CPSS	1	1	16.21	16.21	16.21			
90	CPSS	1	1	16.22	16.22	16.22			
90	CPSS	1	1	16.23	16.23	16.23			
90	CPSS	1	1	16.24	16.24	16.24			
90	CPSS	1	1	16.25	16.25	16.25			
90	CPSS	1	1	16.26	16.26	16.26			
90	CPSS	1	1	16.27	16.27	16.27			
90	CPSS	1	1	16.28	16.28	16.28			
90	CPSS	1	1	16.29	16.29	16.29			
90	CPSS	1	1	16.30	16.30	16.30			
90	CPSS	1	1	16.31	16.31	16.31			
90	CPSS	1	1	16.32	16.32	16.32			
90	CPSS	1	1	16.33	16.33	16.33			
90	CPSS	1	1	16.34	16.34	16.34			
90	CPSS	1	1	16.35	16.35	16.35			
90	CPSS	1	1	16.36	16.36	16.36			
90	CPSS	1	1	16.37	16.37	16.37			
90	CPSS	1	1	16.38	16.38	16.38			
90	CPSS	1	1	16.39	16.39	16.39			
90	CPSS	1	1	16.40	16.40	16.40			
90	CPSS	1	1	16.41	16.41	16.41			
90	CPSS	1	1	16.42	16.42	16.42			
90	CPSS	1	1	16.43	16.43	16.43			
90	CPSS	1	1	16.44	16.44	16.44			
90	CPSS	1	1	16.45	16.45	16.45			
90	CPSS	1	1	16.46	16.46	16.46			
90	CPSS	1	1	16.47	16.47	16.47			
90	CPSS	1	1	16.48	16.48	16.48			
90	CPSS	1	1	16.49	16.49	16.49			
90	CPSS	1	1	16.50	16.50	16.50			
90	CPSS	1	1	16.51	16.51	16.51			
90	CPSS	1	1	16.52	16.52	16.52			
90	CPSS	1	1	16.53	16.53	16.53			
90	CPSS	1	1	16.54	16.54	16.54			
90	CPSS	1	1	16.55	16.55	16.55			
90	CPSS	1	1	16.56	16.56	16.56			
90	CPSS	1	1	16.57	16.57	16.57			
90	CPSS	1	1	16.58	16.58	16.58			
90	CPSS	1	1	16.59	16.59	16.59			
90	CPSS	1	1	16.60	16.60	16.60			
90	CPSS	1	1	16.61	16.61	16.61			
90	CPSS	1	1	16.62	16.62	16.62			
90	CPSS	1	1	16.63	16.63	16.63			
90	CPSS	1	1	16.64	16.64	16.64			
90	CPSS	1	1	16.65	16.65	16.65			
90	CPSS	1	1	16.66	16.66	16.66			
90	CPSS	1	1	16.67	16.67	16.67			
90	CPSS	1	1	16.68	16.68	16.68			
90	CPSS	1	1	16.69	16.69	16.69			
90	CPSS	1	1	16.70	16.70	16.70			
90	CPSS	1	1	16.71	16.71	16.71			
90	CPSS	1	1	16.72	16.72	16.72			
90	CPSS	1	1	16.73	16.73	16.73			
90	CPSS	1	1	16.74	16.74	16.74			
90	CPSS	1	1	16.75	16.75	16.75			
90	CPSS	1	1	16.76	16.76	16.76			
90	CPSS	1	1	16.77	16.77	16.77			
90	CPSS	1	1	16.78	16.78	16.78			
90	CPSS	1	1	16.79	16.79	16.79			
90	CPSS	1	1	16.80	16.80	16.80			
90	CPSS	1	1	16.81	16.81	16.81			
90	CPSS	1	1	16.82	16.82	16.82			
90	CPSS	1	1	16.83	16.83	16.83			
90	CPSS	1	1	16.84	16.84	16.84			
90	CPSS	1	1	16.85	16.85	16.85			
90	CPSS	1	1	16.86	16.86	16.86			
90	CPSS	1	1	16.87	16.87	16.87			
90	CPSS	1	1	16.88	16.88	16.88			
90	CPSS	1	1	16.89	16.89	16.89			
90	CPSS	1	1	16.90	16.90	16.90			
90	CPSS	1	1	16.91	16.91	16.91			
90	CPSS	1	1	16.92	16.92	16.92			
90	CPSS	1	1	16.93	16.93	16.93			
90	CP								



Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (Frac.)	Frame Rate Ch. 1 (Frac.)	Frame Rate Ch. 2 (Frac.)	Time up (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PSS-SSBSC	1	1	18.45	18.45				
100	PSS-SSBSC	1	137	18.48			20.0	0.0	
100	PSS-SSBSC	1	271	18.50	18.50				
100	PSS-SSBSC	36	5	18.51	18.51		20.0	0.0	
100	PSS-SSBSC	136	49	18.53			20.0	0.0	
100	PSS-SSBSC	136	138	18.57	18.57				
100	PSS-SSBSC	200	5	18.59	18.59		20.0	0.0	
100	QPSK	1	1	18.60					
100	QPSK	1	137	18.61			20.0	0.0	
100	QPSK	1	271	18.63	18.63				
100	QPSK	36	49	18.65			20.0	0.0	
100	QPSK	136	5	18.68	18.68		20.0	0.0	
100	QPSK	136	138	18.69			20.0	0.0	
100	QPSK	200	5	18.71	18.71		20.0	0.0	
100	QPSK	1	1	18.72					
100	QPSK	1	137	18.73			20.0	0.0	
100	QPSK	1	271	18.75	18.75				
100	QPSK	36	49	18.77			20.0	0.0	
100	QPSK	136	5	18.79	18.79		20.0	0.0	
100	QPSK	136	138	18.80			20.0	0.0	
100	QPSK	200	5	18.82	18.82		20.0	0.0	
100	QPSK	1	1	18.83					
100	QPSK	1	137	18.84			20.0	0.0	
100	QPSK	1	271	18.86	18.86				
100	QPSK	36	49	18.88			20.0	0.0	
100	QPSK	136	5	18.90	18.90		20.0	0.0	
100	QPSK	136	138	18.91			20.0	0.0	
100	QPSK	200	5	18.93	18.93		20.0	0.0	
100	QPSK	1	1	18.94					
100	QPSK	1	137	18.95			20.0	0.0	
100	QPSK	1	271	18.97	18.97				
100	QPSK	36	49	18.99			20.0	0.0	
100	QPSK	136	5	19.01	19.01		20.0	0.0	
100	QPSK	136	138	19.02			20.0	0.0	
100	QPSK	200	5	19.04	19.04		20.0	0.0	
100	QPSK	1	1	19.05					
100	QPSK	1	137	19.06			20.0	0.0	
100	QPSK	1	271	19.08	19.08				
100	QPSK	36	49	19.10			20.0	0.0	
100	QPSK	136	5	19.12	19.12		20.0	0.0	
100	QPSK	136	138	19.13			20.0	0.0	
100	QPSK	200	5	19.15	19.15		20.0	0.0	
100	QPSK	1	1	19.16					
100	QPSK	1	137	19.17			20.0	0.0	
100	QPSK	1	271	19.19	19.19				
100	QPSK	36	49	19.21			20.0	0.0	
100	QPSK	136	5	19.23	19.23		20.0	0.0	
100	QPSK	136	138	19.24			20.0	0.0	
100	QPSK	200	5	19.26	19.26		20.0	0.0	
100	QPSK	1	1	19.27					
100	QPSK	1	137	19.28			20.0	0.0	
100	QPSK	1	271	19.30	19.30				
100	QPSK	36	49	19.32			20.0	0.0	
100	QPSK	136	5	19.34	19.34		20.0	0.0	
100	QPSK	136	138	19.35			20.0	0.0	
100	QPSK	200	5	19.37	19.37		20.0	0.0	
100	QPSK	1	1	19.38					
100	QPSK	1	137	19.39			20.0	0.0	
100	QPSK	1	271	19.41	19.41				
100	QPSK	36	49	19.43			20.0	0.0	
100	QPSK	136	5	19.45	19.45		20.0	0.0	
100	QPSK	136	138	19.46			20.0	0.0	
100	QPSK	200	5	19.48	19.48		20.0	0.0	
100	QPSK	1	1	19.49					
100	QPSK	1	137	19.50			20.0	0.0	
100	QPSK	1	271	19.52	19.52				
100	QPSK	36	49	19.54			20.0	0.0	
100	QPSK	136	5	19.56	19.56		20.0	0.0	
100	QPSK	136	138	19.57			20.0	0.0	
100	QPSK	200	5	19.59	19.59		20.0	0.0	
100	QPSK	1	1	19.60					
100	QPSK	1	137	19.61			20.0	0.0	
100	QPSK	1	271	19.63	19.63				
100	QPSK	36	49	19.65			20.0	0.0	
100	QPSK	136	5	19.67	19.67		20.0	0.0	
100	QPSK	136	138	19.68			20.0	0.0	
100	QPSK	200	5	19.70	19.70		20.0	0.0	
100	QPSK	1	1	19.71					
100	QPSK	1	137	19.72			20.0	0.0	
100	QPSK	1	271	19.74	19.74				
100	QPSK	36	49	19.76			20.0	0.0	
100	QPSK	136	5	19.78	19.78		20.0	0.0	
100	QPSK	136	138	19.79			20.0	0.0	
100	QPSK	200	5	19.81	19.81		20.0	0.0	
100	QPSK	1	1	19.82					
100	QPSK	1	137	19.83			20.0	0.0	
100	QPSK	1	271	19.85	19.85				
100	QPSK	36	49	19.87			20.0	0.0	
100	QPSK	136	5	19.89	19.89		20.0	0.0	
100	QPSK	136	138	19.90			20.0	0.0	
100	QPSK	200	5	19.92	19.92		20.0	0.0	
100	QPSK	1	1	19.93					
100	QPSK	1	137	19.94			20.0	0.0	
100	QPSK	1	271	19.96	19.96				
100	QPSK	36	49	19.98			20.0	0.0	
100	QPSK	136	5	20.00	20.00		20.0	0.0	
100	QPSK	136	138	20.01			20.0	0.0	
100	QPSK	200	5	20.03	20.03		20.0	0.0	
100	QPSK	1	1	20.04					
100	QPSK	1	137	20.05			20.0	0.0	
100	QPSK	1	271	20.07	20.07				
100	QPSK	36	49	20.09			20.0	0.0	
100	QPSK	136	5	20.11	20.11		20.0	0.0	
100	QPSK	136	138	20.12			20.0	0.0	
100	QPSK	200	5	20.14	20.14		20.0	0.0	
100	QPSK	1	1	20.15					
100	QPSK	1	137	20.16			20.0	0.0	
100	QPSK	1	271	20.18	20.18				
100	QPSK	36	49	20.20			20.0	0.0	
100	QPSK	136	5	20.22	20.22		20.0	0.0	
100	QPSK	136	138	20.23			20.0	0.0	
100	QPSK	200	5	20.25	20.25		20.0	0.0	
100	QPSK	1	1	20.26					
100	QPSK	1	137	20.27			20.0	0.0	
100	QPSK	1	271	20.29	20.29				
100	QPSK	36	49	20.31			20.0	0.0	
100	QPSK	136	5	20.33	20.33		20.0	0.0	
100	QPSK	136	138	20.34			20.0	0.0	
100	QPSK	200	5	20.36	20.36		20.0	0.0	
100	QPSK	1	1	20.37					
100	QPSK	1	137	20.38			20.0	0.0	
100	QPSK	1	271	20.40	20.40				
100	QPSK	36	49	20.42			20.0	0.0	
100	QPSK	136	5	20.44	20.44		20.0	0.0	
100	QPSK	136	138	20.45			20.0	0.0	
100	QPSK	200	5	20.47	20.47		20.0	0.0	
100	QPSK	1	1	20.48					
100	QPSK	1	137	20.49			20.0	0.0	
100	QPSK	1	271	20.51	20.51				
100	QPSK	36	49	20.53			20.0	0.0	
100	QPSK	136	5	20.55	20.55		20.0	0.0	
100	QPSK	136	138	20.56			20.0	0.0	
100	QPSK	200	5	20.58	20.58		20.0	0.0	
100	QPSK	1	1	20.59					
100	QPSK	1	137	20.60			20.0	0.0	
100	QPSK	1	271	20.62	20.62				
100	QPSK	36	49	20.64			20.0	0.0	
100	QPSK	136	5	20.66	20.66		20.0	0.0	
100	QPSK	136	138	20.67			20.0	0.0	
100	QPSK	200	5	20.69	20.69		20.0	0.0	
100	QPSK	1	1	20.70					
100	QPSK	1	137	20.71			20.0	0.0	
100	QPSK	1	271	20.73	20.73				
100	QPSK	36	49	20.75			20.0	0.0	
100	QPSK	136	5	20.77	20.77		20.0	0.0	
100	QPSK	136	138	20.78			20.0	0.0	
100	QPSK	200	5	20.80	20.80		20.0	0.0	
100	QPSK	1	1	20.81					
100	QPSK	1	137	20.82			20.0	0.0	
100	QPSK	1	271	20.84	20.84				
100	QPSK	36	49	20.86			20.0	0.0	
100	QPSK	136	5	20.88	20.88		20.0	0.0	
100	QPSK	136	138	20.89			20.0	0.0	
100	QPSK	200	5	20.91	20.91		20.0	0.0	
100	QPSK	1	1	20.92					
100	QPSK	1	137	20.93			20.0	0.0	
100	QPSK	1	271	20.95	20.95				
100	QPSK	36	49	20.97			20.0	0.0	
100	QPSK	136	5	20.99	20.99		20.0	0.0	
100	QPSK	136	138	21.00			20.0	0.0	
100	QPSK	200	5	21.02	21.02		20.0	0.0	
100	QPSK	1	1	21.03					
100	QPSK	1	137	21.04			20.0	0.0	
100	QPSK	1	271	21.06	21.06				
100	QPSK	36	49	21.08			20.0	0.0	
100	QPSK	136	5	21.10	21.10		20.0	0.0	
100	QPSK	136	138	21.11			20.0	0.0	

Reduced Power Mode for ECI 12

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	21.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	19.44	19.58	19.37		
20	PI2 BPSK	1	53	19.46	19.40	19.43	21.0	0.0
20	PI2 BPSK	1	104	19.40	19.54	19.41		
20	PI2 BPSK	50	0	19.48	19.52	19.57		
20	PI2 BPSK	50	28	19.48	19.40	19.38	21.0	0.0
20	PI2 BPSK	50	56	19.33	19.44	19.37		
20	PI2 BPSK	100	0	19.47	19.57	19.51		
20	QPSK	1	1	19.55	19.63	19.55	21.0	0.0
20	QPSK	1	53	19.45	19.46	19.41		
20	QPSK	1	104	19.50	19.57	19.57		
20	QPSK	50	0	19.35	19.44	19.32	21.0	0.0
20	QPSK	50	28	19.35	19.56	19.56		
20	QPSK	50	56	19.44	19.54	19.39		
20	QPSK	100	0	19.48	19.54	19.45	21.0	0.0
20	16QAM	1	1	19.50	19.41	19.50		
20	64QAM	1	1	19.40	19.48	19.45		
20	256QAM	1	1	19.53	19.56	19.57	20.0	1.0
Channel				371500	376000	380500		
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	19.49	19.57	19.50	21.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1900		
10	QPSK	1	1	19.45	19.53	19.53	21.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	19.51	19.57	19.52	21.0	0.0

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68		
20	PI2 BPSK	1	53	22.68	22.64	22.53	24.0	0.5
20	PI2 BPSK	1	104	22.71	22.75	22.67		
20	PI2 BPSK	50	0	22.21	22.21	22.05		
20	PI2 BPSK	50	28	22.58	22.66	22.65	24.0	0.5
20	PI2 BPSK	50	56	22.05	22.25	22.17		
20	PI2 BPSK	100	0	22.24	22.19	22.16		
20	QPSK	1	1	22.67	22.50	22.75	24.5	0.0
20	QPSK	1	53	22.67	22.79	22.66		
20	QPSK	1	104	22.74	22.62	22.71		
20	QPSK	50	0	21.56	21.63	21.56	23.5	1.0
20	QPSK	50	28	21.56	22.62	22.57		
20	QPSK	50	56	21.70	21.68	21.76		
20	QPSK	100	0	21.63	21.76	21.69	23.5	1.0
20	16QAM	1	1	21.55	21.58	21.53		
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	22.86	22.88	22.84	24.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1900		
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	22.83	22.62	22.75	24.5	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	16.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	14.69	14.98	14.89		
20	PI2 BPSK	1	53	14.81	14.82	14.89	16.5	0.0
20	PI2 BPSK	1	104	14.73	14.90	14.85		
20	PI2 BPSK	50	0	14.76	14.92	14.84		
20	PI2 BPSK	50	28	14.71	14.89	14.82	16.5	0.0
20	PI2 BPSK	50	56	14.86	14.80	14.83		
20	PI2 BPSK	100	0	14.71	14.89	14.91		
20	QPSK	1	1	14.55	15.00	14.97	16.5	0.0
20	QPSK	1	53	14.77	14.88	14.83		
20	QPSK	1	104	14.74	14.91	14.93		
20	QPSK	50	0	14.83	14.79	14.76	16.5	0.0
20	QPSK	50	28	14.88	14.96	14.92		
20	QPSK	50	56	14.76	14.90	14.79		
20	QPSK	100	0	14.82	14.85	14.80	16.5	0.0
20	16QAM	1	1	14.80	14.88	14.84		
20	64QAM	1	1	14.79	14.92	14.73		
20	256QAM	1	1	14.71	14.85	14.88	16.5	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	14.90	14.89	14.85	16.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1900		
10	QPSK	1	1	14.80	14.87	14.93	16.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	14.82	14.95	14.84	16.5	0.0

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0	
20	PI2 BPSK	1	53	23.49	23.56	23.56			
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5	
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.00	22.94			
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0	
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0	
20	QPSK	50	0	22.56	22.71	22.59			
20	QPSK	50	28	21.46	21.52	21.44			
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42			
20	16QAM	1	1	22.36	22.53	22.45	24.0	1.0	
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.66	23.48	25.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	21.32	21.44	21.32	23.0	0.0	
20	PI2 BPSK	1	53	21.51	21.52	21.26			
20	PI2 BPSK	1	104	21.43	21.45	21.34			
20	PI2 BPSK	50	0	21.38	21.39	21.33	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.52	21.48	23.0	0.0	
20	PI2 BPSK	50	56	21.43	21.38	21.35	23.0	0.0	
20	PI2 BPSK	100	0	21.43	21.39	21.40			
20	QPSK	1	1	21.54	21.58	21.50			
20	QPSK	1	53	21.37	21.46	21.51	23.0	0.0	
20	QPSK	1	104	21.38	21.46	21.38	23.0	0.0	
20	QPSK	50	0	21.32	21.37	21.41			
20	QPSK	50	28	21.46	21.52	21.46			
20	QPSK	50	56	21.12	21.30	21.15	23.0	0.0	
20	QPSK	100	0	21.42	21.47	21.40			
20	16QAM	1	1	21.44	21.37	21.43	23.0	0.0	
20	64QAM	1	1	20.89	20.96	20.89	22.5	0.5	
20	256QAM	1	1	19.39	19.42	19.27	20.5	2.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.35	21.38	21.45	23.0	0.0	
Channel				165900	167300	168500	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.41	21.38	21.37	23.0	0.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.37	21.49	21.33	23.0	0.0	

n7_Ant 1

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				25.15	25.35	25.60		
20	PI2 BPSK	1	1	14.99	15.08	14.88	16.5	0.0
20	PI2 BPSK	1	53	14.92	15.06	14.89		
20	PI2 BPSK	1	104	14.89	14.97	14.92		
20	PI2 BPSK	50	0	14.87	14.98	15.02	16.5	0.0
20	PI2 BPSK	50	28	14.97	14.97	14.85	16.5	0.0
20	PI2 BPSK	50	56	14.97	14.97	14.89	16.5	0.0
20	PI2 BPSK	100	0	14.93	15.00	15.06	16.5	0.0
20	QPSK	1	1	15.10	15.13	15.05		
20	QPSK	1	53	14.94	14.94	14.97		
20	QPSK	1	104	15.02	14.93	14.89	16.5	0.0
20	QPSK	50	0	15.05	15.10	14.97	16.5	0.0
20	QPSK	50	28	15.08	15.11	14.96	16.5	0.0
20	QPSK	50	56	15.00	14.92	14.87	16.5	0.0
20	QPSK	100	0	14.93	14.95	14.89	16.5	0.0
20	16QAM	1	1	14.93	15.00	14.96		
20	64QAM	1	1	14.90	14.95	14.91		
20	256QAM	1	1	15.03	15.01	14.96	16.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.06	15.05	14.96	16.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.07	15.07	14.83	16.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.97	15.10	14.88	16.5	0.0

n7_Ant 2

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				25.10	25.35	25.60		
20	PI2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0
20	PI2 BPSK	1	53	23.01	23.06	23.09		
20	PI2 BPSK	1	104	23.04	23.17	23.00		
20	PI2 BPSK	50	0	22.98	22.61	22.46	24.0	0.5
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI2 BPSK	50	56	22.85	22.63	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.90	22.36	22.49		
20	QPSK	1	1	23.11	23.20	23.15		
20	QPSK	1	53	23.06	23.13	23.05	24.5	0.0
20	QPSK	1	104	22.95	23.19	23.11	23.5	1.0
20	QPSK	50	0	22.20	22.23	22.11		
20	QPSK	50	28	22.76	23.05	23.03		
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97		
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502	2535	2565		
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				25.15	25.35	25.60		
20	PI2 BPSK	1	1	15.33	15.55	15.38	17.0	0.0
20	PI2 BPSK	1	53	15.32	15.44	15.44		
20	PI2 BPSK	1	104	15.33	15.48	15.30		
20	PI2 BPSK	50	0	15.43	15.42	15.40	17.0	0.0
20	PI2 BPSK	50	28	15.27	15.31	15.29	17.0	0.0
20	PI2 BPSK	50	56	15.44	15.40	15.44	17.0	0.0
20	PI2 BPSK	100	0	15.38	15.42	15.40		
20	QPSK	1	1	15.35	15.37	15.45		
20	QPSK	1	53	15.33	15.43	15.41	17.0	0.0
20	QPSK	1	104	15.32	15.53	15.34	17.0	0.0
20	QPSK	50	0	15.33	15.54	15.34		
20	QPSK	50	28	15.45	15.55	15.43		
20	QPSK	50	56	15.21	15.42	15.38	17.0	0.0
20	QPSK	100	0	15.37	15.43	15.40	17.0	0.0
20	16QAM	1	1	15.32	15.47	15.35		
20	64QAM	1	1	15.31	15.41	15.39		
20	256QAM	1	1	15.45	15.50	15.32	17.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.40	15.54	15.34	17.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.42	15.47	15.33	17.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.34	15.56	15.40	17.0	0.0

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.5	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI2 BPSK	1	40	23.06	23.17	23.07			
15	PI2 BPSK	1	77	23.28	23.20	23.12			
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5	
15	PI2 BPSK	36	22	23.05	23.18	23.29	24.5	0.0	
15	PI2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5	
15	PI2 BPSK	75	0	22.56	22.75	22.50	24.5	0.0	
15	QPSK	1	1	23.26	23.30	23.21			
15	QPSK	1	40	23.20	23.13	23.08			
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.06	22.00	23.5	1.0	
15	QPSK	36	22	23.25	23.29	23.15	24.5	0.0	
15	QPSK	36	43	22.08	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.06	23.5	1.0	
15	16QAM	1	1	21.87	21.95	21.90			
15	64QAM	1	1	20.48	20.59	20.38			
15	256QAM	1	1	19.10	19.04	19.07	20.0	4.5	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.5	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.5	0.0	
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0	

n12_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.5	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.11	23.26	23.19			
15	PI2 BPSK	1	77	23.30	23.31	23.17			
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5	
15	PI2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0	
15	PI2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5	
15	PI2 BPSK	75	0	22.66	22.80	22.67	24.5	0.0	
15	QPSK	1	1	23.26	23.36	23.24			
15	QPSK	1	40	23.26	23.26	23.19			
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0	
15	QPSK	36	0	22.09	22.12	22.09	23.5	1.0	
15	QPSK	36	22	23.25	23.30	23.24	24.5	0.0	
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0	
15	16QAM	1	1	21.97	22.10	22.02			
15	64QAM	1	1	20.59	20.60	20.48			
15	256QAM	1	1	19.12	19.18	19.16	20.0	4.5	
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.5 <td colspan="2">0.0</td>	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5 <th>707.5</th> <th>713.5</th> <th>24.5<td colspan="2">0.0</td></th>	707.5	713.5	24.5 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	

n66_Ant 1

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	20.11	20.08	20.11	21.5	0.0
30	PI2 BPSK	1	80	20.09	20.11	20.19		
30	PI2 BPSK	1	158	20.17	20.19	20.11		
30	PI2 BPSK	80	0	20.07	20.23	20.01	21.5	0.0
30	PI2 BPSK	80	40	20.01	20.15	20.10	21.5	0.0
30	PI2 BPSK	80	80	20.11	20.15	20.11	21.5	0.0
30	PI2 BPSK	160	0	20.01	20.10	20.07	21.5	0.0
30	QPSK	1	1	20.24	20.31	20.27		
30	QPSK	1	80	20.06	20.20	20.05		
30	QPSK	1	158	20.06	20.11	20.14	21.5	0.0
30	QPSK	80	0	20.08	20.09	20.18		
30	QPSK	80	40	20.20	20.26	20.23		
30	QPSK	80	80	20.15	20.21	20.12	21.5	0.0
30	QPSK	160	0	20.13	20.22	20.15	21.5	0.0
30	16QAM	1	1	20.08	20.26	20.18		
30	64QAM	1	1	20.12	20.23	20.08		
30	256QAM	1	1	19.92	19.95	19.96	20.0	1.5
Channel				344000	349000	349000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.19	20.22	20.14	21.5	0.0
Channel				343000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1713.5	1745	1772.5		
15	QPSK	1	1	20.11	20.18	20.25	21.5	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.19	20.24	20.19	21.5	0.0
Channel				342000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.11	20.24	20.12	21.5	0.0

n66_Ant 2

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.86	22.61	22.59	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.88	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.46	22.36	22.32		
30	QPSK	1	1	23.17	23.27	23.12		
30	QPSK	1	80	23.15	23.21	23.06	24.5	0.0
30	QPSK	1	158	23.08	23.18	23.08	23.5	1.0
30	QPSK	80	0	22.15	22.17	22.20		
30	QPSK	80	40	23.06	23.21	23.13		
30	QPSK	80	80	22.95	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.19	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.86	21.82		
30	64QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1713.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	16.31	16.35	16.25	18.0	0.0
30	PI2 BPSK	1	80	16.36	16.26	16.24		
30	PI2 BPSK	1	158	16.20	16.28	16.26		
30	PI2 BPSK	80	0	16.28	16.25	16.27	18.0	0.0
30	PI2 BPSK	80	40	16.25	16.28	16.24	18.0	0.0
30	PI2 BPSK	80	80	16.27	16.26	16.24	18.0	0.0
30	PI2 BPSK	160	0	16.26	16.36	16.21		
30	QPSK	1	1	16.32	16.40	16.31		
30	QPSK	1	80	16.22	16.16	16.21	18.0	0.0
30	QPSK	1	158	16.22	16.29	16.22	18.0	0.0
30	QPSK	80	0	16.25	16.16	16.23		
30	QPSK	80	40	16.35	16.37	16.32		
30	QPSK	80	80	16.26	16.25	16.31	18.0	0.0
30	QPSK	160	0	16.34	16.35	16.22	18.0	0.0
30	16QAM	1	1	16.34	16.29	16.24		
30	64QAM	1	1	16.26	16.22	16.13		
30	256QAM	1	1	16.32	16.33	16.18	18.0	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.25	16.35	16.31	18.0	0.0
Channel				343000	349000	354000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1713.5	1745	1772.5		
15	QPSK	1	1	16.29	16.29	16.33	18.0	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.20	16.31	16.31	18.0	0.0
Channel				342000	349000	355000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.24	16.33	16.23	18.0	0.0

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10			
15	PI2 BPSK	36	0	22.67	22.71	22.59	24.0	0.5	
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.77			
15	QPSK	1	1	23.25	23.28	23.27	24.5	0.0	
15	QPSK	1	40	23.17	23.25	23.18			
15	QPSK	1	77	23.07	23.13	23.10			
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0	
15	QPSK	36	22	23.15	23.25	23.16	24.5	0.0	
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06			
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.51	20.55	20.37	22.0	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133000	136100	138000	Tune-up limit	MPR	
Frequency (MHz)				668	680.5	693	(dBm)	(dB)	
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0	
Channel				133100	136100	138100	Tune-up limit	MPR	
Frequency (MHz)				669.5	680.5	692.5	(dBm)	(dB)	
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Medu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				676.5	680.5	690.5			
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI2 BPSK	1	40	23.18	23.21	23.13			
15	PI2 BPSK	1	77	23.20	23.26	23.13			
15	PI2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.23	23.29	23.12	24.5	0.0	
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5	
15	PI2 BPSK	75	0	22.73	22.80	22.62			
15	QPSK	1	1	23.30	23.35	23.25	24.5	0.0	
15	QPSK	1	40	23.26	23.32	23.22			
15	QPSK	1	77	23.16	23.28	23.16			
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0	
15	QPSK	36	22	23.21	23.28	23.23	24.5	0.0	
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.19	22.16			
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0	
15	64QAM	1	1	20.60	20.63	20.48	22.0	2.5	
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.31	23.28	23.27	24.5	0.0	
Channel				133100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669.5	680.5	690.5			
5	QPSK	1	1	23.30	23.29	23.19	24.5	0.0	

n38_Ant 1												
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch/Freq	Power Mean Ch/Freq	Power High Ch/Freq	Time-gap interval (ms)	MPT				
Channel												
				2100.12	2100.12	2100.12						
Frequency (MHz)												
40	PUSC BPSK	1	1	14.84	14.84	14.73	16.5	0.0				
40	PUSC BPSK	1	33	14.84	14.84	14.87						
40	PUSC BPSK	1	104	14.90	14.93	14.88						
40	PUSC BPSK	90	0	14.86	14.85	14.78						
40	PUSC BPSK	90	28	14.93	14.93	14.92						
40	PUSC BPSK	90	56	14.91	14.88	14.78	16.5	0.0				
40	PUSC BPSK	90	84	14.88	14.85	14.71						
40	QPSK	1	1	14.93	14.98	14.97						
40	QPSK	1	33	14.87	14.94	14.82						
40	QPSK	1	104	14.92	14.87	14.88						
40	QPSK	90	0	14.85	14.88	14.84	16.5	0.0				
40	QPSK	90	28	14.93	14.93	14.92						
40	QPSK	90	56	14.88	14.90	14.87						
40	QPSK	90	84	14.89	14.92	14.81						
40	QPSK	1	1	14.76	14.88	14.82						
40	QPSK	1	1	14.91	14.89	14.81	16.5	0.0				
40	QPSK	1	33	14.87	14.96	14.85						
40	QPSK	1	104	14.79	14.96	14.80						
40	QPSK	90	0	14.85	14.88	14.84						
40	QPSK	90	28	14.93	14.93	14.92						
Report												
Frequency (MHz)				2100.01	2100.01	2100.01						
30	QPSK	1	1	14.91	14.94	14.82	16.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	14.87	14.95	14.77						
30	QPSK	1	1	14.87	14.95	14.77						

n38_Ant 2												
BW (MHz)	Modulation	RB Desc	SB Offset	Power Floor Ch. 1 Freq.	Power Mean Ch. 1 Freq.	Power Peak Ch. 1 Freq.	Timegap (ms)	MPT (dB)				
Channel												
				1938.04	1938.04	1938.08						
Frequency (MHz)												
40	PUSC BPSK	1	1	23.19	23.22	23.28	24.5	0.0				
40	PUSC BPSK	1	33	23.42	23.45	23.42						
40	PUSC BPSK	1	104	23.42	23.31	23.28						
40	PUSC BPSK	90	0	22.81	22.82	22.82						
40	PUSC BPSK	90	28	23.35	23.37	23.42						
40	PUSC BPSK	90	56	22.89	22.88	22.85	24.0	0.0				
40	PUSC BPSK	90	84	22.98	23.01	22.94						
40	QPSK	1	1	23.43	23.37	23.31						
40	QPSK	1	33	23.29	23.35	23.42						
40	QPSK	1	104	23.43	23.33	23.31						
40	QPSK	90	0	22.25	22.32	22.30	24.5	1.0				
40	QPSK	90	28	23.23	23.24	23.23						
40	QPSK	90	56	22.97	23.06	23.23						
40	QPSK	90	84	22.99	23.20	23.28						
40	QPSK	1	1	21.87	21.84	22.01						
40	QPSK	1	1	20.92	20.92	20.92	25.0	2.5				
40	QPSK	1	33	20.92	20.92	20.92						
40	QPSK	1	104	18.10	18.14	18.10						
40	QPSK	90	0	21.71	21.69	21.69						
40	QPSK	90	28	22.97	23.06	23.23						
Report												
Frequency (MHz)				2100.01	2100.01	2100.01						
30	QPSK	1	1	23.24	23.25	23.42	24.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	23.26	23.35	23.41						
30	QPSK	1	1	23.26	23.35	23.41						

n38_Ant 4												
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (2.5 Freq)	Power Mean (2.5 Freq)	Power High (2.5 Freq)	Timegap (ms) (dBm)	MPT (dB)				
Channel				2100.12	2100.12	2100.12						
Frequency (MHz)												
40	PUSC BPSK	1	1	15.82	15.82	15.77	17.5	0.0				
40	PUSC BPSK	1	33	15.82	15.77	15.82						
40	PUSC BPSK	1	104	15.82	15.86	15.82						
40	PUSC BPSK	90	0	15.81	15.81	15.74						
40	PUSC BPSK	90	28	15.88	15.82	15.88						
40	PUSC BPSK	90	56	15.80	15.80	15.72	17.5	0.0				
40	PUSC BPSK	90	84	15.78	15.80	15.71						
40	QPSK	1	1	15.73	15.98	15.71						
40	QPSK	1	33	15.69	15.89	15.72						
40	QPSK	1	104	15.78	15.85	15.87						
40	QPSK	90	0	15.62	15.88	15.88	17.5	0.0				
40	QPSK	90	28	15.76	15.94	15.88						
40	QPSK	90	56	15.79	15.79	15.88						
40	QPSK	90	84	15.74	15.85	15.81						
40	QPSK	1	1	15.71	15.73	15.80						
40	QPSK	1	1	15.75	15.79	15.81	17.5	0.0				
40	QPSK	1	33	15.71	15.87	15.76						
40	QPSK	1	104	15.71	15.87	15.76						
40	QPSK	90	0	15.71	15.87	15.76						
40	QPSK	90	28	15.71	15.87	15.76						
Report												
Frequency (MHz)				2100.01	2100.01	2100.01						
30	QPSK	1	1	15.72	15.96	15.88	17.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	15.77	15.91	15.88						
30	QPSK	1	1	15.77	15.91	15.88						

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C1, Freq)	Power Max (C1, Freq)	Power High (C2, Freq)	Turnup (m)	dBm	MPT (dB)
Channel				2500.00	5.0000	2500.00			
Frequency (MHz)				2500.01	2500.99	2500			
100	PSS-BPSK	1	1	14.80	14.80	14.80			
100	PSS-BPSK	1	137	14.80	14.80	14.80			
100	PSS-BPSK	1	271	14.80	14.80	14.80	16.5	0.0	
100	PSS-BPSK	155	0	14.80	14.80	14.80			
100	PSS-BPSK	155	95	14.80	14.80	14.80	16.5	0.0	
100	PSS-BPSK	155	138	14.80	14.70	14.70	16.5	0.0	
100	PSS-BPSK	270	0	14.80	14.80	14.80			
100	QPSK	1	1	15.00	15.00	15.00			
100	QPSK	1	137	14.81	14.74	14.87	16.5	0.0	
100	QPSK	1	271	14.80	14.80	14.81			
100	QPSK	155	0	14.80	14.74	14.80	16.5	0.0	
100	QPSK	155	95	14.80	14.80	14.80	16.5	0.0	
100	QPSK	155	138	14.80	14.77	14.70	16.5	0.0	
100	QPSK	270	0	14.80	14.80	14.70			
100	QPSK	1	1	14.80	14.70	14.70	16.5	0.0	
100	QPSK	1	1	14.87	14.70	14.70	16.5	0.0	
100	QPSK	1	1	14.80	14.70	14.60	16.5	0.0	
Channel									
Frequency (MHz)				2501	2502.99	2504.00			
Channel				2501.01	2501.99	2502.00			
50	QPSK	1	1	14.97	14.70	14.70	16.5	0.0	
Channel				2502.01	2502.99	2503.00			
Frequency (MHz)				2502.01	2502.99	2503.00			
80	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2503.01	2503.99	2504.00			
Frequency (MHz)				2503.01	2503.99	2504.00			
70	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2504.01	2504.99	2505.00			
Frequency (MHz)				2504.01	2504.99	2505.00			
60	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2505.01	2505.99	2506.00			
Frequency (MHz)				2505.01	2505.99	2506.00			
50	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2506.01	2506.99	2507.00			
Frequency (MHz)				2506.01	2506.99	2507.00			
40	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2507.01	2507.99	2508.00			
Frequency (MHz)				2507.01	2507.99	2508.00			
30	QPSK	1	1	14.80	14.80	14.80	16.5	0.0	
Channel				2508.01	2508.99	2509.00			
Frequency (MHz)				2508.01	2508.99	2509.00			
20	QPSK	1	1	14.87	14.80	14.80	16.5	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C1, Freq)	Power Max (C1, Freq)	Power High (C2, Freq)	Turnup (m)	dBm	MPT (dB)
Channel				2500.00	5.0000	2500.00			
Frequency (MHz)				2500.01	2500.99	2500			
100	PSS-BPSK	1	1	24.70	24.67	24.60			
100	PSS-BPSK	1	137	24.60	24.71	24.70	26.0	0.0	
100	PSS-BPSK	1	271	24.70	24.50	24.60			
100	PSS-BPSK	155	0	24.60	24.12	24.10	26.0	0.0	
100	PSS-BPSK	155	95	24.50	24.50	24.70	26.0	0.0	
100	PSS-BPSK	155	138	24.04	24.10	24.10	26.0	0.0	
100	PSS-BPSK	270	0	24.00	24.60	24.60			
100	QPSK	1	1	24.00	24.70	24.70			
100	QPSK	1	137	24.60	24.60	24.60	26.0	0.0	
100	QPSK	1	271	24.70	24.50	24.60			
100	QPSK	155	0	24.60	24.62	24.60	26.0	1.0	
100	QPSK	155	95	24.70	24.60	24.60	26.0	0.0	
100	QPSK	155	138	24.50	24.60	24.60	26.0	1.0	
100	QPSK	270	0	24.00	24.50	24.60			
100	QPSK	1	1	24.50	24.60	24.60	26.0	1.0	
100	QPSK	1	1	24.04	24.60	24.60	26.0	1.0	
100	QPSK	1	1	24.00	24.60	24.70	26.0	1.0	
100	QPSK	1	1	24.00	24.60	24.70	26.0	1.0	
Channel									
Frequency (MHz)				2501	2502.99	2504.00			
Channel				2501.01	2501.99	2502.00			
50	QPSK	1	1	24.60	24.60	24.70	26.0	0.0	
Channel				2502.01	2502.99	2503.00			
Frequency (MHz)				2502.01	2502.99	2503.00			
80	QPSK	1	1	24.70	24.60	24.60	26.0	0.0	
Channel				2503.01	2503.99	2504.00			
Frequency (MHz)				2503.01	2503.99	2504.00			
70	QPSK	1	1	24.60	24.60	24.60	26.0	0.0	
Channel				2504.01	2504.99	2505.00			
Frequency (MHz)				2504.01	2504.99	2505.00			
60	QPSK	1	1	24.60	24.60	24.60	26.0	0.0	
Channel				2505.01	2505.99	2506.00			
Frequency (MHz)				2505.01	2505.99	2506.00			
50	QPSK	1	1	24.60	24.60	24.60	26.0	0.0	
Channel				2506.01	2506.99	2507.00			
Frequency (MHz)				2506.01	2506.99	2507.00			
40	QPSK	1	1	24.60	24.60	24.60	26.0	0.0	
Channel				2507.01	2507.99	2508.00			
Frequency (MHz)				2507.01	2507.99	2508.00			
30	QPSK	1	1	24.60	24.60	24.60	26.0	0.0	
Channel				2508.01	2508.99	2509.00			
Frequency (MHz)				2508.01	2508.99	2509.00			
20	QPSK	1	1	24.71	24.60	24.60	26.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C1, Freq)	Power Max (C1, Freq)	Power High (C2, Freq)	Turnup (m)	dBm	MPT (dB)
Channel				2500.00	5.0000	2500.00			
Frequency (MHz)				2500.01	2500.99	2500			
100	PSS-BPSK	1	1	15.01	15.00	15.00			
100	PSS-BPSK	1	137	15.00	15.00	15.00	17.5	0.0	
100	PSS-BPSK	1	271	15.00	15.00	15.00			
100	PSS-BPSK	155	0	15.00	15.00	15.00	17.5	0.0	
100	PSS-BPSK	155	95	15.00	15.00	15.00	17.5	0.0	
100	PSS-BPSK	155	138	15.00	15.00	15.00	17.5	0.0	
100	PSS-BPSK	270	0	15.00	15.00	15.00			
100	QPSK	1	1	15.00	15.00	15.00			
100	QPSK	1	137	15.00	15.00	15.00	17.5	0.0	
100	QPSK	1	271	15.00	15.00	15.00			
100	QPSK	155	0	15.00	15.00	15.00	17.5	0.0	
100	QPSK	155	95	15.00	15.00	15.00	17.5	0.0	
100	QPSK	155	138	15.00	15.00	15.00	17.5	0.0	
100	QPSK	270	0	15.00	15.00	15.00			
100	QPSK	1	1	15.01	15.00	15.00	17.5	0.0	
100	QPSK	1	1	15.00	15.00	15.00	17.5	0.0	
100	QPSK	1	1	15.00	15.00	15.00	17.5	0.0	
Channel									
Frequency (MHz)				2501	2502.99	2504.00			
Channel				2501.01	2501.99	2502.00			
50	QPSK	1	1	15.07	15.01	15.00	17.5	0.0	
Channel				2502.01	2502.99	2503.00			
Frequency (MHz)				2502.01	2502.99	2503.00			
80	QPSK	1	1	15.01	15.00	15.00	17.5	0.0	
Channel				2503.01	2503.99	2504.00			
Frequency (MHz)				2503.01	2503.99	2504.00			
70	QPSK	1	1	15.00	15.00	15.00	17.5	0.0	
Channel				2504.01	2504.99	2505.00			
Frequency (MHz)				2504.01	2504.99	2505.00			
60	QPSK	1	1	15.00	15.00	15.00	17.5	0.0	
Channel				2505.01	2505.99	2506.00			
Frequency (MHz)				2505.01	2505.99	2506.00			
50	QPSK	1	1	15.00	15.00	15.00	17.5	0.0	
Channel				2506.01	2506.99	2507.00			
Frequency (MHz)				2506.01	2506.99	2507.00			
40	QPSK	1	1	15.07	15.00	15.00	17.5	0.0	
Channel				2507.01	2507.99	2508.00			
Frequency (MHz)				2507.01	2507.99	2508.00			
30	QPSK	1	1	15.01	15.00	15.00	17.5	0.0	
Channel				2508.01	2508.99	2509.00			
Frequency (MHz)				2508.01	2508.99	2509.00			
20	QPSK	1	1	15.01	15.00	15.00	17.5	0.0	

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [F/mW]	Power Max Ch. [F/mW]	Power High Ch. [F/mW]	Turn-on Int. [dBm]	MPT [dB]	
Channel				63032	3489.98				
Frequency [MHz]									
100	P12-BPSK	1	1	58.15	58.15	58.15			
100	P12-BPSK	1	137	58.32	58.32	58.32	17.0	0.0	
100	P12-BPSK	1	271	58.38	58.38	58.38			
100	P12-BPSK	156	0	58.49	58.49	58.49	17.0	0.0	
100	P12-BPSK	156	95	58.43	58.43	58.43	17.0	0.0	
100	P12-BPSK	156	138	58.52	58.52	58.52	17.0	0.0	
100	P12-BPSK	270	0	58.55	58.55	58.55			
100	QPSK	1	1	58.59	58.59	58.59			
100	QPSK	1	137	58.26	58.26	58.26	17.0	0.0	
100	QPSK	1	271	58.26	58.26	58.26			
100	QPSK	156	0	58.23	58.23	58.23	17.0	0.0	
100	QPSK	156	95	58.28	58.28	58.28	17.0	0.0	
100	QPSK	156	138	58.19	58.19	58.19	17.0	0.0	
100	QPSK	270	0	58.25	58.25	58.25			
100	QAM	1	1	58.24	58.24	58.24	17.0	0.0	
100	QAM	1	1	58.26	58.26	58.26	17.0	0.0	
100	QAM	1	1	58.26	58.26	58.26	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.21	58.21	58.21	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24	17.0	0.0	
Channel				63032	3489.98	63032			
Frequency [MHz]									
50	QPSK	1	1	58.24	58.24	58.24			

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [F/mW]	Power Max Ch. [F/mW]	Power High Ch. [F/mW]	Turn-on Int. [dBm]	MPT [dB]	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
100	P12-BPSK	1	1	58.11	58.11	58.11			
100	P12-BPSK	1	137	58.25	58.25	58.25	17.0	0.0	
100	P12-BPSK	1	271	58.04	58.11	58.05			
100	P12-BPSK	156	0	58.16	58.07	58.07	17.0	0.0	
100	P12-BPSK	156	95	58.04	58.05	58.07	17.0	0.0	
100	P12-BPSK	156	138	58.05	58.03	58.02	17.0	0.0	
100	P12-BPSK	270	0	58.08	58.02	58.06			
100	QPSK	1	1	58.13	58.26	58.15			
100	QPSK	1	137	58.08	58.08	58.07	17.0	0.0	
100	QPSK	1	271	58.04	58.02	58.05			
100	QPSK	156	0	58.06	58.14	58.07	17.0	0.0	
100	QPSK	156	95	58.15	58.15	58.15	17.0	0.0	
100	QPSK	156	138	58.05	58.07	58.05	17.0	0.0	
100	QPSK	270	0	58.04	58.05	58.04			
100	QAM	1	1	58.02	58.15	58.15	17.0	0.0	
100	QAM	1	1	58.05	58.11	58.05	17.0	0.0	
100	QAM	1	1	58.05	58.12	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.09	58.15	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.02	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.05	17.0	0.0	
Channel									
				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.05	58.05	58.05	17.0	0.0	

Part27Q_n77_Ant_3									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [F/mW]	Power Max Ch. [F/mW]	Power High Ch. [F/mW]	Turn-on Int. [dBm]	MPT [dB]	
Channel				63032	3489.98				
Frequency [MHz]									
100	P12-BPSK	1	1	58.30	58.30	58.30			
100	P12-BPSK	1	137	58.41	58.41	58.41	14.5	0.0	
100	P12-BPSK	1	271	58.37	58.37	58.37			
100	P12-BPSK	156	0	58.44	58.44	58.44	14.5	0.0	
100	P12-BPSK	156	95	58.45	58.45	58.45	14.5	0.0	
100	P12-BPSK	156	138	58.40	58.40	58.40	14.5	0.0	
100	P12-BPSK	270	0	58.52	58.52	58.52			
100	QPSK	1	1	58.35	58.35	58.35			
100	QPSK	1	137	58.35	58.35	58.35	14.5	0.0	
100	QPSK	1	271	58.37	58.37	58.37			
100	QPSK	156	0	58.37	58.37	58.37	14.5	0.0	
100	QPSK	156	95	58.38	58.38	58.38	14.5	0.0	
100	QPSK	156	138	58.35	58.35	58.35	14.5	0.0	
100	QPSK	270	0	58.50	58.50	58.50			
100	QAM	1	1	58.32	58.32	58.32	14.5	0.0	
100	QAM	1	1	58.35	58.35	58.35	14.5	0.0	
100	QAM	1	1	58.45	58.45	58.45	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.31	58.31	58.31	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.35	58.3				

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Size	SB Offset	Power Low Ch. [F/mW]	Power Max Ch. [F/mW]	Power High Ch. [F/mW]	Turn-on Int. [dBm]	MPT [dB]	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
100	P12-BPSK	1	1	58.37	58.38	58.38			
100	P12-BPSK	1	137	58.47	58.48	58.49	14.5	0.0	
100	P12-BPSK	1	271	58.39	58.38	58.37			
100	P12-BPSK	156	0	58.46	58.49	58.52	14.5	0.0	
100	P12-BPSK	156	95	58.53	58.51	58.52	14.5	0.0	
100	P12-BPSK	156	138	58.49	58.51	58.45	14.5	0.0	
100	P12-BPSK	270	0	58.45	58.46	58.41			
100	QPSK	1	1	58.35	58.37	58.35			
100	QPSK	1	137	58.31	58.34	58.34	14.5	0.0	
100	QPSK	1	271	58.37	58.35	58.37			
100	QPSK	156	0	58.46	58.46	58.45	14.5	0.0	
100	QPSK	156	95	58.52	58.52	58.52	14.5	0.0	
100	QPSK	156	138	58.52	58.52	58.52	14.5	0.0	
100	QPSK	270	0	58.54	58.52	58.52	14.5	0.0	
100	QAM	1	1	58.52	58.58	58.52	14.5	0.0	
100	QAM	1	1	58.57	58.55	58.55	14.5	0.0	
100	QAM	1	1	58.45	58.54	58.45	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.37	58.35	58.35	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
50	QPSK	1	1	58.36	58.36	58.31	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
40	QPSK	1	1	58.38	58.39	58.32	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
30	QPSK	1	1	58.36	58.36	58.31	14.5	0.0	
Channel				63032	3489.98	3489.98			
Frequency [MHz]									
20	QPSK	1	1	58.33	58.35	58.31	14.5	0.0	

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [Fem]	Power Max Ch. [Fem]	Power High Ch. [Fem]	Time-up Int. [dBm]	MFR [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
100	PSS-BPSK	1	1	18.28	18.82	18.82		18.0	0.0
100	PSS-BPSK	1	137	18.40	18.82	18.82			
100	PSS-BPSK	1	271	18.38	18.82	18.82			
100	PSS-BPSK	150	0	18.82	18.82	18.82		18.0	0.0
100	PSS-BPSK	150	95	18.38	18.82	18.82		18.0	0.0
100	PSS-BPSK	150	138	18.54	18.14	17.92	18.00	18.0	0.0
100	PSS-BPSK	270	0	18.82	18.82	18.82			
100	QPSK	1	1	18.37	18.34	18.10			
100	QPSK	1	137	18.24	18.82	17.88	18.0	18.0	0.0
100	QPSK	1	271	18.41	18.29	18.17	17.88		
100	QPSK	150	0	18.47	18.47	18.47	18.0	18.0	0.0
100	QPSK	150	95	18.48	18.48	18.48	18.0	18.0	0.0
100	QPSK	150	138	18.36	18.36	17.92	18.0	18.0	0.0
100	QPSK	270	0	18.45	18.45	18.45			
100	QAM	1	1	18.33	18.33	18.33			
100	QAM	1	1	18.35	18.35	18.35			
100	QAM	1	1	18.38	18.38	18.38			
Channel				3488.98		3488.98	3488.98		
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	18.44	18.53	18.44	18.0	18.0	0.0
Channel				3488.98		3488.98	3488.98		
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	18.25	18.42	18.42	18.0	18.0	0.0
Channel				3473.01		3488.98	3488.98		
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	18.53	18.58	18.48	18.0	18.0	0.0
Channel				3473.01		3488.98	3488.98		
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	18.48	18.58	18.48	18.0	18.0	0.0
Channel				3488.98		3488.98	3488.98		
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	0	1	18.21	18.48	18.21	18.0	18.0	0.0

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [Fem]	Power Max Ch. [Fem]	Power High Ch. [Fem]	Time-up Int. [dBm]	MFR [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3680		3680	3680		
100	PSS-BPSK	1	1	18.82	18.82	18.82		18.0	0.0
100	PSS-BPSK	1	137	18.82	18.82	18.82			
100	PSS-BPSK	1	271	18.82	17.82	17.82			
100	PSS-BPSK	150	0	18.18	18.18	18.18	18.00	18.0	0.0
100	PSS-BPSK	150	95	18.25	18.14	18.04	18.00	18.0	0.0
100	PSS-BPSK	150	138	18.14	17.92	18.02	18.00	18.0	0.0
100	PSS-BPSK	270	0	18.28	18.44	18.44			
100	QPSK	1	1	18.35	18.34	18.10			
100	QPSK	1	137	18.82	18.82	17.88	18.00	18.0	0.0
100	QPSK	1	271	18.29	18.17	17.88			
100	QPSK	150	0	18.25	18.14	18.14	18.00	18.0	0.0
100	QPSK	150	95	18.28	18.08	18.11	18.00	18.0	0.0
100	QPSK	150	138	18.27	18.08	17.92	18.00	18.0	0.0
100	QPSK	270	0	18.24	18.10	18.10			
100	QAM	1	1	18.15	17.88	17.88	18.00	18.0	0.0
100	QAM	1	1	18.27	18.25	17.92	18.00	18.0	0.0
100	QAM	1	1	18.49	18.10	18.00	18.00	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3700		3680	3680		
50	QPSK	1	1	18.29	18.19	18.24	18.00	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3700		3680	3680		
50	QPSK	1	1	18.24	18.20	18.22	18.00	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3700		3680	3680		
40	QPSK	1	1	18.17	18.14	18.12	18.00	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3700		3680	3680		
30	QPSK	1	1	18.22	18.20	18.20	18.00	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3700		3680	3680		
20	QPSK	1	1	18.25	18.22	18.18	18.00	18.0	0.0

Part27Q_n77_Ant 7									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [Fem]	Power Max Ch. [Fem]	Power High Ch. [Fem]	Time-up Int. [dBm]	MFR [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
100	PSS-BPSK	1	1	18.84	18.84	18.84		18.0	0.0
100	PSS-BPSK	1	137	18.84	18.84	18.84			
100	PSS-BPSK	1	271	18.72	18.84	18.84			
100	PSS-BPSK	150	0	18.84	18.84	18.84		18.0	0.0
100	PSS-BPSK	150	95	18.78	18.84	18.84		18.0	0.0
100	PSS-BPSK	150	138	18.87	18.84	18.84	18.00	18.0	0.0
100	PSS-BPSK	270	0	18.78	18.84	18.84			
100	QPSK	1	1	18.81	18.81	18.81			
100	QPSK	1	137	18.49	18.49	18.49	18.0	18.0	0.0
100	QPSK	1	271	18.87	18.87	18.87			
100	QPSK	150	0	18.85	18.85	18.85	18.0	18.0	0.0
100	QPSK	150	95	18.79	18.79	18.79	18.0	18.0	0.0
100	QPSK	150	138	18.83	18.83	18.83	18.0	18.0	0.0
100	QPSK	270	0	18.73	18.73	18.73			
100	QAM	1	1	18.88	18.88	18.88			
100	QAM	1	1	18.75	18.75	18.75			
100	QAM	1	1	18.81	18.81	18.81			
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
50	QPSK	1	1	18.87	18.80	18.78	18.0	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
50	QPSK	1	1	18.79	18.78	18.78	18.0	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
50	QPSK	1	1	18.76	18.78	18.78	18.0	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
50	QPSK	1	1	18.73	18.78	18.78	18.0	18.0	0.0
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
50	QPSK	0	1	18.72	18.78	18.77	18.0	18.0	0.0

Part27Q_n77_Ant 7									
BW [MHz]	Modulation	RB [Hz]	SB Offset	Power Low Ch. [Fem]	Power Max Ch. [Fem]	Power High Ch. [Fem]	Time-up Int. [dBm]	MFR [dB]	
Channel				650000	650000	650000			
Frequency [MHz]				3700	3680	3680			
100	PSS-BPSK	1	1	18.84	18.78	18.29		18.0	0.0
100	PSS-BPSK	1	137	18.87	18.82	18.40			
100	PSS-BPSK	1	271	18.87	18.85	18.78			
100	PSS-BPSK	150	0	18.78	18.84	18.84	18.00	18.0	0.0
100	PSS-BPSK	150	95	18.83	18.84	18.83	18.00	18.0	0.0
100	PSS-BPSK	150	138	18.84	18.84	18.84	18.00	18.0	0.0
100	PSS-BPSK	270	0	18.84	18.84	18.84			
100	QPSK	1	1	18.78	18.84	18.84			
100	QPSK	1	137	18.47	18.84	18.43	18.0	18.0	0.0
100	QPSK	1	271	18.86	18.87	18.86			
100	QPSK	150	0	18.81	18.88	18.88	18.0	18.0	0.0
100	QPSK	150	95	18.79	18.79	18.79	18.0	18.0	0.0
100	QPSK	150	138	18.84	18.84	18.84	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			
100	QPSK	270	95	18.80	18.80	18.80			
100	QPSK	270	138	18.80	18.80	18.80			
100	QPSK	150	138	18.84	18.78	18.40	18.0	18.0	0.0
100	QPSK	270	0	18.80	18.80	18.80			

Reduced Power Mode for ECI 13

n2_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	21.47	21.85	21.50	23.0
20	PI/2 BPSK	1	53	21.46	21.59	21.59	
20	PI/2 BPSK	1	104	21.45	21.62	21.58	
20	PI/2 BPSK	50	0	21.46	21.65	21.45	23.0
20	PI/2 BPSK	50	26	21.55	21.54	21.49	23.0
20	PI/2 BPSK	50	56	21.49	21.56	21.53	23.0
20	PI/2 BPSK	100	0	21.45	21.64	21.49	23.0
20	QPSK	1	1	21.55	21.66	21.60	23.0
20	QPSK	1	53	21.55	21.54	21.59	
20	QPSK	1	104	21.57	21.66	21.52	
20	QPSK	50	0	21.57	21.53	21.45	23.0
20	QPSK	50	26	21.56	21.66	21.55	23.0
20	QPSK	50	56	21.47	21.54	21.54	23.0
20	QPSK	100	0	21.57	21.62	21.56	23.0
20	16QAM	1	1	21.52	21.54	21.49	23.0
20	64QAM	1	1	20.24	20.33	20.30	22.0
20	256QAM	1	1	18.52	18.68	18.67	20.0
Channel				371000	375000	379000	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	21.46	21.60	21.55	23.0
Channel				371000	376000	381000	
Frequency (MHz)				1859	1880	1903	
10	QPSK	1	1	21.44	21.64	21.56	23.0
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	21.51	21.53	21.51	23.0

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.68	22.70	22.68	24.5
20	PI/2 BPSK	1	53	22.68	22.64	22.63	
20	PI/2 BPSK	1	104	22.71	22.75	22.67	
20	PI/2 BPSK	50	0	22.21	22.21	22.05	24.0
20	PI/2 BPSK	50	26	22.58	22.66	22.65	24.5
20	PI/2 BPSK	50	56	22.05	22.25	22.17	24.0
20	PI/2 BPSK	100	0	22.24	22.19	22.15	24.0
20	QPSK	1	1	22.67	22.50	22.75	24.5
20	QPSK	1	53	22.67	22.79	22.68	
20	QPSK	1	104	22.74	22.82	22.71	
20	QPSK	50	0	21.56	21.63	21.56	23.5
20	QPSK	50	26	22.62	22.62	22.57	24.5
20	QPSK	50	56	21.70	21.69	21.76	23.5
20	QPSK	100	0	21.63	21.76	21.59	23.5
20	16QAM	1	1	21.55	21.58	21.53	23.5
20	64QAM	1	1	20.05	20.10	20.02	22.0
20	256QAM	1	1	18.40	18.57	18.65	20.0
Channel				371000	376000	381000	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	22.86	22.88	22.84	24.5
Channel				371000	376000	381000	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	22.74	22.75	22.66	24.5
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	22.83	22.82	22.75	24.5

n2_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power/Mask Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.99	23.07	23.03	24.5
20	PI/2 BPSK	1	53	23.02	23.05	22.99	
20	PI/2 BPSK	1	104	22.90	23.02	22.90	
20	PI/2 BPSK	50	0	22.44	22.57	22.42	24.0
20	PI/2 BPSK	50	26	22.98	23.05	22.91	24.5
20	PI/2 BPSK	50	56	22.41	22.52	22.51	24.0
20	PI/2 BPSK	100	0	22.47	22.60	22.54	24.0
20	QPSK	1	1	23.06	23.14	23.10	24.5
20	QPSK	1	53	23.00	23.12	23.02	
20	QPSK	1	104	23.06	23.13	23.08	
20	QPSK	50	0	22.02	22.06	21.92	23.5
20	QPSK	50	26	22.56	22.65	22.58	24.5
20	QPSK	50	56	21.95	22.00	22.02	23.5
20	QPSK	100	0	21.81	21.95	21.93	23.5
20	16QAM	1	1	21.72	21.76	21.69	23.5
20	64QAM	1	1	20.09	20.19	20.10	22.0
20	256QAM	1	1	18.55	18.70	18.63	20.0
Channel				371000	376000	380500	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	1	22.96	23.01	23.07	24.5
Channel				371000	376000	381000	
Frequency (MHz)				1859	1880	1905	
10	QPSK	1	1	23.03	23.04	22.97	24.5
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	22.94	23.03	23.02	24.5

n5_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.44	23.52	23.47		
20	PI/2 BPSK	1	53	23.49	23.66	23.66	24.5	0.5
20	PI/2 BPSK	1	104	23.43	23.50	23.52		
20	PI/2 BPSK	50	0	23.03	23.19	23.14		
20	PI/2 BPSK	50	28	23.34	23.52	23.39	24.5	0.5
20	PI/2 BPSK	50	56	22.99	23.08	22.95		
20	PI/2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0
20	QPSK	1	53	23.38	23.56	23.55		
20	QPSK	1	104	23.45	23.59	23.58		
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0
20	QPSK	50	28	23.40	23.62	23.45		
20	QPSK	50	56	22.30	22.40	22.25		
20	QPSK	100	0	22.38	22.67	22.42	24.0	1.0
20	16QAM	1	1	22.36	22.53	22.45		
20	64QAM	1	1	21.00	21.00	20.94		
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				163300	167300	169300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.42	23.48	23.39		
20	PI/2 BPSK	1	53	23.42	23.53	23.51	24.5	0.5
20	PI/2 BPSK	1	104	23.39	23.50	23.48		
20	PI/2 BPSK	50	0	22.95	23.05	23.04		
20	PI/2 BPSK	50	28	23.31	23.46	23.32	24.5	0.5
20	PI/2 BPSK	50	56	22.91	23.00	22.85		
20	PI/2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.61	23.66	23.55	25.0	0.0
20	QPSK	1	53	23.35	23.50	23.46		
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52	24.0	1.0
20	QPSK	50	28	23.38	23.52	23.42		
20	QPSK	50	56	22.24	22.36	22.24		
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0
20	16QAM	1	1	22.31	22.38	22.37		
20	64QAM	1	1	20.89	20.96	20.89		
20	256QAM	1	1	19.20	19.42	19.27	20.5	4.5
Channel				163300	167300	169300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.46	23.56	23.53	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	22.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.04	21.10	20.95		
20	PI/2 BPSK	1	53	20.98	21.10	21.05	22.5	0.0
20	PI/2 BPSK	1	104	21.05	21.05	21.00		
20	PI/2 BPSK	50	0	21.02	21.04	20.98		
20	PI/2 BPSK	50	26	21.01	21.04	21.08	22.5	0.0
20	PI/2 BPSK	50	56	21.09	21.03	21.03		
20	PI/2 BPSK	100	0	20.99	21.06	21.05		
20	QPSK	1	1	21.12	21.05	21.10	22.5	0.0
20	QPSK	1	53	21.05	21.04	21.07		
20	QPSK	1	104	21.03	21.04	20.95		
20	QPSK	50	0	21.00	21.05	21.00	22.5	0.0
20	QPSK	50	26	21.05	21.13	21.05		
20	QPSK	50	56	21.04	21.00	21.05		
20	QPSK	100	0	21.10	21.12	21.05	22.5	0.0
20	16QAM	1	1	21.10	21.10	20.98		
20	16QAM	1	1	20.19	20.20	20.10		
20	256QAM	1	1	18.63	18.66	18.69	20.0	2.5
Channel				503000	507000	512000	22.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.99	21.11	21.01		
Channel				501000	507000	513000	22.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.01	21.09	21.01		
Channel				500500	507000	513500	22.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.09	21.12	20.97		

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.05	23.17	23.10		
20	PI/2 BPSK	1	53	23.01	23.06	23.09	24.0	0.5
20	PI/2 BPSK	1	104	23.04	23.17	23.00		
20	PI/2 BPSK	50	0	22.58	22.61	22.46		
20	PI/2 BPSK	50	26	23.00	23.05	23.07	24.0	0.5
20	PI/2 BPSK	50	56	22.55	22.63	22.45		
20	PI/2 BPSK	100	0	22.60	22.56	22.49		
20	QPSK	1	1	23.11	23.20	23.16	24.5	0.0
20	QPSK	1	53	23.06	23.13	23.05		
20	QPSK	1	104	22.95	23.19	23.11		
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	26	22.35	23.05	23.03		
20	QPSK	50	56	22.00	22.02	21.95		
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97		
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	18.63	18.62	18.59	20.0	4.5
Channel				501500	507000	512500	24.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.99	23.07	23.04		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.01	23.07	23.03		
Channel				500500	507000	513500	24.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.99	23.15	23.04		

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.00	23.02	22.93		
20	PI/2 BPSK	1	53	22.82	22.97	22.96	24.0	0.5
20	PI/2 BPSK	1	104	22.89	22.95	22.92		
20	PI/2 BPSK	50	0	22.51	22.96	22.52		
20	PI/2 BPSK	50	26	22.86	23.00	22.99	24.0	0.5
20	PI/2 BPSK	50	56	22.52	22.60	22.48		
20	PI/2 BPSK	100	0	22.46	22.52	22.43		
20	QPSK	1	1	23.06	23.05	23.00	24.5	0.0
20	QPSK	1	53	22.89	23.02	22.88		
20	QPSK	1	104	22.86	23.00	22.93		
20	QPSK	50	0	22.02	22.10	22.06	23.5	1.0
20	QPSK	50	26	22.50	22.98	22.95		
20	QPSK	50	56	22.00	22.07	22.02		
20	QPSK	100	0	21.92	21.99	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77		
20	64QAM	1	1	20.34	20.35	20.29		
20	256QAM	1	1	18.63	18.68	18.77	20.0	4.5
Channel				501500	507000	512500	24.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.83	23.03	22.97		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.04	23.02	23.00		
Channel				500500	507000	513500	24.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	22.97	22.98		

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0
15	PI/2 BPSK	1	40	23.05	23.17	23.07		
15	PI/2 BPSK	1	77	23.08	23.20	23.12		
15	PI/2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5
15	PI/2 BPSK	36	22	23.05	23.18	23.29	24.5	0.0
15	PI/2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5
15	PI/2 BPSK	75	0	22.58	22.72	22.59	24.5	0.0
15	QPSK	1	1	23.05	23.20	23.21		
15	QPSK	1	40	23.20	23.13	23.08		
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.06	22.00		
15	QPSK	36	22	23.22	23.29	23.15		
15	QPSK	36	43	22.09	22.08	22.05	23.5	1.0
15	QPSK	75	0	22.00	22.19	22.06	23.5	1.0
15	16QAM	1	1	21.87	21.95	21.90		
15	64QAM	1	1	20.48	20.59	20.38		
15	256QAM	1	1	19.16	19.24	19.07	20.0	4.5
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.13	23.27	23.15	24.5	0.0

n12_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0
15	PI/2 BPSK	1	40	23.11	23.25	23.19		
15	PI/2 BPSK	1	77	23.30	23.31	23.17		
15	PI/2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5
15	PI/2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0
15	PI/2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5
15	PI/2 BPSK	75	0	22.66	22.80	22.67	24.5	0.0
15	QPSK	1	1	23.20	23.26	23.24		
15	QPSK	1	40	23.26	23.28	23.19		
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0
15	QPSK	36	0	22.09	22.12	22.09		
15	QPSK	36	22	23.25	23.30	23.24		
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0
15	16QAM	1	1	21.97	22.10	22.02		
15	64QAM	1	1	20.59	20.80	20.48		
15	256QAM	1	1	19.12	19.18	19.16	20.0	4.5
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.26	23.29	23.16	24.5	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0

n66_Ant 1

n66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mask Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0		
30	PI2 BPSK	1	80	23.17	23.20	23.19				
30	PI2 BPSK	1	158	23.11	23.22	23.10				
30	PI2 BPSK	80	0	22.69	22.75	22.67				
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0		
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.5		
30	PI2 BPSK	160	0	22.60	22.66	22.54	24.5	0.0		
30	QPSK	1	1	23.20	23.30	23.24				
30	QPSK	1	80	23.19	23.25	23.12				
30	QPSK	1	158	23.17	23.21	23.17				
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0		
30	QPSK	80	40	22.20	22.23	22.22	24.5	0.0		
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0		
30	QPSK	160	0	22.05	22.20	22.15	23.5	1.0		
30	16QAM	1	1	21.80	21.93	21.86				
30	16QAM	1	1	20.37	20.48	20.47				
30	256QAM	1	1	19.02	19.05	18.96				
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0		

n66_Ant 2

n66_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0		
30	PI2 BPSK	1	80	23.04	23.16	23.16				
30	PI2 BPSK	1	158	23.02	23.19	23.04				
30	PI2 BPSK	80	0	22.66	22.61	22.59				
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0		
30	PI2 BPSK	80	80	22.58	22.61	22.57	24.0	0.5		
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0		
30	QPSK	1	1	23.17	23.27	23.12				
30	QPSK	1	80	23.15	23.21	23.08				
30	QPSK	1	158	23.08	23.18	23.08				
30	QPSK	80	0	22.16	22.17	22.10	23.5	1.0		
30	QPSK	80	40	22.25	22.21	22.13	24.5	0.0		
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0		
30	QPSK	160	0	21.98	22.19	22.11	23.5	1.0		
30	16QAM	1	1	21.76	21.85	21.82				
30	64QAM	1	1	20.27	20.34	20.43				
30	256QAM	1	1	18.92	18.95	18.94				
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.10	23.15	23.10	24.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0		

n66_Ant 4

n66_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	22.81	22.90	22.76	24.5	0.0
30	PI2 BPSK	1	80	22.86	22.87	22.83		
30	PI2 BPSK	1	158	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.39	22.45	22.36		
30	PI2 BPSK	80	40	22.85	22.89	22.80	24.5	0.0
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24	24.0	0.5
30	QPSK	1	1	22.85	22.93	22.83	24.5	0.0
30	QPSK	1	80	22.85	22.90	22.76		
30	QPSK	1	158	22.83	22.88	22.77		
30	QPSK	80	0	21.84	21.96	21.91		
30	QPSK	80	40	22.25	22.50	22.17	23.5	1.0
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0
30	16QAM	1	1	21.62	21.70	21.56	23.5	1.0
30	16QAM	1	1	20.17	20.31	20.26	22.0	2.5
30	256QAM	1	1	18.31	18.43	18.79	20.0	4.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	22.82	22.68	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.78	22.82	22.75	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	24.5	0.0
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22		
15	PI2 BPSK	1	40	23.12	23.18	23.04	24.0	0.5
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	22.67	22.71	22.69		
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.0	0.5
15	PI2 BPSK	36	43	22.66	22.67	22.62		
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.25	23.26	23.27	24.5	0.0
15	QPSK	1	40	23.17	23.25	23.18		
15	QPSK	1	77	23.07	23.13	23.10		
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0
15	QPSK	36	22	23.15	23.25	23.18		
15	QPSK	36	43	22.69	22.10	22.08		
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				133.100	135.100	137.100	24.5	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.16	23.19	23.25		
Channel				133.100	136.100	139.100	24.5	0.0
Frequency (MHz)				663.5	680.5	696.5		
5	QPSK	1	1	23.17	23.19	23.23		

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	24.5	0.0
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26		
15	PI2 BPSK	1	40	23.18	23.21	23.13	24.0	0.5
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.83	22.69		
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.0	0.5
15	PI2 BPSK	36	43	22.74	22.78	22.67		
15	PI2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.34	23.35	23.33	24.5	0.0
15	QPSK	1	40	23.26	23.32	23.22		
15	QPSK	1	77	23.16	23.28	23.16		
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.21	22.17		
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.26	19.29	19.15	20.0	4.5
Channel				133.100	135.100	137.100	24.5	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.31	23.28	23.27		
Channel				133.100	136.100	139.100	24.5	0.0
Frequency (MHz)				663.5	680.5	696.5		
5	QPSK	1	1	23.33	23.25	23.19		

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C-1 Power)	Power Max (C-1 Power)	Power High (C-1 Power)	Turnup time (min)	MPTT (dB)	
Channel				50000	50000	50000			
Frequency (MHz)				2545.01	2545.99	2546			
100	PSS-BPSK	1	1	25.39	25.15	25.15			
100	PSS-BPSK	1	137	25.43	25.21	25.21	20.0		0.0
100	PSS-BPSK	1	271	25.44	25.14	25.20			
100	PSS-BPSK	155	0	25.39	25.16	25.02	20.0		0.0
100	PSS-BPSK	155	95	25.41	25.20	25.12	20.0		0.0
100	PSS-BPSK	155	138	25.39	25.22	25.21	20.0		0.0
100	PSS-BPSK	200	0	25.39	25.15	25.15			
100	QPSK	1	1	25.45	25.25	25.15			
100	QPSK	1	137	25.39	25.27	25.15	20.0		0.0
100	QPSK	1	271	25.25	25.21	25.25			
100	QPSK	155	0	25.43	25.14	25.19	20.0		0.0
100	QPSK	155	95	25.44	25.13	25.12	20.0		0.0
100	QPSK	155	138	25.42	25.16	25.15	20.0		0.0
100	QPSK	200	0	25.31	25.19	25.21	20.0		0.0
100	QPSK	270	0	25.31	25.19	25.21	20.0		0.0
100	QPSK	1	1	25.34	25.14	25.22	20.0		0.0
100	QPSK	1	1	25.31	25.25	25.25	10.0		0.0
100	QPSK	1	1	25.25	25.13	25.05	20.0		0.0
Channel									
Frequency (MHz)				2541	2542.99	2543.98			
50	QPSK	1	1	25.44	25.24	25.24	20.0		0.0
Channel				2541.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2543.99	2543.99	2543.99			
80	QPSK	1	1	25.32	25.17	25.23	20.0		0.0
Channel				2531.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2531.01	2542.99	2543.98			
70	QPSK	1	1	25.36	25.07	25.07	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541	2542.99	2543.98			
80	QPSK	1	1	25.47	25.16	25.09	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	25.38	25.13	25.13	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	25.35	25.20	25.15	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	25.30	25.17	25.23	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	25.44	25.23	25.17	20.0		0.0

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C-1 Power)	Power Max (C-1 Power)	Power High (C-1 Power)	Turnup time (min)	MPTT (dB)	
Channel				50000	50000	50000			
Frequency (MHz)				2545.01	2545.99	2546			
100	PSS-BPSK	1	1	24.76	24.67	24.65			
100	PSS-BPSK	1	137	24.83	24.71	24.70	20.0		0.0
100	PSS-BPSK	1	271	24.70	24.59	24.60			
100	PSS-BPSK	155	0	24.66	24.12	24.15	20.0		0.0
100	PSS-BPSK	155	95	24.55	24.06	24.12	20.0		0.0
100	PSS-BPSK	155	138	24.64	24.13	24.11	20.0		0.0
100	QPSK	1	1	24.60	24.12	24.15			
100	QPSK	1	137	24.65	24.48	24.60	20.0		0.0
100	QPSK	1	271	24.75	24.55	24.61			
100	QPSK	155	0	25.06	23.82	23.97	20.0		1.0
100	QPSK	155	95	24.74	23.80	23.92	20.0		0.0
100	QPSK	155	138	25.02	23.80	23.82	20.0		1.0
100	QPSK	200	0	25.09	23.53	23.68			
100	QPSK	1	1	25.36	23.82	23.82	20.0		1.0
100	QPSK	1	1	25.04	23.80	23.13	10.0		2.0
100	QPSK	1	1	25.00	23.80	23.70	20.0		1.0
Channel				50000	50000	50000			
Frequency (MHz)				2541	2542.99	2543.98			
50	QPSK	1	1	24.92	24.65	24.70	20.0		0.0
Channel				2541.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2543.99	2543.99	2543.99			
80	QPSK	1	1	24.75	24.61	24.63	20.0		0.0
Channel				2531.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2531.01	2542.99	2543.98			
70	QPSK	1	1	24.67	24.50	24.57	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541	2542.99	2543.98			
80	QPSK	1	1	24.68	24.58	24.60	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.63	24.46	24.43	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.65	24.51	24.51	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.62	24.43	24.47	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.71	24.65	24.67	20.0		0.0

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low (C-1 Power)	Power Max (C-1 Power)	Power High (C-1 Power)	Turnup time (min)	MPTT (dB)	
Channel				50000	51000	50000			
Frequency (MHz)				2545.01	2545.99	2546			
100	PSS-BPSK	1	1	24.41	24.23	24.18			
100	PSS-BPSK	1	137	24.39	24.16	24.07	20.0		0.0
100	PSS-BPSK	1	271	24.13	24.09	24.03			
100	PSS-BPSK	155	0	24.76	23.84	23.89	20.0		0.0
100	PSS-BPSK	155	95	24.35	23.84	23.88	20.0		0.0
100	PSS-BPSK	155	138	25.09	23.50	23.55	20.0		0.0
100	PSS-BPSK	200	0	24.64	23.80	23.80			
100	QPSK	1	1	24.45	24.12	24.15			
100	QPSK	1	137	24.17	24.11	24.07	20.0		0.0
100	QPSK	1	271	24.14	24.06	24.04			
100	QPSK	155	0	25.02	23.15	23.06	20.0		1.0
100	QPSK	155	95	24.16	23.11	23.03	20.0		0.0
100	QPSK	155	138	25.11	23.09	23.02	20.0		1.0
100	QPSK	200	0	25.15	23.10	23.08			
100	QPSK	1	1	25.10	23.07	23.08	20.0		1.0
100	QPSK	1	1	25.05	23.14	23.03	10.0		2.0
100	QPSK	1	1	25.00	23.17	23.01	20.0		1.0
Channel				50000	50000	50000			
Frequency (MHz)				2541	2542.99	2543.98			
50	QPSK	1	1	24.30	24.16	24.13	20.0		0.0
Channel				2541.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2543.99	2543.99	2543.99			
80	QPSK	1	1	24.27	24.16	24.16	20.0		0.0
Channel				2531.01	2542.99	2543.98	Turnup time (min)		0.0
Frequency (MHz)				2531.01	2542.99	2543.98			
70	QPSK	1	1	24.23	24.08	24.07	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541	2542.99	2543.98			
80	QPSK	1	1	24.20	24.06	24.07	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.17	24.01	24.04	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.15	24.17	24.15	20.0		0.0
Channel				50000	50000	50000	Turnup time (min)		0.0
Frequency (MHz)				2541.01	2542.99	2543.98			
80	QPSK	1	1	24.20	24.16	24.08	20.0		0.0

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB Desc	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
100	PSS-BPSK	1	1	18.34				18.0	0.0
100	PSS-BPSK	1	137	18.30					
100	PSS-BPSK	1	271	18.38					
100	PSS-BPSK	150	0	18.33				18.0	0.0
100	PSS-BPSK	150	95	18.31				18.0	0.0
100	PSS-BPSK	150	138	18.30				18.0	0.0
100	PSS-BPSK	270	0	18.33					
100	QPSK	1	1	18.34				18.0	0.0
100	QPSK	1	137	18.34					
100	QPSK	1	271	18.30					
100	QPSK	150	0	18.30				18.0	0.0
100	QPSK	150	95	18.33				18.0	0.0
100	QPSK	150	138	18.34				18.0	0.0
100	QPSK	270	0	18.32					
100	QAM	1	1	18.35				18.0	0.0
100	QAM	1	1	18.35				18.0	0.0
100	QAM	1	1	18.31				18.0	0.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	18.41	18.40	18.39	18.0	18.0	0.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	18.39	18.41	18.39	18.0	18.0	0.0
Channel									
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	18.34	18.40	18.37	18.0	18.0	0.0
Channel									
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	18.37	18.38	18.37	18.0	18.0	0.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	18.40	18.38	18.39	18.0	18.0	0.0

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB Desc	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3700		3681	3681		
100	PSS-BPSK	1	1	18.12	18.22	18.09		18.0	0.0
100	PSS-BPSK	1	137	18.00	18.10	18.11			
100	PSS-BPSK	1	271	18.10	18.13	18.10			
100	PSS-BPSK	150	0	18.01	18.23	18.10	18.0	18.0	0.0
100	PSS-BPSK	150	95	18.10	18.21	18.10	18.0	18.0	0.0
100	PSS-BPSK	150	138	18.09	18.10	18.10	18.0	18.0	0.0
100	PSS-BPSK	270	0	18.08	18.11	18.08			
100	QPSK	1	1	18.13	18.24	18.11		18.0	0.0
100	QPSK	1	137	18.06	18.14	18.12			
100	QPSK	1	271	18.03	18.07	18.10			
100	QPSK	150	0	18.07	18.14	18.09	18.0	18.0	0.0
100	QPSK	150	95	18.05	18.21	18.10	18.0	18.0	0.0
100	QPSK	150	138	18.04	18.17	18.10	18.0	18.0	0.0
100	QPSK	270	0	18.07	18.11	18.10			
100	QAM	1	1	18.06	18.18	18.09	18.0	18.0	0.0
100	QAM	1	1	18.06	18.11	18.10	18.0	18.0	0.0
100	QAM	1	1	18.00	18.21	18.09	18.0	18.0	0.0
Channel									
Frequency [MHz]				3700.00		3680	3680.00		
50	QPSK	1	1	18.11	18.14	18.04	18.0	18.0	0.0
Channel									
Frequency [MHz]				3700.00		3680	3680.00		
50	QPSK	1	1	18.09	18.13	18.14	18.0	18.0	0.0
Channel									
Frequency [MHz]				3700.00		3688.98	3688.98		
50	QPSK	1	1	18.04	18.18	18.11	18.0	18.0	0.0
Channel									
Frequency [MHz]				3713.02		3688.98	3688.98		
50	QPSK	1	1	18.13	18.16	18.09	18.0	18.0	0.0
Channel									
Frequency [MHz]				3713.02		3680.00	3680.00		
50	QPSK	1	1	18.17	18.13	18.06	18.0	18.0	0.0

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Desc	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				650000		650000	650000		
Frequency [MHz]				3488.98					
100	PSS-BPSK	1	1	22.07				23.0	0.0
100	PSS-BPSK	1	137	21.97					
100	PSS-BPSK	1	271	22.05					
100	PSS-BPSK	150	0	21.98				20.5	0.0
100	PSS-BPSK	150	95	21.95				20.5	0.0
100	PSS-BPSK	150	138	21.93				20.5	0.0
100	PSS-BPSK	270	0	21.96					
100	QPSK	1	1	22.14				23.0	0.0
100	QPSK	1	137	22.05					
100	QPSK	1	271	21.97					
100	QPSK	150	0	21.95				20.9	1.0
100	QPSK	150	95	22.00				20.9	0.0
100	QPSK	150	138	22.00				20.9	0.0
100	QPSK	270	0	22.04				20.9	1.0
100	QAM	1	1	22.01				20.5	1.0
100	QAM	1	1	22.00				20.5	1.0
100	QAM	1	1	22.01				20.5	1.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	22.07	22.09	22.06	23.0	23.0	0.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	22.09	22.05	22.03	23.0	23.0	0.0
Channel									
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	22.07	22.08	22.08	23.0	23.0	0.0
Channel									
Frequency [MHz]				3473.01		3488.98	3488.98		
50	QPSK	1	1	22.00	22.08	22.00	23.0	23.0	0.0
Channel									
Frequency [MHz]				3488.98		3488.98	3488.98		
50	QPSK	1	1	22.07	22.07	22.06	23.0	23.0	0.0

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Desc	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				650000	650000	650000			
Frequency [MHz]				3700	3681	3681			
100	PSS-BPSK	1	1	22.17	22.29	22.17		23.0	0.0
100	PSS-BPSK	1	137	22.15	22.27	22.28			
100	PSS-BPSK	1	271	22.24	22.28	22.11			
100	PSS-BPSK	150	0	22.15	21.88	21.92	20.5	20.5	0.0
100	PSS-BPSK	150	95	22.21	22.20	22.10	20.5	20.5	0.0
100	PSS-BPSK	150	138	21.91	21.73	21.65	20.5	20.5	0.0
100	PSS-BPSK	270	0	22.17	21.95	21.69			
100	QPSK	1	1	22.13	22.26	22.11		23.0	0.0
100	QPSK	1	137	22.15	22.25	22.18			
100	QPSK	1	271	22.13	22.20	22.10			
100	QPSK	150	0	22.14	21.23	21.10	20.9	1.0	
100	QPSK	150	95	22.22	22.26	22.10	20.9	0.0	
100	QPSK	150	138	21.95	21.18	21.00	20.9	0.0	
100	QPSK	270	0	22.19	22.14	21.10	20.9	1.0	
100	QAM	1	1	22.06	21.18	21.14	20.5	1.0	
100	QAM	1	1	22.05	21.70	21.05	20.5	1.0	
100	QAM	1	1	22.02	21.30	21.05	20.5	1.0	
Channel									
Frequency [MHz]				3700.00	3680.00	3680.00	Turnup Int. [dBm]		
50	QPSK	1	1	22.11	22.23	22.04	23.0	23.0	0.0
Channel				650000	650000	650000	Turnup Int. [dBm]		
50	QPSK	1	1	22.11	22.23	22.04	23.0	23.0	0.0
Frequency [MHz]				3700.00	3680.00	3680.00	Turnup Int. [dBm]		
60	QPSK	1	1	22.16	22.25	22.11	23.0	23.0	0.0
Channel				650000	650000	650000	Turnup Int. [dBm]		
60	QPSK	1	1	22.16	22.25	22.11	23.0	23.0	0.0
Frequency [MHz]				3700.00	3680.00	3680.00	Turnup Int. [dBm]		
40	QPSK	1	1	22.00	22.19	22.04	23.0	23.0	0.0
Channel				650000	650000	650000	Turnup Int. [dBm]		
40	QPSK	1	1	22.00	22.19	22.04	23.0	23.0	0.0
Frequency [MHz]				3700.00	3680.00	3680.00	Turnup Int. [dBm]		
30	QPSK	1	1	22.00	22.19	22.04	23.0	23.0	0.0
Channel				650000	650000	650000	Turnup Int. [dBm]		
30	QPSK	1	1	22.00	22.19	22.04	23.0	23.0	0.0
Frequency [MHz]				3700.00	3680.00	3680.00	Turnup Int. [dBm]		
20	QPSK	1	1	22.00	22.19	22.04	23.0	23.0	0.0

Reduced Power Mode for ECI 14

n2_Ant 1

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				372000	376000	380000		
				1860	1880	1900		
20	PI2 BPSK	1	1	20.15	19.97	20.08		
20	PI2 BPSK	1	53	20.03	20.17	19.98	21.5	0.0
20	PI2 BPSK	1	104	19.91	20.06	20.02		
20	PI2 BPSK	50	0	19.94	20.02	19.99	21.5	0.0
20	PI2 BPSK	50	26	20.02	20.12	19.99	21.5	0.0
20	PI2 BPSK	50	56	19.95	20.09	20.05	21.5	0.0
20	PI2 BPSK	100	0	19.94	20.04	19.98		
20	QPSK	1	1	20.15	20.15	20.10		
20	QPSK	1	53	20.04	20.16	19.87	21.5	0.0
20	QPSK	1	104	19.99	19.96	19.91		
20	QPSK	50	0	20.00	19.92	19.91	21.5	0.0
20	QPSK	50	26	20.04	20.10	20.04	21.5	0.0
20	QPSK	50	56	19.97	19.96	19.95	21.5	0.0
20	QPSK	100	0	19.95	20.04	19.99		
20	16QAM	1	1	20.06	20.11	19.95	21.5	0.0
20	64QAM	1	1	20.05	20.07	20.08	21.5	0.0
20	256QAM	1	1	19.82	19.88	19.87	20.0	1.5
Channel								
Frequency (MHz)				371000	375000	379000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.98	20.15	20.02	21.5	0.0
Channel								
Frequency (MHz)				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.07	20.18	19.99	21.5	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.98	20.13	20.09	21.5	0.0

n2_Ant 2

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68		
20	PI2 BPSK	1	53	22.68	22.64	22.53	24.5	0.0
20	PI2 BPSK	1	104	22.71	22.75	22.67		
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5
20	PI2 BPSK	50	26	22.58	22.66	22.65	24.5	0.0
20	PI2 BPSK	50	56	22.05	22.25	22.17	24.0	0.5
20	PI2 BPSK	100	0	22.24	22.19	22.15		
20	QPSK	1	1	22.67	22.50	22.75		
20	QPSK	1	53	22.67	22.79	22.68	24.5	0.0
20	QPSK	1	104	22.74	22.82	22.71		
20	QPSK	50	0	21.56	21.63	21.56	23.5	1.0
20	QPSK	50	26	22.35	22.62	22.57	24.5	0.0
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.76	21.59		
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02	23.5	2.5
20	256QAM	1	1	18.40	18.57	18.65	20.0	4.5
Channel				371000	375000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.86	22.88	22.64	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.5	1880	1902.5		
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0

n2_Ant 4

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1865	1860	1900		
20	PI2 BPSK	1	1	22.99	23.07	23.03	24.5	0.0
20	PI2 BPSK	1	53	23.02	23.05	22.99		
20	PI2 BPSK	1	104	22.90	23.02	22.90		
20	PI2 BPSK	50	0	22.44	22.57	22.42		
20	PI2 BPSK	50	26	22.98	23.05	22.91	24.0	0.5
20	PI2 BPSK	50	56	22.41	22.52	22.51	24.5	0.0
20	PI2 BPSK	100	0	22.47	22.60	22.54	24.0	0.5
20	QPSK	1	1	23.00	23.14	23.12		
20	QPSK	1	53	23.00	23.12	23.02		
20	QPSK	1	104	23.06	23.13	23.08		
20	QPSK	50	0	22.02	22.06	21.92	23.5	1.0
20	QPSK	50	26	22.56	23.05	22.98	24.5	0.0
20	QPSK	50	56	21.95	22.00	22.02	23.5	1.0
20	QPSK	100	0	21.81	21.95	21.93	23.5	1.0
20	16QAM	1	1	21.72	21.76	21.69		
20	64QAM	1	1	20.09	20.19	20.10		
20	256QAM	1	1	18.56	18.70	18.63		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1860	1902.5		
15	QPSK	1	1	22.96	23.01	23.07	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1860	1905		
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1860	1910		
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47		
20	PI2 BPSK	1	53	23.49	23.66	23.66	24.5	0.5
20	PI2 BPSK	1	104	23.43	23.50	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14		
20	PI2 BPSK	50	28	23.34	23.52	23.39	24.5	0.5
20	PI2 BPSK	50	56	22.99	23.08	22.95		
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0
20	QPSK	1	53	23.38	23.56	23.55		
20	QPSK	1	104	23.45	23.59	23.58		
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0
20	QPSK	50	28	23.40	23.62	23.45		
20	QPSK	50	56	22.30	22.49	22.29		
20	QPSK	100	0	22.38	22.67	22.42	24.0	1.0
20	16QAM	1	1	22.36	22.53	22.45		
20	64QAM	1	1	21.00	21.00	20.94		
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				163300	167300	169300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39		
20	PI2 BPSK	1	53	23.42	23.53	23.51	24.5	0.5
20	PI2 BPSK	1	104	23.39	23.50	23.48		
20	PI2 BPSK	50	0	22.95	23.05	23.04		
20	PI2 BPSK	50	28	23.31	23.46	23.32	24.5	0.5
20	PI2 BPSK	50	56	22.91	23.00	22.85		
20	PI2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.51	23.56	23.55	25.0	0.0
20	QPSK	1	53	23.35	23.50	23.46		
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52	24.0	1.0
20	QPSK	50	28	23.38	23.52	23.42		
20	QPSK	50	56	22.24	22.36	22.24		
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0
20	16QAM	1	1	22.31	22.38	22.37		
20	64QAM	1	1	20.89	20.96	20.89		
20	256QAM	1	1	19.20	19.42	19.27	20.5	4.5
Channel				163300	167300	169300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.46	23.56	23.53	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	21.0	0.0
Frequency (MHz)				25.10	25.35	25.60		
20	PI/2 BPSK	1	1	19.52	19.56	19.33		
20	PI/2 BPSK	1	53	19.38	19.46	19.43	21.0	0.0
20	PI/2 BPSK	1	104	19.30	19.52	19.40		
20	PI/2 BPSK	50	0	19.39	19.44	19.40		
20	PI/2 BPSK	50	26	19.49	19.53	19.44	21.0	0.0
20	PI/2 BPSK	50	56	19.57	19.38	19.46	21.0	0.0
20	PI/2 BPSK	100	0	19.40	19.48	19.43	21.0	0.0
20	QPSK	1	1	19.35	19.52	19.35		
20	QPSK	1	53	19.44	19.48	19.52		
20	QPSK	1	104	19.49	19.47	19.40	21.0	0.0
20	QPSK	50	0	19.48	19.45	19.47		
20	QPSK	50	26	19.56	19.57	19.54		
20	QPSK	50	56	19.41	19.48	19.41	21.0	0.0
20	QPSK	100	0	19.53	19.54	19.48	21.0	0.0
20	16QAM	1	1	19.52	19.56	19.37		
20	64QAM	1	1	19.51	19.52	19.37		
20	256QAM	1	1	19.53	19.66	19.69	20.0	1.0
Channel				503000	507000	512500	21.0	0.0
Frequency (MHz)				25.07.5	25.35	25.62.5		
15	QPSK	1	1	19.49	19.45	19.35		
Channel				501000	507000	513000	21.0	0.0
Frequency (MHz)				25.05	25.35	25.65		
10	QPSK	1	1	19.41	19.54	19.41		
Channel				500500	507000	513500	21.0	0.0
Frequency (MHz)				25.02.5	25.35	25.67.5		
5	QPSK	1	1	19.42	19.54	19.37		

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	513000	24.5	0.0
Frequency (MHz)				25.10	25.35	25.60		
20	PI/2 BPSK	1	1	23.05	23.17	23.10		
20	PI/2 BPSK	1	53	23.01	23.06	23.09	24.0	0.5
20	PI/2 BPSK	1	104	23.04	23.17	23.00		
20	PI/2 BPSK	50	0	22.58	22.61	22.46		
20	PI/2 BPSK	50	26	23.00	23.05	23.07	24.0	0.5
20	PI/2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5
20	PI/2 BPSK	100	0	22.60	22.56	22.49		
20	QPSK	1	1	23.11	23.20	23.16		
20	QPSK	1	53	23.08	23.13	23.05	24.5	0.0
20	QPSK	1	104	22.95	23.19	23.11	23.5	1.0
20	QPSK	50	0	22.20	22.23	22.11		
20	QPSK	50	26	22.35	23.05	23.03		
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97		
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	19.63	19.62	19.59	20.0	4.5
Channel				501500	507000	512500	24.5	0.0
Frequency (MHz)				25.07.5	25.35	25.62.5		
15	QPSK	1	1	22.99	23.07	23.04		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				25.05	25.35	25.65		
10	QPSK	1	1	23.01	23.07	23.03		
Channel				500500	507000	513500	24.5	0.0
Frequency (MHz)				25.02.5	25.35	25.67.5		
5	QPSK	1	1	22.99	23.15	23.04		

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				25.10	25.35	25.60		
20	PI/2 BPSK	1	1	23.00	23.02	22.93		
20	PI/2 BPSK	1	53	22.82	22.97	22.96	24.0	0.5
20	PI/2 BPSK	1	104	22.89	22.95	22.92		
20	PI/2 BPSK	50	0	22.51	22.96	22.52		
20	PI/2 BPSK	50	26	22.86	23.00	22.99	24.5	0.0
20	PI/2 BPSK	50	56	22.52	22.60	22.48	24.0	0.5
20	PI/2 BPSK	100	0	22.46	22.52	22.43		
20	QPSK	1	1	22.36	23.05	23.00		
20	QPSK	1	53	22.89	23.02	22.88	24.5	0.0
20	QPSK	1	104	22.86	23.00	22.93	23.5	1.0
20	QPSK	50	0	22.02	22.10	22.06		
20	QPSK	50	26	22.50	22.98	22.95		
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.92	21.99	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77		
20	64QAM	1	1	20.34	20.35	20.29		
20	256QAM	1	1	19.63	19.68	19.57	20.0	4.5
Channel				501500	507000	512500	24.5	0.0
Frequency (MHz)				25.07.5	25.35	25.62.5		
15	QPSK	1	1	22.83	23.03	22.97		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				25.05	25.35	25.65		
10	QPSK	1	1	23.04	23.02	23.00		
Channel				500500	507000	513500	24.5	0.0
Frequency (MHz)				25.02.5	25.35	25.67.5		
5	QPSK	1	1	22.93	22.97	22.98		

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0
15	PI/2 BPSK	1	40	23.05	23.17	23.07		
15	PI/2 BPSK	1	77	23.08	23.20	23.12		
15	PI/2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5
15	PI/2 BPSK	36	22	23.05	23.18	23.29	24.5	0.0
15	PI/2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5
15	PI/2 BPSK	75	0	22.58	22.72	22.59	24.5	0.0
15	QPSK	1	1	23.05	23.20	23.21		
15	QPSK	1	40	23.20	23.13	23.08		
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.06	22.00		
15	QPSK	36	22	23.22	23.29	23.15		
15	QPSK	36	43	22.09	22.08	22.05	23.5	1.0
15	QPSK	75	0	22.00	22.19	22.06	23.5	1.0
15	16QAM	1	1	21.87	21.95	21.90		
15	64QAM	1	1	20.48	20.59	20.38		
15	256QAM	1	1	19.16	19.24	19.07	20.0	4.5
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.13	23.27	23.15	24.5	0.0

n12_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0
15	PI/2 BPSK	1	40	23.11	23.25	23.19		
15	PI/2 BPSK	1	77	23.30	23.31	23.17		
15	PI/2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5
15	PI/2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0
15	PI/2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5
15	PI/2 BPSK	75	0	22.66	22.80	22.67	24.5	0.0
15	QPSK	1	1	23.20	23.26	23.24		
15	QPSK	1	40	23.26	23.28	23.19		
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0
15	QPSK	36	0	22.09	22.12	22.09		
15	QPSK	36	22	23.25	23.30	23.24		
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0
15	16QAM	1	1	21.97	22.10	22.02		
15	64QAM	1	1	20.59	20.80	20.48		
15	256QAM	1	1	19.12	19.18	19.16	20.0	4.5
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.26	23.29	23.16	24.5	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0

n66_Ant 1

n66_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				345000	349000	353000				
				1725	1745	1765				
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0		
30	PI2 BPSK	1	80	23.17	23.20	23.19				
30	PI2 BPSK	1	158	23.11	23.22	23.10				
30	PI2 BPSK	80	0	22.69	22.75	22.67				
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0		
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.5		
30	PI2 BPSK	160	0	22.60	22.66	22.54	24.5	0.0		
30	QPSK	1	1	23.20	23.30	23.24				
30	QPSK	1	80	23.19	23.25	23.12				
30	QPSK	1	158	23.17	23.21	23.17				
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0		
30	QPSK	80	40	23.20	23.23	23.22	24.5	0.0		
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0		
30	QPSK	160	0	22.05	22.20	22.15	23.5	1.0		
30	16QAM	1	1	21.80	21.93	21.86				
30	16QAM	1	1	20.37	20.48	20.47				
30	256QAM	1	1	19.02	19.06	18.96				
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
				1720	1745	1770				
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0		
Channel										
				345000	349000	353000				
				1712	1745	1773				
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0		
Channel										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
				1715	1745	1775				
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0		
Channel										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
				1712	1745	1773				
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0		

n66_Ant 2

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
				345000	349000	353000		
Frequency (MHz)								
				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.66	22.61	22.59		
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.58	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0
30	QPSK	1	1	23.17	23.27	23.12		
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.19	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.85	21.82		
30	64QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.84		
Channel								
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				1720	1745	1770		
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel								
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				1717.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel								
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel								
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
				1712.5	1745	1772.5		
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

n66_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				345000	349000	353000		
				1725	1745	1765		
30	PI2 BPSK	1	1	22.81	22.90	22.76		
30	PI2 BPSK	1	80	22.86	22.87	22.83	24.5	0.0
30	PI2 BPSK	1	158	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.39	22.45	22.36	24.0	0.5
30	PI2 BPSK	80	40	22.85	22.89	22.80	24.5	0.0
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24		
30	QPSK	1	1	22.89	22.93	22.83		
30	QPSK	1	80	22.85	22.90	22.76	24.5	0.0
30	QPSK	1	158	22.83	22.88	22.77		
30	QPSK	80	0	21.84	21.96	21.91	23.5	1.0
30	QPSK	80	40	22.25	22.50	22.17	24.5	0.0
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0
30	QPSK	160	0	21.80	21.90	21.87		
30	16QAM	1	1	21.82	21.70	21.56	23.5	1.0
30	64QAM	1	1	20.17	20.31	20.26	22.0	2.5
30	256QAM	1	1	18.31	18.33	18.79	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.72	22.82	22.68	24.5	0.0
Channel								
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1742.5	1745	1772.5		
15	QPSK	1	1	22.78	22.82	22.76	24.5	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0
Channel								
Frequency (MHz)				345000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1777.5		
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	24.5	0.0
Frequency (MHz)				670.5	660.5	660.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22		
15	PI2 BPSK	1	40	23.12	23.18	23.04	24.0	0.5
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	22.67	22.71	22.69		
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.0	0.5
15	PI2 BPSK	36	43	22.66	22.67	22.62		
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.25	23.26	23.27	24.5	0.0
15	QPSK	1	40	23.17	23.25	23.18		
15	QPSK	1	77	23.07	23.13	23.10		
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0
15	QPSK	36	22	23.15	23.25	23.18		
15	QPSK	36	43	22.09	22.10	22.08		
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	22.0	2.5
Channel				133.100	135.100	137.100	24.5	0.0
Frequency (MHz)				668	660.5	663		
10	QPSK	1	1	23.16	23.19	23.25		
Channel				133.100	136.100	139.100	24.5	0.0
Frequency (MHz)				663.5	660.5	660.5		
5	QPSK	1	1	23.17	23.19	23.23		

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	24.5	0.0
Frequency (MHz)				670.5	660.5	660.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26		
15	PI2 BPSK	1	40	23.18	23.21	23.13	24.0	0.5
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.83	22.69		
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.0	0.5
15	PI2 BPSK	36	43	22.74	22.78	22.67		
15	PI2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.34	23.35	23.33	24.5	0.0
15	QPSK	1	40	23.26	23.32	23.22		
15	QPSK	1	77	23.16	23.28	23.16		
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0
15	QPSK	36	22	23.27	23.28	23.25		
15	QPSK	36	43	22.13	22.21	22.17		
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.26	19.29	19.15	20.0	4.5
Channel				133.100	135.100	137.100	24.5	0.0
Frequency (MHz)				668	660.5	663		
10	QPSK	1	1	23.31	23.28	23.27		
Channel				133.100	136.100	139.100	24.5	0.0
Frequency (MHz)				663.5	660.5	660.5		
5	QPSK	1	1	23.38	23.25	23.19		

n38_Ant 1									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. Freq. (MHz)	Power Mean Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time gap (ms)	MPT (dB)	
Channel				51984	51992	51998			
Frequency (MHz)									
40	PUSC BPSK	1	1	18.73	18.82	18.92			
40	PUSC BPSK	1	33	18.69	18.75	18.85	20.5	0.0	
40	PUSC BPSK	1	104	18.71	18.83	18.97			
40	PUSC BPSK	90	0	18.81	18.84	18.91	20.5	0.0	
40	PUSC BPSK	90	26	18.84	18.86	18.71	20.5	0.0	
40	PUSC BPSK	90	56	18.89	18.79	18.68	20.5	0.0	
40	PUSC BPSK	90	0	18.88	18.77	18.76			
40	QPSK	1	1	18.73	18.96	18.71			
40	QPSK	1	33	18.69	18.71	18.82	20.5	0.0	
40	QPSK	1	104	18.77	18.77	18.76			
40	QPSK	90	0	18.84	18.82	18.89	20.5	0.0	
40	QPSK	90	26	18.75	18.83	18.76	20.5	0.0	
40	QPSK	90	56	18.83	18.85	18.76	20.5	0.0	
40	QPSK	90	0	18.85	18.72	18.67			
40	QPSK	90	1	18.76	18.71	18.71	20.5	0.0	
40	QPSK	1	1	18.73	18.86	18.67	20.5	0.0	
40	QPSK	1	1	18.73	18.89	18.76	20.5	0.0	
Channel				51992	51998	52004	Time gap (ms)	MPT (dB)	
Frequency (MHz)									
30	QPSK	1	1	18.76	18.86	18.96	20.5	0.0	
Channel				51998	52004	52010	Time gap (ms)	MPT (dB)	
Frequency (MHz)									
20	QPSK	1	1	18.73	18.85	18.97	20.5	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C/I (dB))	Power Mean (C/I (dB))	Power High (C/I (dB))	Timegap (ms)		
Channel				51984	51992	51998			
Frequency (MHz)									
40	PUSC BPSK	1	1	23.19	23.22	23.28			
40	PUSC BPSK	1	33	23.42	23.45	23.42	24.5	0.0	
40	PUSC BPSK	1	104	23.42	23.31	23.28			
40	PUSC BPSK	90	0	23.41	23.42	23.42	24.5	0.0	
40	PUSC BPSK	90	26	23.35	23.37	23.42	24.5	0.0	
40	PUSC BPSK	90	56	23.39	22.88	22.85	24.0	0.5	
40	PUSC BPSK	90	0	23.38	23.43	23.41			
40	QPSK	1	1	23.19	23.37	23.15			
40	QPSK	1	33	23.29	23.35	23.42	24.5	0.0	
40	QPSK	1	104	23.43	23.33	23.31			
40	QPSK	90	0	23.25	23.32	23.39	24.5	1.0	
40	QPSK	90	26	23.25	23.34	23.32	24.5	0.0	
40	QPSK	90	56	23.27	23.36	23.32	24.5	0.0	
40	QPSK	90	0	23.29	23.30	23.28	24.5	1.0	
40	QPSK	1	1	23.19	23.14	23.01	23.5	1.0	
40	QPSK	1	1	23.25	23.35	23.35	23.5	2.5	
40	QPSK	1	1	18.95	18.14	18.10	20.0	4.5	
Channel									
Frequency (MHz)				23851	23855	23854.98			
30	QPSK	1	1	23.24	23.25	23.42	24.5	0.0	
Channel									
Frequency (MHz)				23851	23855	23855			
30	QPSK	1	1	23.26	23.35	23.41	24.5	0.0	

n38_Ant_4									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low (C/I (dB))	Power Mean (C/I (dB))	Power High (C/I (dB))	Time gap (ms)	MPT (dB)	
Channel				51984	51992	51998			
Frequency (MHz)									
40	PUSC BPSK	1	1	23.89	23.83	23.84			
40	PUSC BPSK	1	33	23.79	23.86	23.88	24.5	0.0	
40	PUSC BPSK	1	104	22.81	22.85	22.87			
40	PUSC BPSK	90	0	22.42	22.57	22.54	24.0	0.0	
40	PUSC BPSK	90	26	22.85	23.82	23.85	24.5	0.0	
40	PUSC BPSK	90	56	22.41	22.45	22.38	24.0	0.5	
40	PUSC BPSK	90	0	22.38	22.47	22.35			
40	QPSK	1	1	23.19	23.18	23.19			
40	QPSK	1	33	23.01	23.02	23.01	24.5	0.0	
40	QPSK	1	104	23.09	23.02	23.02			
40	QPSK	90	0	21.82	21.86	21.96	24.5	1.0	
40	QPSK	90	26	22.85	22.84	23.01	24.5	0.0	
40	QPSK	90	56	21.84	21.82	21.81	24.5	1.0	
40	QPSK	90	0	21.99	21.95	21.98	24.5	1.0	
40	QPSK	1	1	21.71	21.80	21.78	23.5	1.0	
40	QPSK	1	1	20.25	20.45	20.35	23.5	2.5	
40	QPSK	1	1	18.80	18.30	18.00	20.0	4.5	
Channel				51999 <th>52005<th>52006<th>Time gap (ms)<th colspan="2">MPT (dB)</th></th></th></th>	52005 <th>52006<th>Time gap (ms)<th colspan="2">MPT (dB)</th></th></th>	52006 <th>Time gap (ms)<th colspan="2">MPT (dB)</th></th>	Time gap (ms) <th colspan="2">MPT (dB)</th>	MPT (dB)	
Frequency (MHz)				23851	23855	23855.02 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
30	QPSK	1	1	22.97	22.94	22.94	24.5	0.0	
Channel				52007 <th>52013<th>52014<th>Time gap (ms)<th colspan="2">MPT (dB)</th></th></th></th>	52013 <th>52014<th>Time gap (ms)<th colspan="2">MPT (dB)</th></th></th>	52014 <th>Time gap (ms)<th colspan="2">MPT (dB)</th></th>	Time gap (ms) <th colspan="2">MPT (dB)</th>	MPT (dB)	
Frequency (MHz)				23851	23855	23855.02 <th><th colspan="2"></th></th>	<th colspan="2"></th>		
30	QPSK	1	1	23.01	22.97	22.94	24.5	0.0	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turnup time (min)	MPTT (dB)	
Channel				2500.00	5.0000	2500.00			
Frequency (MHz)				2500.01	2500.99	2500			
100	PSS-BPSK	1	1	18.80	18.90	18.81			
100	PSS-BPSK	1	137	18.90	19.00	18.70	20.0		
100	PSS-BPSK	1	271	18.91	18.70	18.70			
100	PSS-BPSK	100	0	18.80	18.90	18.81	20.0		
100	PSS-BPSK	100	90	18.91	18.71	18.70	20.0		
100	PSS-BPSK	100	130	18.87	18.93	18.88	20.0		
100	PSS-BPSK	200	0	18.80	18.90	18.80			
100	QPSK	1	1	18.80	18.70	18.70			
100	QPSK	1	137	18.89	18.87	18.88	20.0		
100	QPSK	1	271	18.77	18.80	18.80			
100	QPSK	100	0	18.91	18.88	18.71	20.0		
100	QPSK	100	90	18.80	18.71	18.70	20.0		
100	QPSK	100	130	18.80	18.80	18.80	20.0		
100	QPSK	200	0	18.80	18.72	18.70			
100	QPSK	270	0	18.80	18.72	18.70			
100	QPSK	1	1	18.76	18.54	18.71	20.0		
100	QPSK	1	1	18.70	18.70	18.80	20.0		
100	QPSK	1	1	18.60	18.82	18.80	20.0		
Channel				2501	2502.99	2504.00			
Frequency (MHz)				2501	2502.99	2504.00			
50	QPSK	1	1	18.90	18.72	18.70	20.0		
Channel				2502.01	2503.99	2504.00			
Frequency (MHz)				2502.01	2503.99	2504.00			
80	QPSK	1	1	18.87	18.81	18.70	20.0		
Channel				2503.01	2503.99	2503.99			
Frequency (MHz)				2503.01	2503.99	2503.99			
70	QPSK	1	1	18.82	18.82	18.80	20.0		
Channel				2504.01	2504.99	2505.00			
Frequency (MHz)				2504.01	2504.99	2505.00			
60	QPSK	1	1	18.82	18.82	18.70	20.0		
Channel				2505.01	2505.99	2506.00			
Frequency (MHz)				2505.01	2505.99	2506.00			
50	QPSK	1	1	18.80	18.70	18.60	20.0		
Channel				2506.01	2506.99	2507.00			
Frequency (MHz)				2506.01	2506.99	2507.00			
40	QPSK	1	1	18.80	18.70	18.70	20.0		
Channel				2507.01	2507.99	2508.00			
Frequency (MHz)				2507.01	2507.99	2508.00			
30	QPSK	1	1	18.87	18.70	18.70	20.0		
Channel				2508.01	2508.99	2509.00			
Frequency (MHz)				2508.01	2508.99	2509.00			
20	QPSK	1	1	18.87	18.81	18.70	20.0		

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turnup time (min)	MPTT (dB)	
Channel				2500.00	5.0000	2500.00			
Frequency (MHz)				2500.01	2500.99	2500			
100	PSS-BPSK	1	1	24.76	24.87	24.80			
100	PSS-BPSK	1	137	24.80	24.71	24.70	20.0		
100	PSS-BPSK	1	271	24.70	24.50	24.60			
100	PSS-BPSK	100	0	24.66	24.12	24.10	20.0		
100	PSS-BPSK	100	90	24.50	24.06	24.10	20.0		
100	PSS-BPSK	100	130	24.04	24.10	24.11	20.0		
100	PSS-BPSK	200	0	24.00	24.00	24.00			
100	QPSK	1	1	24.00	24.10	24.10			
100	QPSK	1	137	24.00	24.00	24.00	20.0		
100	QPSK	1	271	24.10	24.00	24.00			
100	QPSK	100	0	23.96	23.82	23.80	20.0		
100	QPSK	100	90	24.10	24.00	24.00	20.0		
100	QPSK	100	130	23.92	23.80	23.80	20.0		
100	QPSK	200	0	23.90	23.80	23.80			
100	QPSK	270	0	23.90	23.80	23.80			
100	QPSK	1	1	23.86	23.82	23.80	20.0		
100	QPSK	1	1	23.84	23.80	23.10	20.0		
100	QPSK	1	1	23.80	23.80	23.70	20.0		
Channel				2501	2502.99	2504.00			
Frequency (MHz)				2501	2502.99	2504.00			
50	QPSK	1	1	24.80	24.60	24.70	20.0		
Channel				2502.01	2503.99	2504.00			
Frequency (MHz)				2502.01	2503.99	2504.00			
80	QPSK	1	1	24.70	24.60	24.60	20.0		
Channel				2503.01	2503.99	2503.99			
Frequency (MHz)				2503.01	2503.99	2503.99			
70	QPSK	1	1	24.67	24.57	24.57	20.0		
Channel				2504.01	2504.99	2505.00			
Frequency (MHz)				2504.01	2504.99	2505.00			
60	QPSK	1	1	24.60	24.50	24.50	20.0		
Channel				2505.01	2505.99	2506.00			
Frequency (MHz)				2505.01	2505.99	2506.00			
50	QPSK	1	1	24.50	24.40	24.40	20.0		
Channel				2506.01	2506.99	2507.00			
Frequency (MHz)				2506.01	2506.99	2507.00			
40	QPSK	1	1	24.50	24.50	24.50	20.0		
Channel				2507.01	2507.99	2508.00			
Frequency (MHz)				2507.01	2507.99	2508.00			
30	QPSK	1	1	24.50	24.50	24.50	20.0		
Channel				2508.01	2508.99	2509.00			
Frequency (MHz)				2508.01	2508.99	2509.00			
20	QPSK	1	1	24.11	24.00	24.00	20.0		

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turnup time (min)	MPTT (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	24.41	24.20	24.10			
100	PSS-BPSK	1	137	24.10	24.00	24.07	20.0		
100	PSS-BPSK	1	271	24.10	24.00	24.00			
100	PSS-BPSK	100	0	24.16	23.87	23.80	20.0	0.5	
100	PSS-BPSK	100	90	24.10	24.04	24.00	20.0	0.0	
100	PSS-BPSK	100	130	23.90	23.90	23.80	20.0	0.0	
100	PSS-BPSK	200	0	24.00	23.90	24.00		0.0	0.0
100	QPSK	1	1	24.00	24.10	24.10			
100	QPSK	1	137	24.17	24.11	24.07	20.0	0.0	
100	QPSK	1	271	24.10	24.00	24.00			
100	QPSK	100	0	23.92	23.10	23.80	20.0	0.0	
100	QPSK	100	90	24.10	24.11	24.00	20.0	0.0	
100	QPSK	100	130	23.11	23.90	23.80	20.0	0.0	
100	QPSK	200	0	23.10	23.10	23.80		0.0	0.0
100	QPSK	270	0	23.10	23.10	23.80		0.0	0.0
100	QPSK	1	1	23.10	23.07	23.00	20.0	0.0	0.0
100	QPSK	1	1	23.00	23.14	23.10	20.0	0.0	0.0
100	QPSK	1	1	23.00	23.17	23.10	20.0	0.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.20	24.10	24.10	20.0		
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.27	24.16	24.10	20.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.31	24.21	24.10	20.0		
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.30	24.17	24.10	20.0		
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.31	24.17	24.14	20.0		
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.20	24.10	24.00	20.0		

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB [KHz]	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				65000		65000			
Frequency [MHz]				3489.98					
100	PSS-BPSK	1	1	16.34				17.0	0.0
100	PSS-BPSK	1	137	16.35					
100	PSS-BPSK	1	271	16.40					
100	PSS-BPSK	150	0	16.36				17.0	0.0
100	PSS-BPSK	150	95	16.33				17.0	0.0
100	PSS-BPSK	150	138	16.32				17.0	0.0
100	PSS-BPSK	270	0	16.37					
100	QPSK	1	1	16.32					
100	QPSK	1	137	16.23				17.0	0.0
100	QPSK	1	271	16.30					
100	QPSK	150	0	16.26				17.0	0.0
100	QPSK	150	95	16.40				17.0	0.0
100	QPSK	150	138	16.36				17.0	0.0
100	QPSK	270	0	16.40					
100	QAM	1	1	16.22				17.0	0.0
100	QAM	1	1	16.25				17.0	0.0
100	QAM	1	1	16.25				17.0	0.0
Channel									
Frequency [MHz]				3489.98		3489.98		Turnup Int. [dBm]	
50	QPSK	1	1	16.46	16.45	16.47	17.0	0.0	
Channel									
Frequency [MHz]				3490.00		3490.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.27	16.45	16.47	17.0	0.0	
Channel									
Frequency [MHz]				3491.01		3491.01		Turnup Int. [dBm]	
50	QPSK	1	1	16.41	16.38	16.39	17.0	0.0	
Channel									
Frequency [MHz]				3491.02		3491.02		Turnup Int. [dBm]	
50	QPSK	1	1	16.42	16.40	16.41	17.0	0.0	
Channel									
Frequency [MHz]				3491.02		3491.02		Turnup Int. [dBm]	
50	QPSK	1	1	16.45	16.40	16.40	17.0	0.0	

Part27Q_n77_Ant 1									
BW [MHz]	Modulation	RB [KHz]	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				65000		65000			
Frequency [MHz]				3700		3690			
100	PSS-BPSK	1	1	16.09	16.23	16.08		17.0	0.0
100	PSS-BPSK	1	137	16.09	16.21	16.10			
100	PSS-BPSK	1	271	16.10	16.18	16.10			
100	PSS-BPSK	150	0	16.16	16.07	16.06		17.0	0.0
100	PSS-BPSK	150	95	16.22	16.17	16.16		17.0	0.0
100	PSS-BPSK	150	138	16.19	16.20	16.12		17.0	0.0
100	PSS-BPSK	270	0	16.08	16.05	16.06			
100	QPSK	1	1	16.13	16.36	16.10			
100	QPSK	1	137	16.07	16.10	16.02		17.0	0.0
100	QPSK	1	271	16.00	16.10	16.14			
100	QPSK	150	0	16.14	16.26	16.09		17.0	0.0
100	QPSK	150	95	16.15	16.20	16.10		17.0	0.0
100	QPSK	150	138	16.04	16.22	16.14		17.0	0.0
100	QPSK	270	0	16.16	16.20	16.17			
100	QAM	1	1	16.11	16.14	16.10		17.0	0.0
100	QAM	1	1	16.06	16.10	16.10		17.0	0.0
100	QAM	1	1	16.09	16.20	16.06		17.0	0.0
Channel									
Frequency [MHz]				3700.01		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.12	16.20	16.10	17.0	0.0	
Channel									
Frequency [MHz]				3700.02		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.23	16.20	16.11	17.0	0.0	
Channel									
Frequency [MHz]				3701.01		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.17	16.16	16.09	17.0	0.0	
Channel									
Frequency [MHz]				3711.02		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.13	16.16	16.10	17.0	0.0	
Channel									
Frequency [MHz]				3711.01		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	16.15	16.15	16.10	17.0	0.0	

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB [KHz]	RB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turn-up Int. [dBm]	MPT [dB]	
Channel				65000		65000			
Frequency [MHz]				3489.98					
100	PSS-BPSK	1	1	22.07				23.0	0.0
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	22.05					
100	PSS-BPSK	150	0	21.98				22.5	0.0
100	PSS-BPSK	150	95	21.95				22.5	0.0
100	PSS-BPSK	150	138	21.49				22.5	0.0
100	PSS-BPSK	270	0	21.36					
100	QPSK	1	1	22.14					
100	QPSK	1	137	22.05				23.0	0.0
100	QPSK	1	271	21.87					
100	QPSK	150	0	21.90				22.9	1.0
100	QPSK	150	95	22.00				22.9	0.0
100	QPSK	150	138	22.00				22.9	0.0
100	QPSK	270	0	22.04				22.9	1.0
100	QAM	1	1	22.01				22.5	1.0
100	SIG-BM	1	1	16.46				22.5	2.0
100	SIG-BM	1	1	16.31				16.3	4.5
Channel				65000		65000			
Frequency [MHz]				3489.98		3489.98		Turnup Int. [dBm]	
50	QPSK	1	1	22.07	22.09	22.06	22.0	0.0	
Channel				65000		65000			
Frequency [MHz]				3490.00		3490.00		Turnup Int. [dBm]	
50	QPSK	1	1	22.00	22.05	22.03	22.0	0.0	
Channel				65000		65000			
Frequency [MHz]				3491.01		3490.00		Turnup Int. [dBm]	
50	QPSK	1	1	22.07	22.06	22.06	22.0	0.0	
Channel				65000		65000			
Frequency [MHz]				3491.02		3490.00		Turnup Int. [dBm]	
50	QPSK	1	1	22.00	22.06	22.06	22.0	0.0	
Channel				65000		65000			
Frequency [MHz]				3491.02		3490.00		Turnup Int. [dBm]	
50	QPSK	1	1	22.07	22.07	22.06	22.0	0.0	

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB [KHz]	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turnup Int. [dBm]	MPT [dB]	
Channel				65000		65000			
Frequency [MHz]				3700		3690			
100	PSS-BPSK	1	1	22.17	22.29	22.17		23.0	0.0
100	PSS-BPSK	1	137	22.15	22.27	22.09			
100	PSS-BPSK	1	271	22.09	22.28	22.11			
100	PSS-BPSK	150	0	21.76	21.80	21.72		22.5	0.0
100	PSS-BPSK	150	95	22.21	22.20	22.15		22.5	0.0
100	PSS-BPSK	150	138	21.79	21.73	21.65		22.5	0.0
100	PSS-BPSK	270	0	21.71	21.76	21.69			
100	QPSK	1	1	22.13	22.36	22.11			
100	QPSK	1	137	22.15	22.25	22.10		23.0	0.0
100	QPSK	1	271	22.13	22.20	22.12			
100	QPSK	150	0	21.18	21.23	21.10		22.9	1.0
100	QPSK	150	95	22.25	22.26	22.11		22.9	0.0
100	QPSK	150	138	21.45	21.19	21.40		22.9	1.0
100	QPSK	270	0	21.19	21.14	21.11		22.9	1.0
100	QAM	1	1	21.96	21.18	21.14		22.5	1.0
100	QAM	1	1	16.50	16.70	16.50		22.5	2.0
100	QAM	1	1	16.42	16.30	16.20		16.3	4.5
Channel									
Frequency [MHz]				3700.01		3690.00		Turnup Int. [dBm]	
50	QPSK	1	1	22.11	22.23	22.04	22.0	0.0	

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Desc	SB Offset	Power Low Ch. 1 [Fem]	Power Max Ch. 1 [Fem]	Power High Ch. 1 [Fem]	Turn-on Int. [dBm]	MFR [dB]	
Channel				63332		3488.98			
Frequency [MHz]									
100	PSSBPSK	1	1	22.80	22.80	22.80		23.0	0.0
100	PSSBPSK	1	137	22.95	22.95	22.95			
100	PSSBPSK	1	271	22.98	22.98	22.98			
100	PSSBPSK	156	6	22.97	22.97	22.97		24.5	0.0
100	PSSBPSK	156	96	22.98	22.98	22.98		24.5	0.0
100	PSSBPSK	156	138	22.93	22.97	22.94		24.5	0.5
100	PSSBPSK	270	0	22.90	22.90	22.90			
100	QPSK	1	1	22.94	22.94	22.94		23.0	0.0
100	QPSK	1	137	22.97	22.97	22.97			
100	QPSK	1	271	22.95	22.95	22.95			
100	QPSK	156	6	22.98	22.98	22.98		24.5	1.0
100	QPSK	156	96	22.98	22.97	22.97		24.5	0.0
100	QPSK	156	138	22.97	22.98	22.97		24.5	1.0
100	QPSK	270	0	22.94	22.97	22.95			
100	QAM	1	1	22.48	22.48	22.48		24.5	1.0
100	QAM	1	1	22.48	22.48	22.48		24.5	2.5
100	QAM	1	1	18.27	18.27	18.27		24.0	4.5
Channel				3488.98		3488.98		3488.98	
50	QPSK	1	1	22.99	22.99	22.99	22.0	24.0	0.0
Channel				3488.98		3488.98		3488.98	
50	QPSK	1	1	22.93	22.93	22.93	22.0	24.0	0.0
Channel				3473.21		3488.98		3488.98	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1	22.82	22.82	22.82	22.0	24.0	0.0
Channel				3473.21		3473.21		3473.21	
50	QPSK	1	1						

Reduced Power Mode for ECI 15

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PI2 BPSK	1	1	21.47	21.65	21.50	23.0	0.0	
20	PI2 BPSK	1	53	21.46	21.59	21.59			
20	PI2 BPSK	1	104	21.46	21.62	21.58			
20	PI2 BPSK	50	0	21.46	21.65	21.45	23.0	0.0	
20	PI2 BPSK	50	26	21.56	21.54	21.49	23.0	0.0	
20	PI2 BPSK	50	56	21.48	21.56	21.53	23.0	0.0	
20	PI2 BPSK	100	0	21.45	21.64	21.49			
20	QPSK	1	1	21.50	21.66	21.60			
20	QPSK	1	53	21.56	21.54	21.59	23.0	0.0	
20	QPSK	1	104	21.57	21.66	21.52	23.0	0.0	
20	QPSK	50	0	21.57	21.53	21.45			
20	QPSK	50	26	21.58	21.66	21.58			
20	QPSK	50	56	21.47	21.54	21.54	23.0	0.0	
20	QPSK	100	0	21.57	21.62	21.56	23.0	0.0	
20	16QAM	1	1	21.52	21.54	21.49			
20	64QAM	1	1	20.24	20.33	20.30		22.0	
20	256QAM	1	1	18.82	18.88	18.87	20.0	3.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	21.48	21.60	21.55	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	21.44	21.64	21.56	23.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	21.51	21.53	21.51	23.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0	
20	PI2 BPSK	1	53	22.68	22.64	22.53			
20	PI2 BPSK	1	104	22.71	22.75	22.67			
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5	
20	PI2 BPSK	50	26	22.58	22.66	22.65	24.5	0.0	
20	PI2 BPSK	50	56	22.05	22.25	22.17	24.0	0.5	
20	PI2 BPSK	100	0	22.24	22.19	22.15			
20	QPSK	1	1	22.67	22.90	22.79			
20	QPSK	1	53	22.67	22.79	22.68	24.5	0.0	
20	QPSK	1	104	22.74	22.82	22.71	23.5	1.0	
20	QPSK	50	0	21.55	21.63	21.56			
20	QPSK	50	26	22.56	22.62	22.57			
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0	
20	QPSK	100	0	21.63	21.75	21.59	23.5	1.0	
20	16QAM	1	1	21.55	21.58	21.53			
20	64QAM	1	1	20.05	20.10	20.02		22.0	
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	22.46	22.59	22.64	24.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	22.74	22.78	22.68	24.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1867.5	(dBm)	(dB)	
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	21.49	21.59	21.56	23.0	0.0	0.0
20	PI2 BPSK	1	53	21.57	21.63	21.54			
20	PI2 BPSK	1	104	21.60	21.54	21.51			
20	PI2 BPSK	50	0	21.51	21.59	21.52	23.0	0.0	0.0
20	PI2 BPSK	50	26	21.59	21.68	21.46	23.0	0.0	0.0
20	PI2 BPSK	50	56	21.53	21.59	21.50	23.0	0.0	0.0
20	PI2 BPSK	100	0	21.55	21.63	21.49			
20	QPSK	1	1	21.64	21.66	21.60			
20	QPSK	1	53	21.53	21.61	21.57	23.0	0.0	0.0
20	QPSK	1	104	21.49	21.62	21.49	23.0	0.0	0.0
20	QPSK	50	0	21.59	21.61	21.55			
20	QPSK	50	26	21.62	21.65	21.58			
20	QPSK	50	56	21.60	21.63	21.55	23.0	0.0	0.0
20	QPSK	100	0	21.59	21.63	21.58	23.0	0.0	0.0
20	16QAM	1	1	21.59	21.64	21.59			
20	64QAM	1	1	20.09	20.19	20.10			
20	256QAM	1	1	18.55	18.70	18.63	20.0	3.0	3.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	21.53	21.66	21.51	23.0	0.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	21.63	21.55	21.53	23.0	0.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1867.5	(dBm)	(dB)	
5	QPSK	1	1	21.61	21.66	21.59	23.0	0.0	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0
20	PI2 BPSK	1	53	23.49	23.66	23.66		
20	PI2 BPSK	1	104	23.43	23.55	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.41	23.50	23.45		
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0
20	QPSK	1	104	23.45	23.56	23.58	24.0	1.0
20	QPSK	50	0	22.55	22.71	22.59		
20	QPSK	50	28	23.48	23.62	23.49		
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0
20	QPSK	100	0	22.38	22.57	22.42		
20	16QAM	1	1	22.36	22.53	22.45	24.0	1.0
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)
15	QPSK	1	1	23.50	23.66	23.49	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0
20	PI2 BPSK	1	53	23.42	23.53	23.51		
20	PI2 BPSK	1	104	23.38	23.50	23.48		
20	PI2 BPSK	50	0	22.95	23.06	23.04	24.5	0.5
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5
20	PI2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.41	23.50	23.45		
20	QPSK	1	53	23.35	23.50	23.46	25.0	0.0
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52		
20	QPSK	50	28	23.39	23.52	23.42	25.0	0.0
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0
20	QPSK	100	0	22.36	22.45	22.35		
20	16QAM	1	1	22.31	22.38	22.37	24.0	1.0
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.10	23.15	23.10		
20	PI2 BPSK	1	1	21.04	21.10	20.95	22.5	0.0
20	PI2 BPSK	1	53	20.98	21.10	21.05		
20	PI2 BPSK	1	104	21.05	21.05	21.00		
20	PI2 BPSK	50	0	21.02	21.04	20.98	22.5	0.0
20	PI2 BPSK	50	28	21.01	21.04	21.08	22.5	0.0
20	PI2 BPSK	50	56	21.09	21.03	21.03	22.5	0.0
20	PI2 BPSK	100	0	20.99	21.08	21.05	22.5	0.0
20	QPSK	1	1	21.12	21.15	21.10		
20	QPSK	1	53	21.06	21.04	21.07		
20	QPSK	1	104	21.03	21.04	20.99	22.5	0.0
20	QPSK	50	0	21.00	21.05	21.00	22.5	0.0
20	QPSK	50	28	21.09	21.13	21.08	22.5	0.0
20	QPSK	50	56	21.04	21.00	21.05	22.5	0.0
20	QPSK	100	0	21.10	21.12	21.08	22.0	0.5
20	16QAM	1	1	21.10	21.10	20.98		
20	64QAM	1	1	20.19	20.20	20.10		
20	256QAM	1	1	18.83	18.88	18.99	20.0	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	21.09	21.11	21.01	22.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	21.01	21.09	21.01	22.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	21.09	21.12	20.97	22.5	0.0

n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.10	23.15	23.10		
20	PI2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0
20	PI2 BPSK	1	53	23.01	23.06	23.09		
20	PI2 BPSK	1	104	23.04	23.17	23.00		
20	PI2 BPSK	50	0	22.88	22.61	22.46	24.0	0.5
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.60	22.56	22.49	24.5	0.0
20	QPSK	1	1	23.11	23.20	23.10		
20	QPSK	1	53	23.06	23.13	23.06		
20	QPSK	1	104	22.96	23.19	23.11	23.5	1.0
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	22.96	23.05	23.03	24.5	0.0
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97		
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.10	23.15	23.10		
20	PI2 BPSK	1	1	23.03	21.07	20.97	22.5	0.0
20	PI2 BPSK	1	53	20.96	21.03	20.92		
20	PI2 BPSK	1	104	20.94	21.05	20.95		
20	PI2 BPSK	50	0	20.99	20.98	20.95	22.5	0.0
20	PI2 BPSK	50	28	20.91	20.97	20.87	22.5	0.0
20	PI2 BPSK	50	56	20.94	20.99	20.91	22.5	0.0
20	PI2 BPSK	100	0	20.98	20.95	20.92	22.5	0.0
20	QPSK	1	1	21.04	21.06	21.00		
20	QPSK	1	53	20.99	21.02	20.96		
20	QPSK	1	104	20.91	21.02	20.99	22.5	0.0
20	QPSK	50	0	20.91	21.04	20.87	22.5	0.0
20	QPSK	50	28	21.00	21.06	20.99	22.5	0.0
20	QPSK	50	56	20.98	21.04	20.96	22.5	0.0
20	QPSK	100	0	20.98	21.02	20.90	22.5	0.0
20	16QAM	1	1	21.01	21.02	20.88		
20	64QAM	1	1	20.24	20.25	20.25		
20	256QAM	1	1	18.83	18.88	18.77	20.0	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	21.03	21.06	20.86	22.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	21.00	21.01	20.95	22.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	20.90	21.00	20.97	22.5	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI2 BPSK	1	40	23.05	23.17	23.07			
15	PI2 BPSK	1	77	23.26	23.20	23.12			
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5	
15	PI2 BPSK	36	22	23.05	23.16	23.29	24.5	0.0	
15	PI2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5	
15	PI2 BPSK	75	0	22.58	22.73	22.59			
15	QPSK	1	1	23.26	23.30	23.21			
15	QPSK	1	40	23.20	23.13	23.08	24.5	0.0	
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.05	22.00			
15	QPSK	36	22	23.25	23.29	23.18			
15	QPSK	36	43	22.06	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.05	23.5	1.0	
15	16QAM	1	1	21.87	21.95	21.90			
15	64QAM	1	1	20.48	20.59	20.35			
	256QAM	1	1	19.10	19.04	19.07	20.0	4.5	
Channel				140800	141000	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	24.5	0.0	
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0	
Channel				140300	141000	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.5	0.0	
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0	

n12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.11	23.25	23.19			
15	PI2 BPSK	1	77	23.30	23.31	23.17			
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5	
15	PI2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0	
15	PI2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5	
15	PI2 BPSK	75	0	22.66	22.80	22.67			
15	QPSK	1	1	23.30	23.36	23.24			
15	QPSK	1	40	23.26	23.28	23.19	24.5	0.0	
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0	
15	QPSK	36	0	22.09	22.12	22.00			
15	QPSK	36	22	23.26	23.30	23.24			
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0	
15	16QAM	1	1	21.97	22.10	22.02			
15	64QAM	1	1	20.59	20.60	20.48			
	256QAM	1	1	19.12	19.18	19.16	20.0	4.5	
Channel				140800	141000	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.16	24.5	0.0	
Channel				140300	141000	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	158	23.11	23.22	23.10		
30	PI2 BPSK	80	0	22.89	22.75	22.67	24.0	0.5
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.5
30	PI2 BPSK	160	0	22.80	22.66	22.54	24.5	0.0
30	QPSK	1	1	23.20	23.30	23.24		
30	QPSK	1	80	23.19	23.25	23.12		
30	QPSK	1	158	23.17	23.21	23.17	23.5	1.0
30	QPSK	80	0	22.16	22.22	22.21	24.5	0.0
30	QPSK	80	40	23.09	23.23	23.22	24.5	0.0
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.06	22.20	22.15	22.5	0.0
30	16QAM	1	1	21.80	21.80	21.86		
30	64QAM	1	1	20.37	20.48	20.47		
30	256QAM	1	1	19.02	19.05	18.96	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.08	23.19	23.10	24.5	0.0
Channel				343000	349000	345000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342000	349000	350500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1769		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.66	22.61	22.59	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.58	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0
30	QPSK	1	1	23.17	23.27	23.12		
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.06	23.5	1.0
30	QPSK	80	0	22.15	22.17	22.20	24.5	0.0
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.15	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.89	21.82		
30	64QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343000	349000	345000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342000	349000	350500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1769		
30	PI2 BPSK	1	1	20.90	20.89	20.74	22.5	0.0
30	PI2 BPSK	1	80	20.76	20.88	20.74		
30	PI2 BPSK	1	158	20.84	20.93	20.73		
30	PI2 BPSK	80	0	20.88	20.82	20.79	22.5	0.0
30	PI2 BPSK	80	40	20.87	20.82	20.75	22.5	0.0
30	PI2 BPSK	80	80	20.81	20.84	20.85	22.5	0.0
30	PI2 BPSK	160	0	20.78	20.89	20.85	22.5	0.0
30	QPSK	1	1	20.91	20.95	20.88		
30	QPSK	1	80	20.86	20.81	20.85		
30	QPSK	1	158	20.81	20.94	20.83	22.5	0.0
30	QPSK	80	0	20.88	20.89	20.76	22.5	0.0
30	QPSK	80	40	20.89	20.93	20.83	22.5	0.0
30	QPSK	80	80	20.87	20.86	20.78	22.5	0.0
30	QPSK	160	0	20.86	20.90	20.73	22.5	0.0
30	16QAM	1	1	20.76	20.86	20.82		
30	64QAM	1	1	20.17	20.31	20.26		
30	256QAM	1	1	18.81	18.83	18.79	20.0	2.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.79	20.85	20.79	22.5	0.0
Channel				343000	349000	345000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.89	20.90	20.80	22.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.87	20.92	20.81	22.5	0.0
Channel				342000	349000	350500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.84	20.90	20.86	22.5	0.0

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				680.5	680.5	680.5			
15	PI/2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI/2 BPSK	1	40	23.12	23.18	23.04			
15	PI/2 BPSK	1	77	23.16	23.17	23.10			
15	PI/2 BPSK	36	0	22.67	22.71	22.69	24.0	0.5	
15	PI/2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI/2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI/2 BPSK	75	0	22.72	22.73	22.77			
15	QPSK	1	1	23.20	23.26	23.27			
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0	
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0	
15	QPSK	36	0	21.99	22.06	21.91			
15	QPSK	36	22	23.15	23.25	23.18			
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0	
15	16QAM	1	1	21.96	22.01	22.06			
15	64QAM	1	1	20.91	20.95	20.97			
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	1	23.18	23.19	23.25	24.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	660.5	665.5			
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI/2 BPSK	1	40	23.18	23.21	23.13			
15	PI/2 BPSK	1	77	23.20	23.26	23.13			
15	PI/2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	PI/2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	PI/2 BPSK	36	43	22.74	22.75	22.67	24.0	0.5	
15	PI/2 BPSK	75	0	22.73	22.85	22.62			
15	QPSK	1	1	23.34	23.36	23.29			
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0	
15	QPSK	1	77	23.16	23.26	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.15	22.02			
15	QPSK	36	22	23.27	23.28	23.23			
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0	
15	16QAM	1	1	22.06	22.15	22.18			
15	64QAM	1	1	20.60	20.63	20.48			
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	1	23.31	23.29	23.27	24.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	660.5	665.5			
5	QPSK	1	1	23.30	23.29	23.19	24.5	0.0	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 Frame	Frame Rate Ch. 1 Frame	Frame Type Ch. 2 Frame	Frame Rate Ch. 2 Frame	Turn up time (min)	Signal (dB)
Channel									
Frequency (MHz)				50600	50608	50600	200.0		
100	PSS-SSBSC	1	1	20.78	20.78	20.78	20.78		
100	PSS-SSBSC	1	137	20.43	20.43	20.43	20.43		
100	PSS-SSBSC	1	271	20.44	20.14	20.20	20.20	22.0	0.0
100	PSS-SSBSC	100	0	20.20	20.10	20.20	20.20	22.0	0.0
100	PSS-SSBSC	130	49	20.41	20.20	20.12	20.12	20.0	0.0
100	PSS-SSBSC	130	138	20.36	20.22	20.21	20.21	22.0	0.0
100	PSS-SSBSC	200	0	20.20	20.10	20.12	20.12	22.0	0.0
100	CPSS	1	1	20.40	20.12	20.10	20.10		
100	CPSS	1	137	20.39	20.27	20.26	20.26	22.0	0.0
100	CPSS	1	271	20.25	20.21	20.20	20.20		
100	CPSS	100	0	20.40	20.14	20.10	20.10	22.0	0.0
100	CPSS	100	49	20.40	20.16	20.10	20.10	22.0	0.0
100	CPSS	100	138	20.42	20.18	20.10	20.10	22.0	0.0
100	CPSS	200	0	20.41	20.19	20.21	20.21	22.0	0.0
100	CPSS	1	1	20.34	20.14	20.22	20.22	22.0	0.0
100	SSBSC	1	1	20.31	20.22	20.20	20.20	22.0	0.0
100	SSBSC	1	1	20.25	20.13	20.04	20.04	21.5	0.0
Channel									
Frequency (MHz)				2041	200.00	2041.00	2041.00		
50	CPSS	1	1	20.40	20.40	20.40	20.40		
Channel									
Frequency (MHz)				210.02	200.00	210.02	210.02		
50	CPSS	1	1	20.22	20.17	20.21	20.21		
Channel									
Frequency (MHz)				210.01	200.00	210.01	210.01		
70	CPSS	1	1	20.38	20.27	20.25	20.25		
Channel									
Frequency (MHz)				502.00	500.00	502.00	502.00		
50	CPSS	1	1	20.41	20.10	20.24	20.24	22.0	0.0
Channel									
Frequency (MHz)				500.04	500.00	500.00	500.00		
50	CPSS	1	1	20.38	20.22	20.23	20.23	22.0	0.0
Channel									
Frequency (MHz)				500.02	500.00	500.00	500.00		
50	CPSS	1	1	20.30	20.20	20.14	20.14	22.0	0.0
Channel									
Frequency (MHz)				500.01	500.00	500.00	500.00		
50	CPSS	1	1	20.30	20.17	20.22	20.22	22.0	0.0
Channel									
Frequency (MHz)				500.00	500.00	500.00	500.00		
50	CPSS	1	1	20.44	20.23	20.17	20.17	22.0	0.0

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 Frame	Frame Rate Ch. 1 Frame	Frame Type Ch. 2 Frame	Frame Rate Ch. 2 Frame	Turn up time (min)	Signal (dB)
Channel									
Frequency (MHz)				20400	200.00	20400	20400		
100	PSS-SSBSC	1	1	24.78	24.67	24.69	24.69		
100	PSS-SSBSC	1	137	24.43	24.71	24.74	24.74	20.0	0.0
100	PSS-SSBSC	1	271	24.44	24.49	24.63	24.63		
100	PSS-SSBSC	100	0	24.69	24.12	24.12	24.12	22.0	0.0
100	PSS-SSBSC	130	49	24.45	24.45	24.12	24.12	20.0	0.0
100	PSS-SSBSC	130	138	24.44	24.13	24.11	24.11	22.0	0.0
100	PSS-SSBSC	200	0	24.62	24.10	24.10	24.10	22.0	0.0
100	CPSS	1	1	24.60	24.12	24.10	24.10		
100	CPSS	1	137	24.59	24.06	24.05	24.05	20.0	0.0
100	CPSS	1	271	24.75	24.05	24.01	24.01		
100	CPSS	100	0	24.60	23.82	23.87	23.87	22.0	1.0
100	CPSS	100	49	24.60	23.86	23.82	23.82	22.0	0.0
100	CPSS	100	138	24.62	23.86	23.82	23.82	22.0	1.0
100	CPSS	200	0	24.60	23.89	23.88	23.88	22.0	0.0
100	CPSS	1	1	23.94	23.82	23.82	23.82	22.0	1.0
100	SSBSC	1	1	20.04	20.02	20.10	20.10	2.0	
100	SSBSC	1	1	20.03	20.00	20.10	20.10	21.5	0.0
Channel									
Frequency (MHz)				2041	200.00	2041.00	2041.00		
50	CPSS	1	1	24.40	24.68	24.60	24.60		
Channel									
Frequency (MHz)				210.02	200.00	210.02	210.02		
50	CPSS	1	1	24.78	24.61	24.62	24.62		
Channel									
Frequency (MHz)				210.01	200.00	210.01	210.01		
70	CPSS	1	1	24.67	24.57	24.50	24.50		
Channel									
Frequency (MHz)				502.00	500.00	502.00	502.00		
50	CPSS	1	1	24.44	24.00	24.00	24.00	22.0	0.0
Channel									
Frequency (MHz)				500.04	500.00	500.00	500.00		
50	CPSS	1	1	24.43	24.48	24.50	24.50	22.0	0.0
Channel									
Frequency (MHz)				500.02	500.00	500.00	500.00		
50	CPSS	1	1	24.40	24.41	24.41	24.41	22.0	0.0
Channel									
Frequency (MHz)				500.01	500.00	500.00	500.00		
50	CPSS	1	1	24.40	24.43	24.47	24.47	22.0	0.0
Channel									
Frequency (MHz)				500.00	500.00	500.00	500.00		
50	CPSS	1	1	24.71	24.60	24.57	24.57	22.0	0.0

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Ch. 1 Frame Power (dBm)	Ch. 1 Frame Rate (kbps)	Ch. 2 Frame Power (dBm)	Ch. 2 Frame Rate (kbps)	Turn-up time (min)	Signal (dBm)
Channel									
Frequency (MHz)				20400	200.00	20400	20400		
100	PSS-SSBSC	1	1	20.78	20.78	20.78	20.78		
100	PSS-SSBSC	1	137	20.44	20.72	20.73	20.73	22.0	
100	PSS-SSBSC	1	271	20.41	20.68	20.73	20.73	22.0	0.0
100	PSS-SSBSC	100	0	20.20	20.67	20.70	20.70	22.0	0.0
100	PSS-SSBSC	130	49	20.48	20.79	20.70	20.70	22.0	0.0
100	PSS-SSBSC	130	138	20.41	20.76	20.68	20.68	22.0	0.0
100	PSS-SSBSC	200	0	20.20	20.70	20.68	20.68	22.0	0.0
100	CPSS	1	1	20.40	20.12	20.10	20.10		
100	CPSS	1	137	20.34	20.77	20.68	20.68	22.0	0.0
100	CPSS	1	271	20.46	20.68	20.68	20.68		
100	CPSS	100	0	20.40	20.70	20.68	20.68	22.0	0.0
100	CPSS	100	49	20.40	20.70	20.68	20.68	22.0	0.0
100	CPSS	100	138	20.40	20.72	20.68	20.68	22.0	0.0
100	CPSS	200	0	20.40	20.72	20.68	20.68	22.0	0.0
100	SSBSC	1	1	20.32	20.74	20.67	20.67	22.0	0.0
100	SSBSC	1	1	20.43	20.72	20.70	20.70	22.0	0.0
100	SSBSC	1	1	20.36	20.17	20.10	20.10	21.5	0.0
Channel									
Frequency (MHz)				2041	200.00	2041.00	2041.00		
50	CPSS	1	1	20.40	20.74	20.67	20.67		
Channel									
Frequency (MHz)				210.02	200.00	210.02	210.02		
50	CPSS	1	1	20.28	20.70	20.74	20.74		
Channel									
Frequency (MHz)				210.01	200.00	210.01	210.01		
70	CPSS	1	1	20.47	20.70	20.68	20.68	22.0	0.0
Channel									
Frequency (MHz)				502.00	500.00	502.00	502.00		
50	CPSS	1	1	20.44	20.70	20.72	20.72	22.0	0.0
Channel									
Frequency (MHz)				500.04	500.00	500.00	500.00		
50	CPSS	1	1	20.41	20.81	20.75	20.75	22.0	0.0
Channel									
Frequency (MHz)				500.02	500.00	500.00	500.00		
50	CPSS	1	1	20.40	20.71	20.68	20.68	22.0	0.0
Channel									
Frequency (MHz)				500.01	500.00	500.00	500.00		
50	CPSS	1	1	20.41	20.80	20.74	20.74	22.0	0.0
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Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Fwh)	Power Max Ch. 1 (Fwh)	Power High Ch. 1 (Fwh)	Turn-up (m)	dBm (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.00	22.00	22.00			
100	PSSBPSK	1	137	22.05			23.0	0.0	
100	PSSBPSK	1	271	22.08					
100	PSSBPSK	36	5	22.07	22.07	21.80	22.5	0.5	
100	PSSBPSK	136	69	22.05			23.5	0.5	
100	PSSBPSK	136	138	22.03			22.5	0.5	
100	PSSBPSK	200	5	22.00					
100	QPSK	1	1	22.04					
100	QPSK	1	137	22.07			22.0	0.0	
100	QPSK	1	271	22.05					
100	QPSK	136	5	21.90			22.0	1.0	
100	QPSK	136	69	21.93			22.5	0.5	
100	QPSK	136	138	21.97			22.5	1.0	
100	QPSK	270	5	21.94			22.0	1.0	
100	VSQAM	1	1	21.95			22.0	1.0	
100	VSQAM	1	1	21.92			22.0	2.5	
100	VSQAM	1	1	21.97			22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Fwh)	Power Max Ch. 1 (Fwh)	Power High Ch. 1 (Fwh)	Turn-up (m)	dBm (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.00	22.00	22.00			
100	PSSBPSK	1	137	22.05	22.04	21.80			
100	PSSBPSK	1	271	22.01	22.07	21.80	23.0	0.0	
100	PSSBPSK	36	5	21.99	21.83	21.57	22.5	0.5	
100	PSSBPSK	136	69	22.06	21.80	21.50	23.5	0.5	
100	PSSBPSK	136	138	21.82	21.54	21.30	22.5	0.5	
100	PSSBPSK	200	5	21.70	21.54	21.30			
100	QPSK	1	1	22.07	22.00	21.50			
100	QPSK	1	137	22.07	22.00	21.70	22.0	0.0	
100	QPSK	1	271	22.00	21.88	21.50			
100	QPSK	136	5	21.20	21.00	20.50	22.0	1.0	
100	QPSK	136	69	21.27	20.96	20.70	22.5	0.5	
100	QPSK	136	138	21.17	20.86	20.70	22.5	1.0	
100	QPSK	270	5	21.15	20.87	20.60	22.0	1.0	
100	VSQAM	1	1	21.13	20.80	20.50	22.0	1.0	
100	VSQAM	1	1	20.84	20.40	20.30	22.0	2.5	
100	VSQAM	1	1	20.27	19.90	19.80	22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Fwh)	Power Max Ch. 1 (Fwh)	Power High Ch. 1 (Fwh)	Turn-up (m)	dBm (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.00	22.00	22.00			
100	PSSBPSK	1	137	22.04			24.5	0.0	
100	PSSBPSK	1	271	22.02					
100	PSSBPSK	36	5	22.00			24.0	0.5	
100	PSSBPSK	136	69	22.05			24.5	0.5	
100	PSSBPSK	136	138	22.01			24.0	0.5	
100	PSSBPSK	200	5	22.00					
100	QPSK	1	1	22.00					
100	QPSK	1	137	22.01			24.5	0.0	
100	QPSK	1	271	22.00					
100	QPSK	136	5	22.02			22.5	1.0	
100	QPSK	136	69	22.00			24.5	0.5	
100	QPSK	136	138	22.06			22.5	1.0	
100	QPSK	270	5	22.07			22.5	1.0	
100	VSQAM	1	1	22.00			22.5	1.0	
100	VSQAM	1	1	22.00			22.5	2.5	
100	VSQAM	1	1	22.00			22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	22.00		0.0	
80	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00		0.0	
40	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00		0.0	
30	QPSK	1	1	22.00	22.00	22.00		0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Fwh)	Power Max Ch. 1 (Fwh)	Power High Ch. 1 (Fwh)	Turn-on (m)	dBm (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.00	22.00	22.00			
100	PSSBPSK	1	137	22.00	22.00	22.00	24.5		
100	PSSBPSK	1	271	22.07	22.00	21.80			
100	PSSBPSK	36	5	22.00	22.00	21.80	24.0	0.5	
100	PSSBPSK	136	69	22.02	22.01	21.50	24.5	0.5	
100	PSSBPSK	136	138	22.01	22.02	21.80	24.0	0.5	
100	PSSBPSK	200	5	22.00	22.01	21.80			
100	QPSK	1	1	22.00	22.00	22.00			
100	QPSK	1	137	22.00	22.00	22.00	24.5	0.0	
100	QPSK	1	271	22.03	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK	136	69	22.02	22.01	21.50	24.5	0.0	
100	QPSK	136	138	22.01	22.02	21.80	24.0	0.0	
100	QPSK	200	5	22.00	22.00	21.80			
100	QPSK	36	5	22.00	22.00	21.80	24.0	0.0	
100	QPSK								

Reduced Power Mode for EC1 16

n2_Ant 1									
BSI (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Margin Ch. / Freq.	Power Type Ch. / Freq.	Turn-on time min	MPT	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	26.15	19.97	26.08			
20	PUSC BPSK	1	1	26.03	20.17	19.98			0.0
20	PUSC BPSK	1	104	19.91	20.06	20.02			
20	PUSC BPSK	100	5	19.94	20.02	19.98			0.0
20	PUSC BPSK	100	36	20.00	20.12	19.98			0.0
20	PUSC BPSK	100	56	19.97	20.08	20.02			0.0
20	PUSC BPSK	100	3	19.94	20.04	19.98			0.0
20	QPSK	1	1	26.15	20.10	26.10			
20	QPSK	1	53	26.04	26.12	19.97			21.5
20	QPSK	1	104	19.98	19.96	19.91			
20	QPSK	100	5	20.00	19.92	19.91			21.5
20	QPSK	100	36	20.10	20.10	20.10			0.0
20	QPSK	100	56	19.97	19.98	19.98			21.5
20	QPSK	100	3	19.95	20.04	19.95			0.0
20	HQDM	1	1	26.09	26.11	19.98			0.0
20	HQDM	1	1	26.09	26.07	26.06			0.0
20	200QAM	1	1	19.92	19.98	19.97			1.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.98	20.15	20.00			0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.07	20.18	19.98			0.0
Channel									
Frequency (MHz)									
1	QPSK	1	1	19.95	20.13	20.08			0.0

n2_Ant 2									
BSI (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Margin Ch. / Freq.	Power Type Ch. / Freq.	Turn-up time min	MPT	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	26.09	22.70	22.69			
20	PUSC BPSK	1	1	27.08	22.68	22.69		24.5	0.0
20	PUSC BPSK	1	104	22.71	22.75	22.67			
20	PUSC BPSK	100	5	22.71	22.71	22.65			0.0
20	PUSC BPSK	100	36	22.68	22.66	22.65			0.0
20	PUSC BPSK	100	56	22.65	22.25	22.17			0.0
20	PUSC BPSK	100	3	22.24	22.19	22.15			0.0
20	QPSK	1	1	22.67	22.60	22.70			
20	QPSK	1	53	22.67	22.72	22.68		24.5	0.0
20	QPSK	1	104	22.74	22.82	22.71			
20	QPSK	100	5	21.98	21.82	21.78			22.5
20	QPSK	100	36	21.98	22.82	21.77			0.0
20	QPSK	100	56	21.76	21.88	21.78			22.5
20	QPSK	100	3	21.83	21.76	21.75			
20	HQDM	1	1	21.92	21.98	21.88			1.0
20	HQDM	1	1	26.09	26.10	26.06			0.0
20	200QAM	1	1	19.95	19.97	19.95			0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.86	22.88	22.88			0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	22.78	22.68			0.0
Channel									
Frequency (MHz)									
1	QPSK	1	1	22.63	22.82	22.75			0.0

n2_Ant 4									
BSI (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Margin Ch. / Freq.	Power Type Ch. / Freq.	Turn-up time min	MPT dB	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	26.02	26.11	19.98			
20	PUSC BPSK	1	53	19.98	20.02	19.98		21.5	0.0
20	PUSC BPSK	1	104	26.03	19.94	20.02			
20	PUSC BPSK	100	5	26.04	19.99	26.03			0.0
20	PUSC BPSK	100	36	20.00	20.10	19.98			0.0
20	PUSC BPSK	100	56	19.99	20.08	20.02			0.0
20	PUSC BPSK	100	3	19.96	20.06	19.98			0.0
20	QPSK	1	1	26.10	26.02	26.10			
20	QPSK	1	53	26.02	26.07	26.07		21.5	0.0
20	QPSK	1	104	19.94	20.01	19.92			
20	QPSK	100	5	20.00	20.04	20.01		21.5	0.0
20	QPSK	100	36	20.10	20.10	20.10			0.0
20	QPSK	100	56	20.08	20.16	20.08			21.5
20	QPSK	100	3	20.05	20.15	20.05			0.0
20	HQDM	1	1	26.00	26.02	26.00			0.0
20	HQDM	1	1	26.09	26.12	26.06			0.0
20	200QAM	1	1	19.95	19.70	19.85			1.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.98	20.07	20.04		21.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.98	19.98	20.00			0.0
Channel									
Frequency (MHz)									
1	QPSK	1	1	20.00	19.98	20.00		21.5	0.0

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-avg. Int. dBm	MPT dB	
Channel				10000	107000	107000			
Frequency (MHz)				5.8	58.5	58.5			
20	PSS-SSB	1	1	25.44	23.52	23.47			
20	PSS-SSB	1	11	23.48	23.55	23.57	20.0	0.0	
20	PSS-SSB	1	104	23.43	23.55	23.57			
20	PSS-SSB	100	5	23.51	23.52	23.54	24.5	0.5	
20	PSS-SSB	100	38	23.39	23.52	23.55	20.0	0.0	
20	PSS-SSB	100	36	23.59	23.58	23.57	24.5	0.5	
20	PSS-SSB	100	5	23.51	23.52	23.54			
20	QPSK	1	1	23.52	23.52	23.52			
20	QPSK	1	11	23.39	23.52	23.55	20.0	0.0	
20	QPSK	1	104	23.45	23.59	23.55	24.0	1.0	
20	QPSK	100	5	23.59	23.71	23.59	24.0	1.0	
20	QPSK	100	38	23.39	23.52	23.55	20.0	0.0	
20	QPSK	100	36	23.59	23.42	23.49	24.0	1.0	
20	QPSK	100	5	23.59	23.57	23.57			
20	HQDM	1	1	23.39	23.52	23.45	24.0	1.0	
20	HQDM	1	1	23.39	23.50	23.49	24.0	1.0	
20	HQDM	1	1	19.52	19.52	19.51	20.5	0.5	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				5.8	58.5	58.5			
10	QPSK	1	1	23.39	23.55	23.49	20.0	0.0	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				5.8	58.5	58.5			
10	QPSK	1	1	23.39	23.55	23.57	20.0	0.0	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				58.5	58.5	58.5			
5	QPSK	1	1	23.59	23.60	23.61	20.0	0.0	

n5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-avg. Int. dBm	MPT dB	
Channel				10000	107000	107000			
Frequency (MHz)				5.8	58.5	58.5			
20	PSS-SSB	1	1	23.42	23.48	23.59			
20	PSS-SSB	1	11	23.42	23.53	23.57	20.0	0.0	
20	PSS-SSB	1	104	23.39	23.55	23.57			
20	PSS-SSB	100	5	23.51	23.52	23.54	24.5	0.5	
20	PSS-SSB	100	38	23.37	23.45	23.52	20.0	0.0	
20	PSS-SSB	100	36	23.51	23.59	23.57	24.5	0.5	
20	PSS-SSB	100	5	23.51	23.52	23.51			
20	QPSK	1	1	23.52	23.52	23.52			
20	QPSK	1	11	23.39	23.52	23.55	20.0	0.0	
20	QPSK	1	104	23.44	23.53	23.55	24.0	1.0	
20	QPSK	100	5	23.49	23.57	23.57	24.0	1.0	
20	QPSK	100	38	23.39	23.52	23.55	20.0	0.0	
20	QPSK	100	36	23.59	23.49	23.49	24.0	1.0	
20	QPSK	100	5	23.59	23.45	23.57			
20	HQDM	1	1	23.31	23.38	23.31	24.0	1.0	
20	HQDM	1	1	23.39	23.46	23.46	24.0	1.0	
20	HQDM	1	1	19.52	19.42	19.51	20.5	0.5	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				5.8	58.5	58.5			
10	QPSK	1	1	23.49	23.55	23.53	20.0	0.0	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				5.8	58.5	58.5			
10	QPSK	1	1	23.39	23.42	23.41	20.0	0.0	
Channel				10000	107000	107000	Time-avg. Int. dBm	MPT dB	
Frequency (MHz)				58.5	58.5	58.5			
5	QPSK	1	1	23.41	23.49	23.51	20.0	0.0	

n7_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Limit Ch. 1 (W)	Power Min. Ch. 1 (W)	Power Max. Ch. 1 (W)	Turn up time (min)	MPE (dB)			
Channel											
Frequency (MHz)											
20	PSSB	1	1	16.92	16.96	16.95	20.0	0.0			
20	PSSB	1	11	16.98	16.99	16.95	20.0	0.0			
20	PSSB	1	104	16.99	16.92	16.95	20.0	0.0			
20	PSSB	50	5	16.99	16.94	16.95	20.0	0.0			
20	PSSB	50	36	16.99	16.93	16.95	20.0	0.0			
20	PSSB	500	56	16.97	16.98	16.95	20.0	0.0			
20	PSSB	100	3	16.96	16.98	16.95	20.0	0.0			
20	QPSK	1	1	16.92	16.92	16.95	20.0	0.0			
20	QPSK	1	53	16.94	16.92	16.92	20.0	0.0			
20	QPSK	1	104	16.98	16.97	16.95	20.0	0.0			
20	QPSK	50	5	16.98	16.95	16.97	20.0	0.0			
20	QPSK	500	36	16.99	16.97	16.95	20.0	0.0			
20	QPSK	100	56	16.91	16.94	16.91	20.0	0.0			
20	QPSK	100	12	16.93	16.94	16.95	20.0	0.0			
20	HQPSK	1	1	16.92	16.96	16.97	20.0	0.0			
20	HQPSK	1	1	16.97	16.92	16.97	20.0	0.0			
20	256QAM	1	1	16.93	16.96	16.95	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.99	16.95	16.95	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.91	16.94	16.91	20.0	0.0			
Channel											
Frequency (MHz)											
1	QPSK	1	1	16.92	16.94	16.97	20.0	0.0			

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Limit Ch. 1 (W)	Power Min. Ch. 1 (W)	Power Max. Ch. 1 (W)	Turnup time (min)	MPE	
Channel									
Frequency (MHz)									
20	PSSB	1	1	23.05	23.17	23.15	20.0	0.0	
20	PSSB	1	11	23.11	23.08	23.08	20.0	0.0	
20	PSSB	1	104	23.04	23.17	23.05	20.0	0.0	
20	PSSB	50	5	23.05	22.91	23.05	20.0	0.0	
20	PSSB	50	36	23.05	23.05	23.05	20.0	0.0	
20	PSSB	500	56	23.05	23.03	23.05	20.0	0.0	
20	PSSB	100	3	23.05	22.98	23.05	20.0	0.0	
20	QPSK	1	1	23.11	23.05	23.15	20.0	0.0	
20	QPSK	1	53	23.06	23.12	23.05	20.0	0.0	
20	QPSK	1	104	23.05	23.19	23.11	20.0	0.0	
20	QPSK	50	5	23.05	23.15	23.11	20.0	0.0	
20	QPSK	500	36	23.06	23.05	23.15	20.0	0.0	
20	QPSK	100	56	23.06	23.04	23.05	20.0	0.0	
20	QPSK	100	12	23.07	23.15	23.11	20.0	0.0	
20	HQPSK	1	1	23.06	23.05	23.05	20.0	0.0	
20	HQPSK	1	1	23.07	23.05	23.07	20.0	0.0	
20	256QAM	1	1	23.05	23.02	23.05	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.09	23.07	23.09	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.01	23.07	23.03	20.0	0.0	
Channel									
Frequency (MHz)									
1	QPSK	1	1	23.05	23.15	23.04	20.0	0.0	

n7_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Limit Ch. 1 (W)	Power Min. Ch. 1 (W)	Power Max. Ch. 1 (W)	Turn up time (min)				
Channel											
Frequency (MHz)											
20	PSSB	1	1	16.93	16.93	16.95	20.0	0.0			
20	PSSB	1	11	16.97	16.93	16.95	20.0	0.0			
20	PSSB	1	104	16.92	16.95	16.92	20.0	0.0			
20	PSSB	50	5	16.95	16.95	16.95	20.0	0.0			
20	PSSB	50	36	16.95	16.95	16.95	20.0	0.0			
20	PSSB	500	56	16.97	16.94	16.95	20.0	0.0			
20	PSSB	100	3	16.96	16.98	16.94	20.0	0.0			
20	QPSK	1	1	16.93	16.93	16.95	20.0	0.0			
20	QPSK	1	53	16.94	16.92	16.92	20.0	0.0			
20	QPSK	1	104	16.95	16.92	16.95	20.0	0.0			
20	QPSK	50	5	16.95	16.95	16.95	20.0	0.0			
20	QPSK	500	36	16.96	16.93	16.95	20.0	0.0			
20	QPSK	100	56	16.96	16.93	16.95	20.0	0.0			
20	QPSK	100	12	16.95	16.95	16.95	20.0	0.0			
20	HQPSK	1	1	16.97	16.97	16.91	20.0	0.0			
20	HQPSK	1	1	16.97	16.95	16.95	20.0	0.0			
20	256QAM	1	1	16.93	16.96	16.97	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.96	16.94	16.94	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	16.98	16.11	16.98	20.0	0.0			
Channel											
Frequency (MHz)											
1	QPSK	1	1	16.95	16.12	16.92	20.0	0.0			

n12_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power M-Band Ch. / Freq.	Power Top Ch. / Freq.	Turn-up time (min)	MPTI (dB)			
Channel				141500	141000	141500					
Frequency (MHz)				768.5	767.5	768.5					
10	PUSC-BPSK	1	1	23.11	23.27	23.10	24.5	0.0			
10	PUSC-BPSK	1	40	23.10	23.17	23.07					
10	PUSC-BPSK	1	77	23.09	23.06	23.12					
10	PUSC-BPSK	96	5	23.02	22.70	23.00	24.0	0.5			
10	PUSC-BPSK	96	32	23.00	23.10	23.20					
10	PUSC-BPSK	96	43	23.00	22.74	23.00					
10	PUSC-BPSK	96	75	23.00	22.73	23.00	24.0	0.5			
10	QPSK	1	1	23.12	23.00	23.10					
10	QPSK	1	40	23.09	23.12	23.08					
10	QPSK	1	77	23.10	23.16	23.10	23.5	1.0			
10	QPSK	96	5	23.07	23.00	23.07					
10	QPSK	96	32	23.10	23.00	23.10					
10	QPSK	96	43	23.06	23.00	23.07	23.5	1.0			
10	QPSK	96	75	23.00	23.10	23.00					
10	HQDM	1	1	21.87	21.90	21.86	23.5	1.0			
10	HQDM	1	1	20.48	20.50	20.48					
10	HQDM	1	1	19.15	19.04	19.07					
Channel				140000	141000	142000	Turn-up time (min)				
Frequency (MHz)				768	768.5	771	0.0				
10	QPSK	1	1	23.09	23.08	23.07	24.5	0.0			
Channel				140500	141000	142000					
Frequency (MHz)				769.5	767.5	773.5					
5	QPSK	1	1	23.13	23.27	23.10	24.5	0.0			

n12_Ant_4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power M-Band Ch. / Freq.	Power Top Ch. / Freq.	Turn-up time (min)			
Channel				141500	141000	141500				
Frequency (MHz)				768.5	767.5	768.5				
10	PUSC-BPSK	1	1	23.10	23.30	23.00	24.5	0.0		
10	PUSC-BPSK	1	40	23.11	23.00	23.10				
10	PUSC-BPSK	1	77	23.10	23.31	23.17				
10	PUSC-BPSK	96	5	23.07	22.83	23.10	24.0	0.5		
10	PUSC-BPSK	96	32	23.07	23.10	23.10				
10	PUSC-BPSK	96	43	23.00	22.77	23.00				
10	PUSC-BPSK	96	75	23.00	22.80	23.07	24.0	0.5		
10	QPSK	1	1	23.10	23.00	23.10				
10	QPSK	1	40	23.09	23.10	23.10	24.5	0.0		
10	QPSK	1	77	23.10	23.30	23.20				
10	QPSK	96	5	23.09	23.10	23.00				
10	QPSK	96	32	23.10	23.00	23.10	24.5	0.0		
10	QPSK	96	43	23.10	23.10	23.10				
10	QPSK	96	75	23.10	23.00	23.10				
10	HQDM	1	1	21.87	22.10	21.80	23.5	1.0		
10	HQDM	1	1	20.48	20.40	20.40				
10	HQDM	1	1	19.12	19.10	19.10				
Channel				140000	141000	142000	Turn-up time (min)			
Frequency (MHz)				768	768.5	771	0.0			
10	QPSK	1	1	23.09	23.08	23.10	24.5	0.0		
Channel				140500	141000	142000				
Frequency (MHz)				769.5	767.5	773.5				
5	QPSK	1	1	23.17	23.20	23.20	24.5	0.0		

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Limit Ch. 1 / Freq.	Power RBSize Ch. 1 / Freq.	Power Tgt Ch. 1 / Freq.	Turn up time min	MPT dB	
Channel									
Frequency (MHz)									
30	PSSB	1	1	25.15	23.26	23.15			
20	PSSB	1	85	23.17	23.09	23.16	24.5	0.0	
30	PSSB	1	150	23.11	23.02	23.10			
30	PSSB	80	5	23.05	22.75	23.05	24.5	0.5	
30	PSSB	80	40	23.05	23.35	23.05	24.5	0.5	
30	PSSB	80	80	23.05	23.75	23.05	24.5	0.5	
30	PSSB	160	5	22.99	22.99	22.94			
30	QPSK	1	1	23.07	23.00	23.04			
30	QPSK	1	40	23.19	23.02	23.10	24.5	0.0	
30	QPSK	1	150	23.17	23.01	23.15			
30	QPSK	80	5	23.16	23.02	23.05	23.5	1.0	
30	QPSK	80	40	23.16	23.02	23.10	24.5	0.5	
30	QPSK	80	80	23.16	23.04	23.06	23.5	1.0	
30	QPSK	160	5	23.05	23.05	23.05	23.5	1.0	
30	QPSK	160	10	23.05	23.05	23.10	23.5	1.0	
30	QPSK	160	20	23.05	23.05	23.15	23.5	1.0	
30	QPSK	160	40	23.05	23.05	23.20	23.5	1.0	
30	QPSK	160	80	23.05	23.05	23.30	23.5	1.0	
30	QPSK	160	160	23.05	23.05	23.40	23.5	1.0	
30	QPSK	160	320	23.05	23.05	23.50	23.5	1.0	
30	QPSK	160	640	23.05	23.05	23.60	23.5	1.0	
30	QPSK	160	1280	23.05	23.05	23.70	23.5	1.0	
30	QPSK	160	2560	23.05	23.05	23.80	23.5	1.0	
30	QPSK	160	5120	23.05	23.05	23.90	23.5	1.0	
30	QPSK	160	10240	23.05	23.05	24.00	23.5	1.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.08	23.15	23.10	24.5	0.0	
15	QPSK	1	1	23.11	23.02	23.10	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.11	23.02	23.10	24.5	0.0	
30	QPSK	1	40	23.19	23.02	23.10	24.5	0.0	
30	QPSK	1	150	23.17	23.01	23.15	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.18	23.15	23.10	24.5	0.0	

n71_Ant 0							
SET (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (Freq.)	Power Level Ch. 2 (Freq.)	Power Level Ch. 3 (Freq.)	APRT (dB)
Channel							
Frequency (MHz)							
138100 138100 138100							
15	PRBS	1	1	23.17	23.16	23.22	
15	PRBS	1	46	23.12	23.16	23.24	24.5
15	PRBS	1	77	23.16	23.17	23.15	
15	PRBS	36	3	23.27	23.21	23.29	24.5
15	PRBS	36	26	23.16	23.20	23.22	24.5
15	PRBS	36	43	23.30	23.27	23.23	24.5
15	PRBS	75	2	23.29	23.23	23.27	24.5
15	PRBS	1	1	23.24	23.23	23.24	
15	PRBS	1	46	23.17	23.20	23.18	24.5
15	PRBS	1	77	23.27	23.13	23.16	
15	PRBS	36	5	23.30	23.20	23.19	23.5
15	PRBS	36	22	23.16	23.20	23.16	24.5
15	PRBS	36	43	23.30	23.19	23.20	24.5
15	PRBS	75	2	23.29	23.20	23.20	23.5
15	PRBS	1	1	23.16	23.21	23.20	23.5
15	PRBS	1	1	23.24	23.27	23.27	24.5
15	PRBS	1	1	23.11	23.14	23.13	23.5
Channel							
Frequency (MHz)							
138100 138100 138100							
15	PRBS	1	1	23.16	23.19	23.20	24.5
Channel							
Frequency (MHz)							
138100 138100 138100							
4	PRBS	1	1	23.17	23.19	23.23	24.5

n71_Ant 4							
SET (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (Freq.)	Power Level Ch. 2 (Freq.)	Power Level Ch. 3 (Freq.)	APRT (dB)
Channel							
Frequency (MHz)							
138100 138100 138100							
15	PRBS	1	1	23.28	23.30	23.29	
15	PRBS	1	46	23.18	23.24	23.13	24.5
15	PRBS	1	77	23.30	23.20	23.13	
15	PRBS	36	3	23.27	23.23	23.29	24.5
15	PRBS	36	26	23.16	23.20	23.12	24.5
15	PRBS	36	43	23.34	23.28	23.27	24.5
15	PRBS	75	2	23.29	23.20	23.29	24.5
15	PRBS	1	1	23.24	23.23	23.24	
15	PRBS	1	46	23.24	23.20	23.22	24.5
15	PRBS	1	77	23.16	23.28	23.16	
15	PRBS	36	5	23.27	23.20	23.22	23.5
15	PRBS	36	22	23.17	23.20	23.16	24.5
15	PRBS	36	43	23.33	23.21	23.13	24.5
15	PRBS	75	2	23.13	23.20	23.15	23.5
15	PRBS	1	1	23.26	23.15	23.19	23.5
15	PRBS	1	1	23.26	23.27	23.27	24.5
15	PRBS	1	1	23.25	23.20	23.13	23.5
Channel							
Frequency (MHz)							
138100 138100 138100							
15	PRBS	1	1	23.31	23.28	23.27	24.5
Channel							
Frequency (MHz)							
138100 138100 138100							
4	PRBS	1	1	23.30	23.20	23.19	24.5

n38_Ant 1										
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Transp. Int. (dBm)	MPE (dB)		
Channel				21664	21664	21664				
Frequency (MHz)				21662.00	21665	21668.00				
40	PSSB	1	1	18.75	18.82	18.85	20.0	0.0		
40	PSSB	1	53	18.86	18.93	18.95				
40	PSSB	1	104	18.71	18.83	18.87				
40	PSSB	50	5	18.61	18.84	18.72	20.5	0.0		
40	PSSB	50	28	18.64	18.85	18.71	20.5	0.0		
40	PSSB	101	56	18.68	18.79	18.68	20.5	0.0		
40	PSSB	150	0	18.59	18.77	18.75	20.5	0.0		
40	QPSK	1	1	18.61	18.80	18.71				
40	QPSK	1	53	18.69	18.71	18.69	20.5	0.0		
40	QPSK	1	104	18.67	18.71	18.74				
40	QPSK	50	5	18.25	18.82	18.53	20.5	0.0		
40	QPSK	50	28	18.75	18.83	18.75	20.5	0.0		
40	QPSK	101	56	18.62	18.65	18.62	20.5	0.0		
40	QPSK	150	0	18.70	18.71	18.71	20.5	0.0		
40	HCNR	1	1	18.75	18.80	18.87	20.5	0.0		
40	256QAM	1	1	18.84	18.82	18.85	20.0	-1.5		
Channel				21700	21690	21698	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21698.01	21695	21695.99				
30	QPSK	1	1	18.75	18.80	18.78	20.5	0.0		
Channel				21650	21660	21658	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21650	21655	21655				
20	QPSK	1	1	18.73	18.80	18.76	20.5	0.0		

n38_Ant 2										
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Transp. Int. (dBm)	MPE (dB)		
Channel				21664	21664	21664				
Frequency (MHz)				21662.00	21665	21668.00				
40	PSSB	1	1	23.19	23.22	23.20	24.0	0.0		
40	PSSB	1	53	23.40	23.45	23.43				
40	PSSB	1	104	23.42	23.31	23.35				
40	PSSB	50	5	23.01	23.02	23.02	24.0	0.0		
40	PSSB	50	28	23.30	23.37	23.43	24.0	0.0		
40	PSSB	101	56	23.08	23.06	23.05	24.0	0.0		
40	PSSB	150	0	23.05	23.03	23.03	24.0	0.0		
40	QPSK	1	1	23.05	23.07	23.06				
40	QPSK	1	53	23.29	23.35	23.40	24.0	0.0		
40	QPSK	1	104	23.45	23.53	23.47				
40	QPSK	50	5	23.25	23.32	23.28	23.5	1.0		
40	QPSK	50	28	23.29	23.36	23.33	24.0	0.0		
40	QPSK	101	56	23.24	23.26	23.25	23.5	1.0		
40	QPSK	150	0	23.29	23.30	23.29	23.5	1.0		
40	HCNR	1	1	21.07	21.04	21.01	23.5	1.0		
40	HCNR	1	1	21.02	21.02	21.02	23.5	1.0		
40	256QAM	1	1	19.15	19.14	19.15	20.0	-1.5		
Channel				21700	21690	21698	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21698.01	21695	21695.99				
30	QPSK	1	1	23.24	23.25	23.42	24.0	0.0		
Channel				21650	21660	21658	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21650	21655	21655				
20	QPSK	1	1	23.01	23.30	23.41	24.0	0.0		

n38_Ant 4										
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Transp. Int. (dBm)	MPE (dB)		
Channel				21664	21664	21664				
Frequency (MHz)				21662.00	21665	21668.00				
40	PSSB	1	1	18.94	18.85	18.84	20.0	0.0		
40	PSSB	1	53	18.94	18.90	18.93				
40	PSSB	1	104	18.93	18.98	18.97				
40	PSSB	50	5	18.95	18.94	18.95	20.5	0.0		
40	PSSB	50	28	18.90	18.91	18.97	20.5	0.0		
40	PSSB	101	56	18.90	18.12	18.90	20.5	0.0		
40	PSSB	150	0	18.85	18.90	18.94	20.5	0.0		
40	QPSK	1	1	18.91	18.12	18.75				
40	QPSK	1	53	18.91	18.94	18.88	20.5	0.0		
40	QPSK	1	104	18.96	18.86	18.91				
40	QPSK	50	5	18.94	18.93	18.95	20.5	0.0		
40	QPSK	50	28	18.97	18.93	18.95	20.5	0.0		
40	QPSK	101	56	18.92	18.94	18.92	20.5	0.0		
40	QPSK	150	0	18.94	18.95	18.95	20.5	0.0		
40	HCNR	1	1	18.04	18.03	18.05	20.5	0.0		
40	HCNR	1	1	18.09	18.02	18.04	20.5	0.0		
40	256QAM	1	1	18.49	18.50	18.49	20.0	-1.5		
Channel				21700	21690	21698	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21698.01	21695	21695.99				
30	QPSK	1	1	18.92	18.07	18.00	20.0	0.0		
Channel				21650	21660	21658	Transp. Int. (dBm)	MPE (dB)		
Frequency (MHz)				21650	21655	21655				
20	QPSK	1	1	18.01	18.07	18.03	20.5	0.0		

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				2565.51	2565.98	2566			
100	P12 BPSK	1	1	18.85	18.93	18.85			
100	P12 BPSK	1	137	18.93	18.93	18.75	20.0	0.0	
100	P12 BPSK	1	271	18.93	18.75	18.75			
100	P12 BPSK	135	0	18.85	18.98	18.85	20.0	0.0	
100	P12 BPSK	270	0	18.81	18.71	18.52	20.0	0.0	
100	P12 BPSK	135	136	18.87	18.83	18.68	20.0	0.0	
100	P12 BPSK	270	0	18.83	18.58	18.58			
100	QPSK	1	1	18.93	18.93	18.75			
100	QPSK	1	137	18.89	18.87	18.68	20.0	0.0	
100	QPSK	1	271	18.77	18.88	18.88			
100	QPSK	135	0	18.91	18.98	18.71	20.0	0.0	
100	QPSK	135	80	18.93	18.71	18.71	20.0	0.0	
100	QPSK	270	0	18.88	18.72	18.72	20.0	0.0	
100	QPSK	270	136	18.88	18.83	18.68			
100	HCQAM	1	1	18.76	18.54	18.71	20.0	0.0	
100	HCQAM	1	1	18.76	18.72	18.68	20.0	0.0	
100	256QAM	1	1	18.68	18.82	18.85	20.0	0.0	
Channel									
Frequency (MHz)				2561	2562.99	2563.98			
50	QPSK	1	1	18.92	18.72	18.70	20.0	0.0	
Channel									
Frequency (MHz)				2558.99	2559.98	2560.98			
50	QPSK	1	1	18.87	18.81	18.78	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2562			
70	QPSK	1	1	18.92	18.82	18.85	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2560.98			
80	QPSK	1	1	18.82	18.83	18.78	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2562.99	2562.99			
90	QPSK	1	1	18.88	18.74	18.68	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2562.99	2562			
40	QPSK	1	1	18.88	18.78	18.70	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2560.98			
50000	510000						Turn-up Int. (dBm)	MPE (dB)	
Frequency (MHz)				50.254	510000	510000			
50	QPSK	1	1	18.87	18.75	18.70	20.0	0.0	
Channel									
Frequency (MHz)				2558.99	2559.98	2559.98			
20	QPSK	1	1	18.87	18.81	18.78	20.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				2561.51	2561.98	2562			
100	P12 BPSK	1	1	24.76	24.87	24.88			
100	P12 BPSK	1	137	24.83	24.71	24.74	20.0	0.0	
100	P12 BPSK	1	271	24.75	24.58	24.55			
100	P12 BPSK	135	0	24.68	24.42	24.15	20.0	0.0	
100	P12 BPSK	270	0	24.52	24.48	24.21	20.0	0.0	
100	P12 BPSK	135	136	24.64	24.13	24.11	20.0	0.0	
100	P12 BPSK	270	0	24.52	24.10	24.08			
100	QPSK	1	1	24.92	24.72	24.70			
100	QPSK	1	137	24.85	24.68	24.65	20.0	0.0	
100	QPSK	1	271	24.76	24.55	24.51			
100	QPSK	135	0	24.93	24.92	24.87	20.0	1.0	
100	QPSK	135	80	24.76	24.55	24.51	20.0	0.0	
100	QPSK	270	0	24.72	24.61	24.60			
100	QPSK	270	136	24.72	24.61	24.60	20.0	1.0	
100	HCQAM	1	1	23.36	23.42	23.52	20.0	1.0	
100	HCQAM	1	1	23.24	23.52	23.11	20.0	2.0	
100	256QAM	1	1	20.83	20.85	20.78	20.0	4.0	
Channel									
Frequency (MHz)				2561	2562.99	2563.98			
50	QPSK	1	1	24.82	24.65	24.70	20.0	0.0	
Channel									
Frequency (MHz)				2558.99	2559.98	2560.98			
50	QPSK	1	1	24.75	24.81	24.83	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2562			
70	QPSK	1	1	24.87	24.87	24.85	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2560.98			
80	QPSK	1	1	24.83	24.68	24.62	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2562.99	2562.99			
90	QPSK	1	1	24.87	24.74	24.61	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2562.99	2562			
40	QPSK	1	1	24.82	24.74	24.61	20.0	0.0	
Channel									
Frequency (MHz)				2551.51	2560.98	2560.98			
50	QPSK	1	1	24.82	24.73	24.67	20.0	0.0	
Channel									
Frequency (MHz)				50.254	510000	510000			
20	QPSK	1	1	24.73	24.65	24.57	20.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Desc	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				2565.51	2565.98	2566			
100	P12 BPSK	1	1	18.85	18.74	18.84			
100	P12 BPSK	1	137	18.93	18.71	18.82	20.0	0.0	
100	P12 BPSK	1	271	18.89	18.84	18.77			
100	P12 BPSK	135	0	18.81	18.71	18.83	20.0	0.0	
100	P12 BPSK	270	0	18.82	18.83	18.85	20.0	0.0	
100	P12 BPSK	135	136	18.88	18.76	18.74	20.0	0.0	
100	P12 BPSK	270	0	18.88	18.74	18.83			
100	QPSK	1	1	18.93	18.93	18.75			
100	QPSK	1	137	18.84	18.80	18.71	20.0	0.0	
100	QPSK	1	271	18.89	18.82	18.74			
100	QPSK	135	0	18.90	18.81	18.90	20.0	0.0	
100	QPSK	135	136	18.88	18.80	18.74	20.0	0.0	
100	QPSK	270	0	18.90	18.89	18.83			
100	QPSK	270	136	18.88	18.80	18.75	20.0	0.0	
100	QPSK	270	270	18.90	18.89	18.83			
100	QPSK	270	404	18.88	18.80	18.75	20.0	0.0	
100	SABQAM	1	1	18.85	18.85	18.74	20.0	0.0	
100	256QAM	1	1	18.93	18.79	18.87	20.0	0.0	
Channel									
Frequency (MHz)				2566.01	2566.48	2566			
50	QPSK	1	1	18.93	18.79	18.89	20.0	0.0	
50	QPSK	1	137	18.93	18.79	18.89	20.0	0.0	
50	QPSK	1	271	18.93	18.79	18.89	20.0	0.0	
50	QPSK	135	0	18.93	18.79	18.89	20.0	0.0	
50	QPSK	135	136	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	0	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	136	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	270	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	404	18.93	18.79	18.89	20.0	0.0	
50	QPSK	1	1	18.93	18.84	18.74	20.0	0.0	
50	QPSK	1	137	18.93	18.84	18.74	20.0	0.0	
50	QPSK	1	271	18.93	18.84	18.74	20.0	0.0	
50	QPSK	135	0	18.93	18.84	18.74	20.0	0.0	
50	QPSK	135	136	18.93	18.84	18.74	20.0	0.0	
50	QPSK	270	0	18.93	18.84	18.74	20.0	0.0	
50	QPSK	270	136	18.93	18.84	18.74	20.0	0.0	
50	QPSK	270	270	18.93	18.84	18.74	20.0	0.0	
50	QPSK	270	404	18.93	18.84	18.74	20.0	0.0	
50	QPSK	1	1	18.93	18.79	18.89	20.0	0.0	
50	QPSK	1	137	18.93	18.79	18.89	20.0	0.0	
50	QPSK	1	271	18.93	18.79	18.89	20.0	0.0	
50	QPSK	135	0	18.93	18.79	18.89	20.0	0.0	
50	QPSK	135	136	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	0	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	136	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	270	18.93	18.79	18.89	20.0	0.0	
50	QPSK	270	404	18.93	18.79	18.89	20.0	0.0	

Part27Q_n77_Ant 1											
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-on Int. (dBm)	MPT (dB)			
Channel				SABR-98			17.0	0.0			
Frequency (MHz)				3680.98							
100	P1/D BPSK	1	1	16.34							
100	P1/D BPSK	1	137	16.35							
100	P1/D BPSK	1	371	16.40							
100	P1/D BPSK	136	5	16.30			17.0	0.0			
100	P1/D BPSK	136	49	16.33			17.0	0.0			
100	P1/D BPSK	136	136	16.32			17.0	0.0			
100	P1/D BPSK	276	6	16.37			17.0	0.0			
100	QPSK	1	1	16.33			17.0	0.0			
100	QPSK	1	137	16.33							
100	QPSK	1	271	16.36							
100	QPSK	136	5	16.36							
100	QPSK	136	49	16.40			17.0	0.0			
100	QPSK	136	136	16.30			17.0	0.0			
100	QPSK	276	6	16.40			17.0	0.0			
100	VCQAM	1	1	16.22			17.0	0.0			
100	VCQAM	1	1	16.23			17.0	0.0			
Channel				63056	63052	63050	Turn-on Int. (dBm)	MPT (dB)			
Frequency (MHz)				346532	346530	346528					
30	QPSK	1	1	16.44	16.41	16.47				0.0	
Channel				63060	63056	63050				Turn-up Int. (dBm)	
Frequency (MHz)				346536	346532	346526					
30	QPSK	1	1	16.27	16.45	16.47	0.0				
Channel				63064	63060	63056	Turn-up Int. (dBm)	MPT (dB)			
Frequency (MHz)				346540	346536	346532					
30	QPSK	1	1	16.41	16.38	16.51				0.0	
Channel				63068	63064	63060				Turn-up Int. (dBm)	
Frequency (MHz)				346544	346540	346536					
30	QPSK	1	1	16.45	16.48	16.57	0.0				
Channel				63072	63068	63064	Turn-up Int. (dBm)	MPT (dB)			
Frequency (MHz)				346548	346544	346540					
30	QPSK	1	1	16.43	16.38	16.58				0.0	
Channel				63076	63072	63068				Turn-up Int. (dBm)	
Frequency (MHz)				346552	346548	346544					
30	QPSK	1	1	16.45	16.38	16.58	0.0				

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPT (dB)	
Channel				64050			17.0	0.0	
Frequency (MHz)				3680					
100	P1/D BPSK	1	1	16.09	16.23	16.08			
100	P1/D BPSK	1	137	16.08	16.21	16.10			
100	P1/D BPSK	1	371	16.16	16.18	16.17			
100	P1/D BPSK	136	5	16.16	16.27	16.20	17.0	0.0	
100	P1/D BPSK	136	49	16.22	16.17	16.16	17.0	0.0	
100	P1/D BPSK	136	136	16.16	16.26	16.10	17.0	0.0	
100	P1/D BPSK	276	6	16.26	16.08	16.02	17.0	0.0	
100	QPSK	1	1	16.24	16.30	16.20	17.0	0.0	
100	QPSK	1	137	16.27	16.10	16.20			
100	QPSK	1	271	16.08	16.13	16.14			
100	QPSK	136	5	16.14	16.26	16.20			
100	QPSK	136	49	16.15	16.20	16.10	17.0	0.0	
100	QPSK	136	136	16.24	16.21	16.10	17.0	0.0	
100	QPSK	276	6	16.16	16.28	16.17	17.0	0.0	
100	VCQAM	1	1	16.11	16.14	16.10	17.0	0.0	
100	VCQAM	1	1	16.06	16.10	16.11	17.0	0.0	
Channel				64054	64050	64046	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				371531	3680	3680.98			
30	QPSK	1	1	16.12	16.20	16.16		0.0	
Channel				64058	64054	64050		Turn-up Int. (dBm)	
Frequency (MHz)				371532	3680	3680.98			
30	QPSK	1	1	16.23	16.20	16.11		0.0	
Channel				64062	64058	64054	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				371533	3680	3680.98			
30	QPSK	1	1	16.15	16.27	16.10		0.0	
Channel				64066	64062	64058	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				371534	3680	3680.98			
30	QPSK	1	1	16.17	16.15	16.20		0.0	

Part27Q_n77_Ant_3									
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPT (dB)	
Channel				SABR-98			23.0	0.0	
Frequency (MHz)				3680.98					
100	P1/D BPSK	1	1	22.07					
100	P1/D BPSK	1	137	21.87					
100	P1/D BPSK	1	371	22.05					
100	P1/D BPSK	136	5	21.96			22.5	0.0	
100	P1/D BPSK	136	49	21.86			22.0	0.0	
100	P1/D BPSK	136	136	21.48			22.5	0.0	
100	P1/D BPSK	276	6	21.38			22.0	0.0	
100	QPSK	1	1	22.11			23.0	0.0	
100	QPSK	1	137	22.05					
100	QPSK	1	271	21.87					
100	QPSK	136	5	21.90					
100	QPSK	136	49	21.80			22.0	1.0	
100	QPSK	136	136	21.40			22.0	1.0	
100	QPSK	276	6	21.34			22.0	1.0	
100	VCQAM	1	1	21.91			22.0	1.0	
100	VCQAM	1	1	16.45			22.5	2.0	
Channel				65056	65052	65048	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				346532	346530	346528			
30	QPSK	1	1	22.07	22.09	22.06	0.0		
Channel				65060	65056	65052	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				346536	346532	346528			
30	QPSK	1	1	22.00	22.00	22.00	0.0		
Channel				65064	65060	65056	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				346540	346536	346532			
30	QPSK	1	1	22.07	22.00	22.06	0.0		
Channel				65068	65064	65060	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				346544	346540	346536			
30	QPSK	1	1	22.05	22.05	22.06	0.0		
Channel				65072	65068	65064	Turn-up Int. (dBm)	MPT (dB)	
Frequency (MHz)				346548	346544	346540			
30	QPSK	1	1	21.87	22.07	22.08	0.0		

Part27Q_n77_Ant_3												
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up Int. (dBm)	MPT (dB)				
Channel				SABR-98			23.0	0.0				
Frequency (MHz)				3680								
100	P1/D BPSK	1	1	22.17	22.28	22.17				23.0	0.0	
100	P1/D BPSK	1	137	22.16	22.27	22.08						
100	P1/D BPSK	1	371	22.24	22.28	22.17						
100	P1/D BPSK	136	5	21.75	21.80	21.72						
100	P1/D BPSK	136	49	22.21	22.02	22.10	22.0	0.0				
100	P1/D BPSK	136	136	21.79	21.73	21.63	22.5	0.0				
100	P1/D BPSK	276	6	21.71	21.70	21.61	22.0	0.0				
100	QPSK	1	1	22.25	22.20	22.17	23.0	0.0				
100	QPSK	1	137	22.10	22.22	22.10						
100	QPSK	1	271	22.16	22.06	22.12						
100	QPSK	136	5	21.76	21.73	21.70						
100	QPSK	136	49	22.22	22.00	22.11	22.0	1.0				
100	QPSK	136	136	21.68	21.59	21.60	22.0	1.0				
100	QPSK	276	6	21.70	21.74	21.71	22.0	1.0				
100	VCQAM	1	1	21.69	21.58	21.64	22.0	1.0				
100	VCQAM	1	1	16.20	16.20	16.20	22.5	2.0				
80	Frequency (MHz)	3680			SABR-98			Turn-up Int. (dBm)	MPT (dB)			
		3680			22.15			22.0	0.0			
50	Frequency (MHz)	3680			SABR-98			Turn-up Int. (dBm)	MPT (dB)			
		3680			22.14			22.0	0.0			
50	Frequency (MHz)	3680			SABR-98			Turn-up Int. (dBm)	MPT (dB)			
		3680			22.15			22.0	0.0			
40	Frequency (MHz)	3680			SABR-98			Turn-up Int. (dBm)	MPT (dB)			
		3680			22.16			22.0	0.0			
30	Frequency (MHz)	3680			SABR-98			Turn-up Int. (dBm)	MPT (dB)			
		3680			22.16			22.0	0.0			
30	QPSK	1	1	22.14	22.16	22.14	22.5	0.0				
Channel				SABR-98			23.0	0.0				
Frequency (MHz)				3680								
20	P1/D BPSK	1	1	22.17	22.17	22.12						
20	P1/D BPSK	1	137	22.16	22.16	22.12						
20	P1/D BPSK	1	371	22.24	22.24	22.12						

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Csm	SB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Turn-on Int. (dBm)	MPT (dB)	
Channel				SMB-94			23.0	0.0	
100	P13-BPSK	1	1	22.80					
100	P13-BPSK	1	137	23.95					
100	P13-BPSK	1	371	23.38					
100	P13-BPSK	136	5	22.07					
100	P13-BPSK	136	69	23.05			22.5	0.5	
100	P13-BPSK	136	136	23.03					
100	P13-BPSK	270	5	23.08					
100	QPSK	1	1	22.94					
100	QPSK	1	137	22.57			23.0	0.0	
100	QPSK	1	271	22.95					
100	QPSK	136	5	21.50					
100	QPSK	136	69	22.00					
100	QPSK	270	5	21.57					
100	VCQAM	1	1	21.49			22.0	1.0	
100	VCQAM	1	1	21.52					
100	VCQAM	1	1	19.57					
100	VCQAM	1	1	19.57					
Channel				63055	63052	63050	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63050	63053	63056			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63053	63050	63048			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63048	63051	63054	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63051	63048	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055	63052	63049			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63046	63049	63052			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63052	63049	63046	Turn-up Int. (dBm)	MPT (dB)	
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63049	63052	63055			
30	QPSK	1	1	20.99	20.50	20.01			
Channel				63055</					

Reduced Power Mode for ECI 17

n2_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	23.09	23.12	23.11		
20	PI2 BPSK	1	53	22.99	23.08	23.06	24.5	0.0
20	PI2 BPSK	1	104	23.00	23.14	23.04		
20	PI2 BPSK	50	0	22.67	22.68	22.67	24.0	0.5
20	PI2 BPSK	50	28	22.94	23.06	23.00	24.5	0.0
20	PI2 BPSK	50	56	22.90	22.95	22.93		
20	PI2 BPSK	100	0	22.99	22.92	22.92	24.0	0.5
20	QPSK	1	1	23.09	23.15	23.10		
20	QPSK	1	53	23.06	23.12	23.08	24.5	0.0
20	QPSK	1	104	23.01	23.13	23.11		
20	QPSK	50	0	21.94	22.05	21.95	23.5	1.0
20	QPSK	50	28	22.97	23.08	23.01	24.5	0.0
20	QPSK	50	56	22.92	22.11	22.01	23.5	1.0
20	QPSK	100	0	21.96	22.05	21.93		
20	16QAM	1	1	21.87	21.70	21.63	23.5	1.0
20	64QAM	1	1	20.24	20.33	20.30	22.0	2.5
20	256QAM	1	1	18.82	18.88	18.87	20.0	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	23.06	23.02	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.03	23.02	22.98	24.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.97	23.12	23.03	24.5	0.0

n2_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68		
20	PI2 BPSK	1	53	22.68	22.64	22.53	24.5	0.0
20	PI2 BPSK	1	104	22.71	22.75	22.67		
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5
20	PI2 BPSK	50	28	22.36	22.66	22.65	24.5	0.0
20	PI2 BPSK	50	56	22.05	22.25	22.17		
20	PI2 BPSK	100	0	22.24	22.19	22.15	24.0	0.5
20	QPSK	1	1	22.67	22.90	22.79		
20	QPSK	1	53	22.67	22.79	22.68	24.5	0.0
20	QPSK	1	104	22.74	22.82	22.71		
20	QPSK	50	0	21.55	21.63	21.55	23.5	1.0
20	QPSK	50	28	22.35	22.62	22.57	24.5	0.0
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.75	21.59		
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02	22.0	2.5
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.96	22.99	22.84	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.74	22.78	22.68	24.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0

n2_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.99	23.07	23.03		
20	PI2 BPSK	1	53	23.02	23.05	22.99	24.5	0.0
20	PI2 BPSK	1	104	22.90	23.02	22.90		
20	PI2 BPSK	50	0	22.44	22.57	22.42	24.0	0.5
20	PI2 BPSK	50	28	22.86	23.05	22.91	24.5	0.0
20	PI2 BPSK	50	56	22.41	22.52	22.51		
20	PI2 BPSK	100	0	22.47	22.80	22.54	24.0	0.5
20	QPSK	1	1	23.09	23.14	23.10		
20	QPSK	1	53	23.00	23.12	23.02	24.5	0.0
20	QPSK	1	104	23.06	23.13	23.08		
20	QPSK	50	0	22.92	22.08	21.92	23.5	1.0
20	QPSK	50	28	22.95	23.05	22.98	24.5	0.0
20	QPSK	50	56	21.95	22.00	22.02	23.5	1.0
20	QPSK	100	0	21.81	21.95	21.83		
20	16QAM	1	1	21.72	21.76	21.69	23.5	1.0
20	64QAM	1	1	20.09	20.19	20.10	22.0	2.5
20	256QAM	1	1	18.55	18.70	18.63	20.0	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.96	23.01	23.07	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47		
20	PI2 BPSK	1	53	23.49	23.66	23.66	25.0	0.0
20	PI2 BPSK	1	104	23.43	23.55	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0
20	PI2 BPSK	50	56	22.99	23.08	22.95		
20	PI2 BPSK	100	0	22.91	23.03	22.94	24.5	0.5
20	QPSK	1	1	23.51	23.70	23.61		
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0
20	QPSK	1	104	23.45	23.56	23.58		
20	QPSK	50	0	22.55	22.71	22.59	24.0	1.0
20	QPSK	50	28	23.48	23.62	23.49	25.0	0.0
20	QPSK	50	56	22.30	22.49	22.28		
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0
20	16QAM	1	1	22.36	22.53	22.45	24.0	1.0
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.50	23.66	23.49	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39		
20	PI2 BPSK	1	53	23.42	23.53	23.51	25.0	0.0
20	PI2 BPSK	1	104	23.38	23.50	23.48		
20	PI2 BPSK	50	0	22.95	23.06	23.04	24.5	0.5
20	PI2 BPSK	50	28	23.21	23.46	23.32	25.0	0.0
20	PI2 BPSK	50	56	22.91	23.00	22.85		
20	PI2 BPSK	100	0	22.87	23.02	22.91	24.5	0.5
20	QPSK	1	1	23.51	23.59	23.56		
20	QPSK	1	53	23.35	23.50	23.46	25.0	0.0
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52	25.0	1.0
20	QPSK	50	28	23.39	23.52	23.42	25.0	0.0
20	QPSK	50	56	22.24	22.36	22.24		
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0
20	16QAM	1	1	22.21	22.36	22.37	24.0	1.0
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.10	23.12	23.14		
20	PI2 BPSK	1	1	22.96	23.10	23.05	24.5	0.0
20	PI2 BPSK	1	53	22.91	23.05	23.01		
20	PI2 BPSK	1	104	22.89	23.06	22.94		
20	PI2 BPSK	50	0	22.55	22.62	22.50		
20	PI2 BPSK	50	28	23.10	23.11	23.06	24.5	0.0
20	PI2 BPSK	50	56	22.53	22.60	22.50	24.0	0.5
20	PI2 BPSK	100	0	22.57	22.58	22.48		
20	QPSK	1	1	23.09	23.12	23.04		
20	QPSK	1	53	23.04	23.06	22.94		
20	QPSK	1	104	22.95	23.08	22.96	24.5	1.0
20	QPSK	50	0	21.97	21.97	21.82	23.5	0.0
20	QPSK	50	28	23.02	23.08	22.97	24.5	0.0
20	QPSK	50	56	21.85	21.96	21.95	23.5	1.0
20	QPSK	100	0	21.86	22.00	21.84	22.0	2.5
20	16QAM	1	1	21.95	21.70	21.58		
20	16QAM	1	1	20.19	20.20	20.10		
20	256QAM	1	1	18.83	18.86	18.59		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2335	2362.5	(dBm)	(dB)
15	QPSK	1	1	22.98	23.09	22.94	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2305	2335	2365	(dBm)	(dB)
10	QPSK	1	1	22.95	22.97	23.00	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2302.5	2335	2367.5	(dBm)	(dB)
5	QPSK	1	1	23.01	23.04	22.95	24.5	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20.10	20.12	20.14		
20	PI2 BPSK	1	1	20.08	20.12	19.99	21.5	0.0
20	PI2 BPSK	1	53	20.05	20.05	20.08		
20	PI2 BPSK	1	104	20.11	20.10	20.00		
20	PI2 BPSK	50	0	20.00	20.04	19.97		
20	PI2 BPSK	50	28	20.10	20.09	20.02	21.5	0.0
20	PI2 BPSK	50	56	20.05	20.12	20.03	21.5	0.0
20	PI2 BPSK	100	0	20.07	20.07	20.02		
20	QPSK	1	1	20.15	20.16	20.12		
20	QPSK	1	53	20.09	20.04	20.10		
20	QPSK	1	104	20.11	20.06	20.04	21.5	0.0
20	QPSK	50	0	20.12	20.05	19.97	21.5	0.0
20	QPSK	50	28	20.13	20.16	20.09	21.5	0.0
20	QPSK	50	56	20.10	20.12	20.04	21.5	0.0
20	QPSK	100	0	20.14	20.15	20.06	21.5	0.0
20	16QAM	1	1	20.14	20.10	20.08		
20	16QAM	1	1	20.14	20.12	19.98		
20	256QAM	1	1	19.03	19.02	18.99		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2007.5	2035	2062.5	(dBm)	(dB)
15	QPSK	1	1	20.09	20.14	19.97	21.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2005	2035	2065	(dBm)	(dB)
10	QPSK	1	1	20.06	20.11	20.08	21.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2002.5	2035	2067.5	(dBm)	(dB)
5	QPSK	1	1	20.04	20.06	20.10	21.5	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.10	23.12	23.14		
20	PI2 BPSK	1	1	23.00	23.02	22.93	24.5	0.0
20	PI2 BPSK	1	53	22.82	22.97	22.96		
20	PI2 BPSK	1	104	22.89	22.95	22.92		
20	PI2 BPSK	50	0	22.51	22.56	22.52		
20	PI2 BPSK	50	28	22.86	23.00	22.96	24.5	0.0
20	PI2 BPSK	50	56	22.52	22.60	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.46	22.52	22.43		
20	QPSK	1	1	22.99	23.05	23.02		
20	QPSK	1	53	22.89	23.02	22.88		
20	QPSK	1	104	22.86	23.00	22.95	24.5	1.0
20	QPSK	50	0	22.02	22.10	22.05	23.5	0.0
20	QPSK	50	28	22.92	22.98	22.95	24.5	0.0
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.92	21.99	21.85	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77		
20	16QAM	1	1	20.34	20.35	20.29		
20	256QAM	1	1	18.83	18.88	18.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2335	2362.5	(dBm)	(dB)
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2305	2335	2365	(dBm)	(dB)
10	QPSK	1	1	22.94	22.92	23.00	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2302.5	2335	2367.5	(dBm)	(dB)
5	QPSK	1	1	22.93	22.97	22.98	24.5	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI2 BPSK	1	40	23.05	23.17	23.07			
15	PI2 BPSK	1	77	23.26	23.20	23.12			
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5	
15	PI2 BPSK	36	22	23.05	23.16	23.29	24.5	0.0	
15	PI2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5	
15	PI2 BPSK	75	0	22.58	22.73	22.59			
15	QPSK	1	1	23.26	23.30	23.21			
15	QPSK	1	40	23.20	23.13	23.08	24.5	0.0	
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.05	22.00			
15	QPSK	36	22	23.25	23.29	23.18			
15	QPSK	36	43	22.06	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.05	23.5	1.0	
15	16QAM	1	1	21.87	21.95	21.90			
15	64QAM	1	1	20.48	20.59	20.35			
	256QAM	1	1	19.10	19.04	19.07	20.0	4.5	
Channel				140800	141000	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0	
Channel				140300	141000	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0	

n12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.11	23.25	23.19			
15	PI2 BPSK	1	77	23.30	23.31	23.17			
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5	
15	PI2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0	
15	PI2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5	
15	PI2 BPSK	75	0	22.66	22.80	22.67			
15	QPSK	1	1	23.30	23.36	23.24			
15	QPSK	1	40	23.26	23.28	23.19	24.5	0.0	
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0	
15	QPSK	36	0	22.09	22.12	22.00			
15	QPSK	36	22	23.26	23.30	23.24			
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12	23.5	1.0	
15	16QAM	1	1	21.97	22.10	22.02			
15	64QAM	1	1	20.59	20.60	20.48			
	256QAM	1	1	19.12	19.18	19.16	20.0	4.5	
Channel				140800	141000	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	(dBm)	(dB)	
10	QPSK	1	1	23.25	23.29	23.16	24.5	0.0	
Channel				140300	141000	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)	
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	156	23.11	23.22	23.10		
30	PI2 BPSK	80	0	22.89	22.75	22.67	24.0	0.5
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.5
30	PI2 BPSK	160	0	22.80	22.66	22.54		
30	QPSK	1	1	23.20	23.30	23.24		
30	QPSK	1	80	23.19	23.25	23.12	24.5	0.0
30	QPSK	1	156	23.17	23.21	23.17	23.5	1.0
30	QPSK	80	0	22.16	22.22	22.21		
30	QPSK	80	40	23.09	23.23	23.22		
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.06	22.20	22.15	22.0	2.5
30	16QAM	1	1	21.80	21.80	21.86		
30	64QAM	1	1	20.37	20.48	20.47		
30	256QAM	1	1	18.02	18.05	18.96	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.08	23.19	23.10	24.5	0.0
Channel				343000	348000	349000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	156	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.66	22.61	22.59	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.58	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.56	22.52		
30	QPSK	1	1	23.17	23.27	23.12		
30	QPSK	1	80	23.15	23.21	23.08	24.5	0.0
30	QPSK	1	156	23.08	23.18	23.06	23.5	1.0
30	QPSK	80	0	22.15	22.17	22.20		
30	QPSK	80	40	23.05	23.21	23.13		
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.15	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.89	21.82		
30	64QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1765		
30	PI2 BPSK	1	1	22.81	22.90	22.76	24.5	0.0
30	PI2 BPSK	1	80	22.86	22.87	22.83		
30	PI2 BPSK	1	156	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.39	22.45	22.38	24.0	0.5
30	PI2 BPSK	80	40	22.85	22.89	22.86	24.5	0.0
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24		
30	QPSK	1	1	22.89	22.95	22.63		
30	QPSK	1	80	22.86	22.90	22.76	24.5	0.0
30	QPSK	1	156	22.80	22.86	22.77	23.5	1.0
30	QPSK	80	0	21.84	21.96	21.91		
30	QPSK	80	40	22.75	22.90	22.79		
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0
30	16QAM	1	1	21.82	21.70	21.56		
30	64QAM	1	1	20.17	20.31	20.25		
30	256QAM	1	1	18.81	18.83	18.79	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.72	22.82	22.64	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.78	22.82	22.76	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	680.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10			
15	PI2 BPSK	36	0	22.67	22.71	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.77			
15	QPSK	1	1	23.20	23.26	23.27			
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0	
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0	
15	QPSK	36	0	21.99	22.06	21.91			
15	QPSK	36	22	23.15	23.25	23.18			
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06			
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.91	20.95	20.97	22.0	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	1	23.18	23.19	23.25	24.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5 <td>660.5</td> <td>665.5</td> <th colspan="3"></th>	660.5	665.5			
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI/2 BPSK	1	40	23.18	23.21	23.13			
15	PI/2 BPSK	1	77	23.20	23.26	23.13			
15	PI/2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	PI/2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	PI/2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5	
15	PI/2 BPSK	75	0	22.73	22.85	22.62			
15	QPSK	1	1	23.34	23.36	23.29			
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0	
15	QPSK	1	77	23.16	23.26	23.16	23.5	1.0	
15	QPSK	36	0	23.07	23.16	22.92			
15	QPSK	36	22	23.27	23.28	23.23			
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.19	22.16			
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0	
15	64QAM	1	1	20.60	20.63	20.48	22.0	2.5	
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	663			
10	QPSK	1	1	23.31	23.29	23.27	24.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	660.5	665.5			
5	QPSK	1	1	23.30	23.29	23.19	24.5	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB (KHz)	SB Offset	Power Low Ch. 1 (W)	Power Max. Ch. 1 (W)	Power High Ch. 1 (W)	Turnup (ms)	APR3 (dB)	
Channel				5180.4	5180.5	5180.6			
Frequency (MHz)				2202.02	2205	2208.98			
40	PSS BPSK	1	1	22.82	22.81	22.87	24.5	0.0	
40	PSS BPSK	1	53	22.82	22.82	22.87			
40	PSS BPSK	1	104	22.82	22.84	22.84			
40	PSS BPSK	30	0	22.82	22.85	22.82	24.5	0.0	
40	PSS BPSK	30	26	22.82	22.87	22.82			
40	PSS BPSK	30	50	22.82	22.88	22.82	24.0	0.5	
40	PSS BPSK	30	0	22.82	22.84	22.87			
40	QPSK	1	1	22.82	22.85	22.82	24.5	0.0	
40	QPSK	1	53	22.85	22.83	22.82			
40	QPSK	1	104	22.83	22.86	22.82	24.5	0.0	
40	QPSK	30	0	21.83	21.88	21.88			
40	QPSK	30	26	22.76	22.83	22.77	24.5	0.0	
40	QPSK	30	50	22.81	22.87	22.81			
40	QPSK	100	0	21.81	21.86	21.86	24.0	0.5	
40	QPSK	1	1	21.82	21.85	21.82			
40	QPSK	1	53	21.85	21.88	21.82	24.0	0.5	
40	QPSK	1	104	21.82	21.84	21.87			
40	QPSK	30	0	18.25	18.42	18.35	20.0	4.5	
40	QPSK	30	26	22.02	22.03	22.02			
Channel				5180.62	5180.5	5180.05			
Frequency (MHz)				2202.02	2205	2208.98			
30	QPSK	1	1	22.85	22.84	22.87	24.5	0.0	
30	QPSK	1	53	22.85	22.85	22.87			
30	QPSK	1	104	22.85	22.85	22.87	24.5	0.0	
30	QPSK	30	0	22.85	22.85	22.87			
30	QPSK	30	26	22.85	22.85	22.87	24.5	0.0	
30	QPSK	30	50	22.85	22.85	22.87			
30	QPSK	100	0	22.85	22.85	22.87	24.5	0.0	
30	QPSK	1	1	22.85	22.85	22.87			

n38_Ant_2									
BW (MHz)	Modulation	RB (KHz)	SB Offset	Power Low Ch. 1 (W)	Power Max. Ch. 1 (W)	Power High Ch. 1 (W)	Turnup (ms)	APR3 (dB)	
Channel				5180.4	5180.5	5180.6			
Frequency (MHz)				2202.02	2205	2208.98			
40	PSS BPSK	1	1	18.85	18.72	18.78	21.0	0.0	
40	PSS BPSK	1	53	18.85	18.73	18.71			
40	PSS BPSK	1	104	18.85	18.76	18.75	21.0	0.0	
40	PSS BPSK	30	0	18.85	18.77	18.87			
40	PSS BPSK	30	26	18.85	18.87	18.75	21.0	0.0	
40	PSS BPSK	30	50	18.85	18.87	18.84			
40	PSS BPSK	100	0	18.85	18.71	18.85	21.0	0.0	
40	QPSK	1	1	18.85	18.86	18.75			
40	QPSK	1	53	18.87	18.87	18.71	21.0	0.0	
40	QPSK	1	104	18.85	18.76	18.84			
40	QPSK	30	0	18.84	18.88	18.75	21.0	0.0	
40	QPSK	30	26	18.85	18.78	18.75			
40	QPSK	30	50	18.85	18.76	18.75	21.0	0.0	
40	QPSK	100	0	18.85	18.75	18.74			
40	QPSK	1	1	18.85	18.87	18.75	21.0	0.0	
40	QPSK	1	53	18.87	18.87	18.71			
40	QPSK	1	104	18.85	18.76	18.74	21.0	0.0	
40	QPSK	30	0	18.85	18.79	18.74			
40	QPSK	30	26	18.85	18.76	18.74	21.0	0.0	
40	QPSK	30	50	18.85	18.76	18.74			
40	QPSK	100	0	18.85	18.76	18.74	21.0	0.0	
40	QPSK	1	1	18.85	18.86	18.85			
Channel				2202.02	2205.00	2208.98	Turnup (ms)		
Frequency (MHz)				2202.02	2205.00	2208.98	Turnup (ms)		
30	QPSK	1	1	18.85	18.73	18.73	21.0	0.0	
30	QPSK	1	53	18.85	18.73	18.73			
30	QPSK	1	104	18.85	18.73	18.73	21.0	0.0	
30	QPSK	30	0	18.85	18.73	18.73			
30	QPSK	30	26	18.85	18.73	18.73	21.0	0.0	
30	QPSK	30	50	18.85	18.73	18.73			
30	QPSK	100	0	18.85	18.73	18.73	21.0	0.0	
30	QPSK	1	1	18.85	18.88	18.87			

n38_Ant_4									
BW (MHz)	Modulation	RB (KHz)	SB Offset	Power Low Ch. 1 (W)	Power Max. Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (secs)	APR3 (dB)	
Channel				5180.4	5180.5	5180.6			
Frequency (MHz)				2202.02	2205	2208.98			
40	PSS BPSK	1	1	22.86	22.88	22.84	24.5	0.0	
40	PSS BPSK	1	53	22.75	22.86	22.88			
40	PSS BPSK	1	104	22.81	22.85	22.87	24.5	0.0	
40	PSS BPSK	30	0	22.87	22.87	22.84			
40	PSS BPSK	30	26	22.85	22.88	22.85	24.5	0.0	
40	PSS BPSK	30	50	22.81	22.85	22.88			
40	PSS BPSK	30	0	22.85	22.87	22.85	24.0	0.5	
40	QPSK	1	1	22.85	22.88	22.85			
40	QPSK	1	53	22.81	22.85	22.85	24.5	0.0	
40	QPSK	1	104	22.89	22.82	22.85			
40	QPSK	30	0	21.82	21.84	21.85	24.5	0.0	
40	QPSK	30	26	22.85	22.84	22.85			
40	QPSK	30	50	21.88	21.85	21.85	24.5	0.0	
40	QPSK	100	0	21.80	21.85	21.84			
40	QPSK	1	1	21.77	21.85	21.79	24.5	0.0	
40	QPSK	1	53	21.77	21.85	21.79			
40	QPSK	1	104	21.77	21.85	21.79	24.5	0.0	
40	QPSK	30	0	21.77	21.85	21.79			
40	QPSK	30	26	21.77	21.85	21.79	24.5	0.0	
40	QPSK	30	50	21.77	21.85	21.79			
40	QPSK	100	0	21.77	21.85	21.79	24.5	0.0	
40	QPSK	1	1	21.77	21.85	21.79			
40	QPSK	1	53	21.77	21.85	21.79	24.5	0.0	
40	QPSK	1	104	21.77	21.85	21.79			
40	QPSK	30	0	21.77	21.85	21.79	24.5	0.0	
40	QPSK	30	26	21.77	21.85	21.79			
40	QPSK	30	50	21.77	21.85	21.79	24.5	0.0	
40	QPSK	100	0	21.77	21.85	21.79			
40	QPSK	1	1	21.77	21.85	21.79	24.5	0.0	
40	QPSK	1	53	21.77	21.85	21.79			
40	QPSK	1	104	21.77	21.85	21.79	24.5	0.0	
40	QPSK	30	0	21.77	21.85	21.79			
40	QPSK	30	26	21.77	21.85	21.79	24.5	0.0	
40	QPSK	30	50	21.77	21.85	21.79			

Reduced Power Mode for ECI 18

n2_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
20	PI/2 BPSK	1	1	23.09	23.12	23.11	24.5
20	PI/2 BPSK	1	53	22.99	23.08	23.06	
20	PI/2 BPSK	1	104	23.00	23.14	23.04	
20	PI/2 BPSK	50	0	22.87	22.86	22.57	24.0
20	PI/2 BPSK	50	28	22.94	23.06	23.00	24.5
20	PI/2 BPSK	50	56	22.80	22.86	22.53	24.0
20	PI/2 BPSK	100	0	22.09	22.82	22.52	
20	QPSK	1	1	23.09	23.15	23.13	
20	QPSK	1	53	23.06	23.12	23.08	24.5
20	QPSK	1	104	23.01	23.13	23.11	
20	QPSK	50	0	21.94	22.06	21.96	23.5
20	QPSK	50	28	22.07	23.08	23.01	24.5
20	QPSK	50	56	22.02	22.11	22.01	23.5
20	QPSK	100	0	21.96	22.05	21.93	23.5
20	16QAM	1	1	21.87	21.70	21.63	23.5
20	64QAM	1	1	20.24	20.33	20.30	22.0
20	256QAM	1	1	18.82	18.88	18.87	20.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.97	23.06	23.02	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.03	23.02	22.98	24.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.97	23.12	23.03	24.5

n2_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
20	PI/2 BPSK	1	1	22.68	22.70	22.68	24.5
20	PI/2 BPSK	1	53	22.68	22.64	22.53	
20	PI/2 BPSK	1	104	22.71	22.75	22.67	
20	PI/2 BPSK	50	0	22.21	22.21	22.05	24.0
20	PI/2 BPSK	50	28	22.58	22.66	22.85	24.5
20	PI/2 BPSK	50	56	22.05	22.25	22.17	24.0
20	PI/2 BPSK	100	0	22.24	22.19	22.15	
20	QPSK	1	1	22.67	22.65	22.79	
20	QPSK	1	53	22.67	22.78	22.68	24.5
20	QPSK	1	104	22.74	22.82	22.71	
20	QPSK	50	0	21.56	21.63	21.56	23.5
20	QPSK	50	28	22.50	22.62	22.57	24.5
20	QPSK	50	56	21.70	21.68	21.76	23.5
20	QPSK	100	0	21.63	21.78	21.69	23.5
20	16QAM	1	1	21.55	21.58	21.53	23.5
20	64QAM	1	1	20.05	20.10	20.02	22.0
20	256QAM	1	1	18.49	18.57	18.63	20.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.86	22.88	22.84	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.74	22.78	22.66	24.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.83	22.82	22.75	24.5

n2_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
20	PI/2 BPSK	1	1	22.02	22.16	22.02	23.5
20	PI/2 BPSK	1	53	21.99	22.04	22.09	
20	PI/2 BPSK	1	104	22.04	22.04	22.05	
20	PI/2 BPSK	50	0	22.11	22.09	21.96	23.5
20	PI/2 BPSK	50	28	21.97	22.04	22.05	23.5
20	PI/2 BPSK	50	56	22.05	22.13	22.05	23.5
20	PI/2 BPSK	100	0	22.10	22.04	21.97	
20	QPSK	1	1	22.12	22.18	22.10	
20	QPSK	1	53	22.08	22.09	22.06	23.5
20	QPSK	1	104	22.05	22.13	21.97	
20	QPSK	50	0	22.09	22.10	21.97	23.5
20	QPSK	50	28	22.10	22.12	22.07	23.5
20	QPSK	50	56	21.96	22.00	22.02	23.5
20	QPSK	100	0	21.81	21.95	21.93	23.5
20	16QAM	1	1	21.72	21.76	21.69	23.5
20	64QAM	1	1	20.09	20.19	20.10	22.0
20	256QAM	1	1	18.55	18.70	18.63	20.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.06	22.16	22.05	23.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.04	22.05	22.07	23.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.97	22.15	22.03	23.5

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167900		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0
20	PI2 BPSK	1	53	23.49	23.66	23.66		
20	PI2 BPSK	1	104	23.43	23.55	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61		
20	QPSK	1	53	23.36	23.56	23.55	25.0	0.0
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0
20	QPSK	50	0	22.56	22.71	22.59		
20	QPSK	50	28	23.46	23.62	23.49		
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0
20	QPSK	100	0	22.36	22.57	22.42	24.0	1.0
20	16QAM	1	1	22.36	22.53	22.45		
20	64QAM	1	1	21.00	21.00	20.94		
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.58	23.55	23.57	25.0	0.0
Channel				167500	167500	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166600	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0
20	PI2 BPSK	1	53	23.42	23.53	23.51		
20	PI2 BPSK	1	104	23.38	23.50	23.48		
20	PI2 BPSK	50	0	22.96	23.06	23.04	24.5	0.5
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5
20	PI2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.51	23.56	23.55		
20	QPSK	1	53	23.36	23.36	23.46	25.0	0.0
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0
20	QPSK	50	0	22.48	22.57	22.52		
20	QPSK	50	28	23.39	23.52	23.42		
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0
20	16QAM	1	1	22.31	22.38	22.37		
20	64QAM	1	1	20.89	20.96	20.89		
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0
Channel				166800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				167500	167500	167500		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.06	22.07	21.98	23.5	0.0
20	PI2 BPSK	1	53	22.03	22.05	22.02		
20	PI2 BPSK	1	104	22.04	22.09	22.01		
20	PI2 BPSK	50	0	21.97	22.14	22.04	23.5	0.0
20	PI2 BPSK	50	28	21.98	22.06	21.92	23.5	0.0
20	PI2 BPSK	50	56	22.07	22.01	21.97	23.5	0.0
20	PI2 BPSK	100	0	21.98	22.06	21.92	23.5	0.0
20	QPSK	1	1	22.10	22.15	22.07		
20	QPSK	1	53	21.96	22.14	21.97		
20	QPSK	1	104	22.03	22.11	21.96		
20	QPSK	50	0	21.87	21.97	21.82	23.5	0.0
20	QPSK	50	28	21.99	22.05	22.00	23.5	0.0
20	QPSK	50	56	21.85	21.99	21.85	23.5	0.0
20	QPSK	100	0	21.86	22.00	21.94	23.5	0.0
20	16QAM	1	1	21.95	21.70	21.58	23.5	0.0
20	64QAM	1	1	20.19	20.20	20.10	22.0	1.5
20	256QAM	1	1	18.63	18.86	18.59	20.0	3.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2515	2522.5		
15	QPSK	1	1	22.03	22.08	22.04	23.5	0.0
Channel				501800	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.08	22.12	22.03	23.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.09	22.14	21.96	23.5	0.0

n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.45	18.55	18.36	20.0	0.0
20	PI2 BPSK	1	53	18.45	18.45	18.43		
20	PI2 BPSK	1	104	18.63	18.55	18.43		
20	PI2 BPSK	50	0	18.46	18.41	18.35	20.0	0.0
20	PI2 BPSK	50	28	18.48	18.57	18.44	20.0	0.0
20	PI2 BPSK	50	56	18.48	18.55	18.41	20.0	0.0
20	PI2 BPSK	100	0	18.53	18.47	18.50		
20	QPSK	1	1	18.69	18.63	18.60		
20	QPSK	1	53	18.46	18.48	18.57	20.0	0.0
20	QPSK	1	104	18.53	18.55	18.45		
20	QPSK	50	0	18.52	18.45	18.37		
20	QPSK	50	28	18.57	18.61	18.53	20.0	0.0
20	QPSK	50	56	18.60	18.59	18.51	20.0	0.0
20	QPSK	100	0	18.56	18.58	18.45	20.0	0.0
20	16QAM	1	1	18.54	18.45	18.44	20.0	0.0
20	64QAM	1	1	18.50	18.54	18.45	20.0	0.0
20	256QAM	1	1	18.44	18.61	18.41	20.0	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2515	2522.5		
15	QPSK	1	1	18.50	18.51	18.45	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.44	18.54	18.43	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.51	18.57	18.43	20.0	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.00	23.02	22.93	24.5	0.0
20	PI2 BPSK	1	53	22.82	22.97	22.96		
20	PI2 BPSK	1	104	22.89	22.95	22.82		
20	PI2 BPSK	50	0	22.91	22.96	22.92	24.0	0.5
20	PI2 BPSK	50	28	22.86	23.00	22.95	24.5	0.0
20	PI2 BPSK	50	56	22.92	22.80	22.48	24.0	0.5
20	PI2 BPSK	100	0	22.46	22.92	22.43		
20	QPSK	1	1	22.98	23.05	23.02		
20	QPSK	1	53	22.89	23.02	22.88	24.5	0.0
20	QPSK	1	104	22.86	23.00	22.93		
20	QPSK	50	0	22.02	22.10	22.06	23.5	1.0
20	QPSK	50	28	22.92	22.98	22.95	24.5	0.0
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.92	21.99	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77		
20	64QAM	1	1	20.34	20.35	20.29		
20	256QAM	1	1	18.83	18.88	18.77	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2515	2522.5		
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0
Channel				501800	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.94	22.92	23.00	24.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	22.97	22.98	24.5	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI2 BPSK	1	40	23.05	23.17	23.07			
15	PI2 BPSK	1	77	23.28	23.20	23.12			
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5	
15	PI2 BPSK	36	22	23.05	23.18	23.29			
15	PI2 BPSK	36	43	22.59	22.74	22.49			
15	PI2 BPSK	75	0	22.58	22.73	22.59	24.0	0.5	
15	QPSK	1	1	23.25	23.30	23.21			
15	QPSK	1	40	23.20	23.10	23.08			
15	QPSK	1	77	23.15	23.16	23.16	24.5	0.0	
15	QPSK	36	0	22.07	22.06	22.00			
15	QPSK	36	22	23.25	23.23	23.18			
15	QPSK	36	43	22.09	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.09			
15	16QAM	1	1	21.87	21.95	21.90		23.5	
15	16QAM	1	1	20.48	20.59	20.38			
15	256QAM	1	1	19.48	19.04	19.07		20.0	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0	
Channel				140300	141500	142700			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.13	23.27	23.16	24.5	0.0	

n12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.11	23.25	23.19			
15	PI2 BPSK	1	77	23.30	23.31	23.17			
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5	
15	PI2 BPSK	36	22	23.17	23.32	23.31			
15	PI2 BPSK	36	43	22.65	22.77	22.64			
15	PI2 BPSK	75	0	22.66	22.80	22.67	24.0	0.5	
15	QPSK	1	1	23.25	23.36	23.24			
15	QPSK	1	40	23.26	23.26	23.19			
15	QPSK	1	77	23.18	23.30	23.20	24.5	0.0	
15	QPSK	36	0	22.09	22.12	22.09			
15	QPSK	36	22	23.25	23.30	23.24			
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12			
15	16QAM	1	1	21.97	22.10	22.02		23.5	
15	16QAM	1	1	20.59	20.60	20.48			
15	256QAM	1	1	19.12	19.18	19.16		20.0	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.16	24.5	0.0	
Channel				140300	141500	142700			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.26	23.16		
30	PI2 BPSK	1	80	23.17	23.20	23.19	24.5	0.0
30	PI2 BPSK	1	158	23.11	23.22	23.10		
30	PI2 BPSK	80	0	22.89	22.75	22.87	24.0	0.5
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.85	22.73	22.85	24.0	0.5
30	PI2 BPSK	160	0	22.80	22.86	22.54	24.0	0.5
30	QPSK	1	1	23.20	23.30	23.24	24.5	0.0
30	QPSK	1	80	23.19	23.26	23.12		
30	QPSK	1	158	23.17	23.21	23.17		
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0
30	QPSK	80	40	23.09	23.23	23.22	24.5	0.0
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.25	22.20	22.15	23.5	1.0
30	16QAM	1	1	21.80	21.80	21.86	23.5	1.0
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5
30	256QAM	1	1	19.02	19.05	18.96	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0
Channel				343800	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0

n66_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10		
30	PI2 BPSK	1	80	23.04	23.16	23.16	24.5	0.0
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.96	22.81	22.99	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.98	22.81	22.87	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.56	22.82	24.0	0.5
30	QPSK	1	1	23.17	23.27	23.12	24.5	0.0
30	QPSK	1	80	23.16	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.19	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5
30	256QAM	1	1	18.92	18.96	18.94	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722	1745	1770		
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	22.81	22.80	22.76		
30	PI2 BPSK	1	80	22.86	22.87	22.83	24.5	0.0
30	PI2 BPSK	1	158	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.36	22.45	22.36	24.0	0.5
30	PI2 BPSK	80	40	22.85	22.88	22.80	24.5	0.0
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24	24.0	0.5
30	QPSK	1	1	22.89	22.93	22.83	24.5	0.0
30	QPSK	1	80	22.85	22.90	22.76		
30	QPSK	1	158	22.83	22.88	22.77		
30	QPSK	80	0	21.84	21.96	21.91	23.5	1.0
30	QPSK	80	40	22.75	22.90	22.75	24.5	0.0
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0
30	16QAM	1	1	21.62	21.70	21.56	23.5	1.0
30	64QAM	1	1	20.17	20.31	20.26	22.0	2.5
30	256QAM	1	1	18.81	18.83	18.79	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.72	22.82	22.68	24.5	0.0
Channel				343800	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.78	22.82	22.76	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100	24.5	0.0
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0
15	PI2 BPSK	1	40	23.12	23.18	23.04		
15	PI2 BPSK	1	77	23.16	23.17	23.10	24.0	0.0
15	PI2 BPSK	36	0	22.07	22.71	22.59		
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.0	0.0
15	PI2 BPSK	36	43	22.06	22.67	22.62		
15	PI2 BPSK	75	0	22.72	22.73	22.77	24.5	0.0
15	QPSK	1	1	23.25	23.28	23.27		
15	QPSK	1	40	23.17	23.25	23.16	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10		
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0
15	QPSK	36	22	23.19	23.25	23.16		
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0
15	QPSK	75	0	22.00	22.06	22.06		
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0
15	64QAM	1	1	20.91	20.95	20.97		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				133600	136100	138600		
Frequency (MHz)				666	680.5	693	24.5	0.0
10	QPSK	1	1	23.16	23.19	23.25		
Channel				133100	136100	139100	24.5	0.0
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0

n71_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100	24.5	0.0
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0
15	PI2 BPSK	1	40	23.16	23.21	23.13		
15	PI2 BPSK	1	77	23.20	23.26	23.13	24.0	0.5
15	PI2 BPSK	36	0	22.77	22.93	22.69		
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.78	22.67		
15	PI2 BPSK	75	0	22.73	22.85	22.62	24.0	0.5
15	QPSK	1	1	23.34	23.35	23.25		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.28	23.16		
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.16	22.16		
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				133600	136100	138600		
Frequency (MHz)				666	680.5	693	24.5	0.0
10	QPSK	1	1	23.31	23.28	23.27		
Channel				133100	136100	139100	24.5	0.0
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.30	23.28	23.19	24.5	0.0

n38_Ant 1										
BW (MHz)	Modulation	RB (MHz)	SSB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Time up (ms)	dBm	dBd	
Channel				51684	51684	51684				
Frequency (MHz)				2360.00	2365	2369.98				
40	PSS-BPSK	1	1	21.66	21.82	21.75				
40	PSS-BPSK	1	1.5	21.67	21.84	21.76	23.5	0.0		
40	PSS-BPSK	1	104	21.66	21.97	21.91				
40	PSS-BPSK	50	5	21.65	21.93	21.85	23.5	0.0		
40	PSS-BPSK	50	104	21.61	21.91	21.75	23.5	0.0		
40	PSS-BPSK	100	50	21.74	21.82	21.85	23.5	0.0		
40	PSS-BPSK	100	0	21.72	21.78	21.81				
40	QPSK	1	1	21.65	21.85	21.75				
40	QPSK	1	1.5	21.70	21.83	21.69	23.5	0.0		
40	QPSK	1	104	21.61	21.91	21.76				
40	QPSK	50	5	21.65	21.78	21.75	23.5	0.0		
40	QPSK	50	104	21.61	21.93	21.75	23.5	0.0		
40	QPSK	100	50	21.64	21.86	21.75	23.5	0.0		
40	QPSK	100	0	21.69	21.81	21.81				
40	VCQAM	1	1	21.65	21.92	21.91	23.5	0.0		
40	VCQAM	1	1	21.65	21.92	21.91	23.5	0.0		
Channel				51700	51700	51700				
Frequency (MHz)				2362.51	2365	2365.99				
30	QPSK	1	1	21.61	21.97	21.60	23.5	0.0		
Channel				51680	51680	51680				
Frequency (MHz)				2360	2365	2365				
20	QPSK	1	1	21.65	21.82	21.66	23.5	0.0		

n38_Ant 2										
BW (MHz)	Modulation	RB (MHz)	SSB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Time up (ms)	dBm	dBd	
Channel				51684	51684	51684				
Frequency (MHz)				2360.00	2365	2369.98				
40	PSS-BPSK	1	1	18.15	18.21	18.15				
40	PSS-BPSK	1	1.5	18.03	18.13	18.07	18.5	0.0		
40	PSS-BPSK	1	104	17.66	18.25	18.15				
40	PSS-BPSK	50	5	18.02	18.13	18.07	18.5	0.0		
40	PSS-BPSK	50	104	17.69	18.11	18.02	18.5	0.0		
40	PSS-BPSK	100	50	17.69	18.15	18.05	18.5	0.0		
40	PSS-BPSK	100	0	17.81	18.12	18.15				
40	QPSK	1	1	18.15	18.27	18.21				
40	QPSK	1	1.5	17.67	18.11	18.09	18.5	0.0		
40	QPSK	1	104	18.09	18.19	18.05				
40	QPSK	50	5	18.07	18.26	18.15	18.5	0.0		
40	QPSK	50	104	18.15	18.22	18.15	18.5	0.0		
40	QPSK	100	50	17.68	18.16	18.15	18.5	0.0		
40	QPSK	100	0	18.09	18.18	18.15				
40	VCQAM	1	1	17.66	18.06	18.12	18.5	0.0		
40	VCQAM	1	1	18.09	18.25	18.21	18.5	0.0		
Channel				51700	51700	51700				
Frequency (MHz)				2362.51	2365	2365.99				
30	QPSK	1	1	18.09	18.17	18.12	18.5	0.0		
Channel				51680	51680	51680				
Frequency (MHz)				2360	2365	2365				
20	QPSK	1	1	18.11	18.23	18.21	18.5	0.0		

n38_Ant 4										
BW (MHz)	Modulation	RB (MHz)	SSB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Time up (ms)	dBm	dBd	
Channel				51684	51684	51684				
Frequency (MHz)				2360.00	2365	2369.98				
40	PSS-BPSK	1	1	22.69	22.83	22.84				
40	PSS-BPSK	1	1.5	22.78	22.95	22.86	24.5	0.0		
40	PSS-BPSK	1	104	22.61	22.95	22.87				
40	PSS-BPSK	50	5	22.67	22.97	22.84	24.5	0.0		
40	PSS-BPSK	50	104	22.65	23.02	22.85	24.5	0.0		
40	PSS-BPSK	100	50	22.61	22.45	22.58	24.0	0.0		
40	PSS-BPSK	100	0	22.98	22.47	22.55				
40	QPSK	1	1	22.65	23.05	22.85				
40	QPSK	1	1.5	22.61	22.85	22.62	24.5	0.0		
40	QPSK	1	104	22.69	23.05	22.86				
40	QPSK	50	5	22.62	23.08	22.85	23.5	1.0		
40	QPSK	50	104	22.65	23.04	22.85	24.5	0.0		
40	QPSK	100	50	22.68	23.02	22.85	23.5	1.0		
40	QPSK	100	0	23.00	23.06	23.04				
40	VCQAM	1	1	21.71	22.80	21.78	23.5	1.0		
40	VCQAM	1	1	22.25	23.45	22.25	23.5	1.0		
Channel				51700	51700	51700				
Frequency (MHz)				2362.51	2365	2365.99				
30	QPSK	1	1	22.97	23.04	23.00	24.5	0.0		
Channel				51680	51680	51680				
Frequency (MHz)				2360	2365	2365				
20	QPSK	1	1	22.61	22.97	22.84	24.5	0.0		

FCC_n41_Ant 1										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. F (MHz)	Power High Ch. F (MHz)	Power High Ch. F (MHz)	Turn-on Int. (dBm)	APRT (dB)		
Channel										
Frequency (MHz)				2565.01	2560.99	2560				
100	PSS BPSK	1	1	21.04	21.75	21.72	23.5	0.0		
100	PSS BPSK	1	127	21.08	21.72	21.71				
100	PSS BPSK	1	271	21.00	21.66	21.61				
100	PSS BPSK	100	0	21.05	21.68	21.70	23.5	0.0		
100	PSS BPSK	100	66	21.09	21.71	21.71	23.5	0.0		
100	PSS BPSK	100	138	22.09	22.72	22.71	23.5	0.0		
100	PSS BPSK	270	0	21.06	21.74	21.70	23.5	0.0		
100	QPSK	1	1	22.01	21.70	21.70				
100	QPSK	1	127	21.00	21.70	21.71				
100	QPSK	100	0	21.75	21.76	21.68	23.5	0.0		
100	QPSK	100	66	21.05	21.70	21.68	23.5	0.0		
100	QPSK	100	138	21.06	21.74	21.70	23.5	0.0		
100	QPSK	270	0	21.73	21.70	21.68	23.5	0.0		
100	VCQAM	1	1	21.06	21.65	21.64	23.5	0.0		
100	VCQAM	1	1	21.75	21.62	21.61	23.5	0.0		
100	VCQAM	1	1	20.93	20.21	20.12	23.5	2.0		
Channel										
500	500K	500K	500K	500K	500K	500K	Turn-up Int. (dBm)	APRT (dB)		
Frequency (MHz)				2561	2560.99	2560.98	23.5	0.0		
Channel										
80	QPSK	1	1	21.04	21.50	21.71	23.5	0.0		
Channel										
Frequency (MHz)				2557.04	2557.00	2556.98	23.5	0.0		
80	QPSK	1	1	21.03	21.50	21.60	23.5	0.0		
Channel										
Frequency (MHz)				2551.01	2550.99	2550.98	23.5	0.0		
70	QPSK	1	1	21.73	21.64	21.68	23.5	0.0		
Channel										
Frequency (MHz)				2551.01	2550.99	2550.98	23.5	0.0		
80	QPSK	1	1	21.73	21.63	21.60	23.5	0.0		
Channel										
Frequency (MHz)				2551.02	2550.99	2550.98	23.5	0.0		
50	QPSK	1	1	21.06	21.64	21.60	23.5	0.0		
Channel										
Frequency (MHz)				2116.21	2102.99	2070	23.5	0.0		
40	QPSK	1	1	21.06	21.60	21.60	23.5	0.0		
Channel										
Frequency (MHz)				2111	2102.99	2070.68	23.5	0.0		
30	QPSK	1	1	21.70	21.63	21.60	23.5	0.0		
Channel										
Frequency (MHz)				501.04	500.08	500.08	23.5	0.0		
30	QPSK	1	1	21.70	21.64	21.61	23.5	0.0		
Channel										
Frequency (MHz)				501.04	500.08	500.08	23.5	0.0		
20	QPSK	1	1	21.70	21.64	21.61	23.5	0.0		

FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. F (MHz)	Power High Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up Int. (dBm)	APRT (dB)		
Channel										
Frequency (MHz)				2560.01	2560.99	2560				
100	PSS BPSK	1	1	18.22	18.19	18.05	18.5	0.0		
100	PSS BPSK	1	127	18.26	18.05	18.12				
100	PSS BPSK	1	271	18.23	18.18	18.10				
100	PSS BPSK	100	0	18.22	18.10	18.02	18.5	0.0		
100	PSS BPSK	100	66	18.17	18.10	18.12	18.5	0.0		
100	PSS BPSK	100	138	18.17	18.12	18.05	18.5	0.0		
100	PSS BPSK	270	0	18.17	18.22	18.10	18.5	0.0		
100	QPSK	1	1	18.20	18.21	18.10				
100	QPSK	1	127	18.22	18.12	18.01				
100	QPSK	1	271	18.14	18.11	18.00	18.5	0.0		
100	QPSK	100	0	18.17	18.15	18.02	18.5	0.0		
100	QPSK	100	66	18.22	18.10	18.12	18.5	0.0		
100	QPSK	100	138	18.12	18.12	18.00	18.5	0.0		
100	QPSK	270	0	18.18	18.14	18.11	18.5	0.0		
100	VCQAM	1	1	18.13	18.12	18.12	18.5	0.0		
100	VCQAM	1	1	18.24	18.02	18.02	18.5	0.0		
Channel										
Frequency (MHz)				2561	2560.99	2560.98				
50	QPSK	1	1	18.24	18.22	18.08	18.5	0.0		
Channel										
Frequency (MHz)				1827.04	1827.00	1826.98				
80	QPSK	1	1	18.14	18.20	17.98	18.5	0.0		
Channel										
Frequency (MHz)				2551.01	2550.99	2550.98				
70	QPSK	1	1	18.16	18.15	18.01	18.5	0.0		
Channel										
Frequency (MHz)				2551.01	2550.99	2550.98				
80	QPSK	1	1	18.20	18.20	18.05	18.5	0.0		
Channel										
Frequency (MHz)				2551.02	2550.99	2550.98				
50	QPSK	1	1	18.16	18.22	18.12	18.5	0.0		
Channel										
Frequency (MHz)				2116.21	2102.99	2070				
40	QPSK	1	1	18.22	18.22	18.10	18.5	0.0		
Channel										
Frequency (MHz)				2111	2102.99	2070.68				
30	QPSK	1	1	18.20	18.10	18.10	18.5	0.0		
Channel										
Frequency (MHz)				501.04	500.08	500.08				
30	QPSK	1	1	18.19	18.08	18.01	18.5	0.0		

FCC_n41_Ant 4										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. F (MHz)	Power High Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up Int. (dBm)	APRT (dB)		
Channel										
Frequency (MHz)				2565.01	2560.99	2560				
100	PSS BPSK	1	1	23.46	23.72	23.58	23.5	0.0		
100	PSS BPSK	1	127	23.49	23.62	23.56				
100	PSS BPSK	1	271	23.44	23.54	23.53				
100	PSS BPSK	100	0	23.75	23.67	23.58	23.5	0.0		
100	PSS BPSK	100	66	23.69	23.65	23.60	23.5	0.0		
100	PSS BPSK	100	138	23.68	23.56	23.50	23.5	0.0		
100	PSS BPSK	270	0	23.64	23.58	23.53	23.5	0.0		
100	QPSK	1	1	23.69	23.71	23.61				
100	QPSK	1	127	23.61	23.66	23.60				
100	QPSK	1	271	23.68	23.68	23.60	23.5	0.0		
100	QPSK	100	0	23.72	23.75	23.68	23.5	0.0		
100	QPSK	100	66	23.69	23.61	23.53	23.5	0.0		
100	QPSK	100	138	23.71	23.62	23.50	23.5	0.0		
100	QPSK	270	0	23.72	23.67	23.60	23.5	0.0		
100	VCQAM	1	1	23.70	23.67	23.60	23.5	0.0		
100	VCQAM	1	1	23.65	23.64	23.62	23.5	0		
Channel										
Frequency (MHz)				2571.02	2566.99	2566				
50	QPSK	1	1	23.61	23.76	23.67	23.5	0.0		
Channel										
Frequency (MHz)				2577.02	2572.99	2572				
50	QPSK	1	1	23.66	23.79	23.69	23.5	0.0		
Channel										
Frequency (MHz)				2583.02	2578.99	2578				
50	QPSK	1	1	23.71	23.86	23.73	23.5	0.0		
Channel										
Frequency (MHz)				2589.02	2584.99	2584				
50	QPSK	1	1	23.76	23.90	23.80	23.5	0.0		
Channel										
Frequency (MHz)				2595.02	2590.99	2590				
50	QPSK	1	1	23.81	23.95	23.83	23.5	0.0		
Channel										
Frequency (MHz)				2601.02	2596.99	2596				
50	QPSK	1	1	23.86	24.00	23.87	23.5	0.0		
Channel										
Frequency (MHz)				2607.02	2602.99	2602				
50	QPSK	1	1	23.91	24.05	23.92	23.5	0.0		
Channel										
Frequency (MHz)				2613.02	2608.99	2608				
50	QPSK	1	1	23.96	24.10	23.97	23.5	0.0		
Channel										
Frequency (MHz)				2619.02	2614.99	2614				
50	QPSK	1	1	24.01	24.15	24.02	23.5	0.0		
Channel										
Frequency (MHz)				2625.02	2620.99	2620				
50	QPSK	1	1	24.06	24.20	24.03	23.5	0.0		

Part27Q_n77_Ant 1										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-on Int. (dBm)	MPE (dB)		
Channel										
Frequency (MHz)				63052	63052	63052				
100	P10-BPSK	1	1	20.80			21.5	0.0		
100	P10-BPSK	1	127	20.70						
100	P10-BPSK	1	271	20.64						
100	P10-BPSK	136	5	20.70						
100	P10-BPSK	136	66	20.60			21.5	0.0		
100	P10-BPSK	136	136	20.65			21.5	0.0		
100	P10-BPSK	270	0	20.73						
100	QPSK	1	1	20.80			21.5	0.0		
100	QPSK	1	127	20.81						
100	QPSK	136	2	20.76						
100	QPSK	136	66	20.60						
100	QPSK	136	136	20.65			21.5	0.0		
100	QPSK	270	0	20.73						
100	VCQAM	1	1	20.73			21.5	0.0		
100	VCQAM	1	1	18.17			21.5	0.0		
100	28QCSK	1	1	18.17			18.5	1.0		
100	28QCSK	1	1	18.17			18.5	1.0		
Channel										
Frequency (MHz)				63052	63052	63052	Turnup Int. (dBm)	MPE (dB)		
80	QPSK	1	1	20.81	20.52	20.60	21.5	0.0		
Channel										
Frequency (MHz)				63052	63052	63052	Turnup Int. (dBm)	MPE (dB)		
80	QPSK	1	1	20.80	20.79	20.78	21.5	0.0		
Channel										
Frequency (MHz)				63104	63102	63102	Turnup Int. (dBm)	MPE (dB)		
40	QPSK	1	1	20.79	20.64	20.60	21.5	0.0		
Channel										
Frequency (MHz)				63104	63102	63102	Turnup Int. (dBm)	MPE (dB)		
40	QPSK	1	1	20.78	20.68	20.67	21.5	0.0		
Channel										
Frequency (MHz)				63104	63102	63102	Turnup Int. (dBm)	MPE (dB)		
20	QPSK	1	1	20.77	20.74	20.65	21.5	0.0		

Part27Q_n77_Ant 1										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn up Int. (dBm)	MPE (dB)		
Channel										
Frequency (MHz)				3000	3000	3000				
100	P10-BPSK	1	1	20.45	20.61	20.64	21.5	0.0		
100	P10-BPSK	1	127	20.38	20.61	20.61				
100	P10-BPSK	1	271	20.49	20.70	20.60				
100	P10-BPSK	136	5	20.43	20.68	20.64				
100	P10-BPSK	136	66	20.32	20.68	20.61	21.5	0.0		
100	P10-BPSK	136	136	20.31	20.64	20.46	21.5	0.0		
100	P10-BPSK	270	0	20.54	20.54	20.38				
100	QPSK	1	1	20.50	20.71	20.50	21.5	0.0		
100	QPSK	1	127	20.42	20.50	20.50				
100	QPSK	136	2	20.30	20.48	20.30				
100	QPSK	136	66	20.20	20.50	20.20				
100	QPSK	136	136	20.25	20.50	20.25	21.5	0.0		
100	QPSK	270	0	20.46	20.46	20.46				
100	VCQAM	1	1	20.46	20.60	20.46	21.5	0.0		
100	VCQAM	1	1	18.04	18.20	18.10	21.5	0.0		
100	28QCSK	1	1	17.46	17.61	17.60	18.5	1.0		
Channel										
Frequency (MHz)				63054	63054	63054	Turnup Int. (dBm)	MPE (dB)		
80	QPSK	1	1	20.94	20.58	20.58	21.5	0.0		
Channel										
Frequency (MHz)				63054	63054	63054	Turnup Int. (dBm)	MPE (dB)		
80	QPSK	1	1	20.91	20.57	20.58	21.5	0.0		
Channel										
Frequency (MHz)				32501	32501	32501	Turnup Int. (dBm)	MPE (dB)		
40	QPSK	1	1	20.50	20.67	20.64	21.5	0.0		
Channel										
Frequency (MHz)				32501	32501	32501	Turnup Int. (dBm)	MPE (dB)		
40	QPSK	1	1	20.47	20.46	20.50	21.5	0.0		
Channel										
Frequency (MHz)				34502	34502	34502	Turnup Int. (dBm)	MPE (dB)		
20	QPSK	1	1	20.48	20.68	20.50	21.5	0.0		
Channel										
Frequency (MHz)				34502	34502	34502	Turnup Int. (dBm)	MPE (dB)		
20	QPSK	1	1	20.48	20.68	20.50	21.5	0.0		

Part27Q_n77_Ant_3										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn up Int. (dBm)	MPE		
Channel										
Frequency (MHz)				63052	63052	63052				
100	P10-BPSK	1	1	18.10			20.0	0.0		
100	P10-BPSK	1	127	18.10						
100	P10-BPSK	1	271	18.06						
100	P10-BPSK	136	5	18.10						
100	P10-BPSK	136	66	18.02			20.0	0.0		
100	P10-BPSK	136	136	18.12			20.0	0.0		
100	P10-BPSK	270	0	18.04						
100	QPSK	1	1	18.10			20.0	0.0		
100	QPSK	1	127	18.00						
100	QPSK	136	2	18.06						
100	QPSK	136	66	18.00						
100	QPSK	136	136	18.00			20.0	0.0		
100	QPSK	270	0	18.00						
100	VCQAM	1	1	18.00			20.0	0.0		
100	VCQAM	1	1	16.10			20.0	0.0		
100	28QCSK	1	1	16.10			18.5	1.0		
100	28QCSK	1	1	16.10			18.5	1.0		
Channel										
Frequency (MHz)				63056	63056	63056	Turn up Int. (dBm)	MPE		
80	QPSK	1	1	18.10	18.08	18.10	20.0	0.0		
Channel										
Frequency (MHz)				63056	63056	63056	Turn up Int. (dBm)	MPE		
80	QPSK	1	1	18.07	18.10	18.07	20.0	0.0		
Channel										
Frequency (MHz)				34501	34501	34501	Turn up Int. (dBm)	MPE		
40	QPSK	1	1	18.05	18.10	18.08	20.0	0.0		
Channel										
Frequency (MHz)				34501	34501	34501	Turn up Int. (dBm)	MPE		
40	QPSK	1	1	18.07	18.10	18.08	20.0	0.0		
Channel										
Frequency (MHz)				34502	34502	34502	Turn up Int. (dBm)	MPE		
20	QPSK	1	1	18.10	18.10	18.10	20.0	0.0		
Channel										
Frequency (MHz)				34502	34502	34502	Turn up Int. (dBm)	MPE		
20	QPSK	1	1	18.10	18.10	18.10	20.0	0.0		

Part27Q_n77_Ant_3										
BW (MHz)	Modulation	RB Desc	SB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turnup Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)				3000	3000	3000				
100	P10-BPSK	1	1	18.07	18.04	18.06	20.0	0.0		
100	P10-BPSK	1	127	18.04	18.17	18.10				
100	P10-BPSK	1	271	18.17	18.21	18.20				
100	P10-BPSK	136	5	18.10	18.23	18.17				
100	P10-BPSK	136	66	18.17	18.26	18.20	20.0	0.0		
100	P10-BPSK	136	136	18.10	18.31	18.20	20.0	0.0		
100	P10-BPSK	270	0	18.01	18.11	18.08				
100	QPSK	1	1	18.10	18.40	18.10	20.0	0.0		
100	QPSK	1	127	18.17	18.19	18.24				
100	QPSK	136	2	18.04	18.20	18.10				
100	QPSK	136	66	18.00	18.10	18.00				
100	QPSK	136	136	18.00	18.10	18.00	20.0	0.0		
100	QPSK	270	0	18.14	18.28	18.17				
100	VCQAM	1	1	18.10	18.27	18.20	20.0	0.0		
100	VCQAM	1	1	16.10	18.30	18.10	20.0	0.0		
100	28QCSK	1	1	16.10	18.30	18.10	20.0	0.0		
100	28QCSK	1	1	16.10	18.30	18.10	20.0	0.0		
Channel										
Frequency (MHz)				3000	3000	3000				
80	QPSK	1	1	18.10	18.40	18.10	20.0	0.0		
80	QPSK	1	1	18.10	18.40	18.10	20.0	0.0		
Channel										
Frequency (MHz)				3000	3000	3000				
60	QPSK	1	1	18.10	18.30	18.20	20.0	0.0		
60	QPSK	1	1	18.10	18.30	18.20	20.0	0.0		
Channel										
Frequency (MHz)				3000	3000	3000				
40	QPSK	1	1	18.10	18.37	18.24	20.0	0.0		
40	QPSK	1	1	18.10	18.37	18.24	20.0	0.0		
Channel										
Frequency (MHz)				3000	3000	3000				
30	QPSK	1	1	18.10	18.30	18.20	20.0	0.0		
30	QPSK	1	1	18.10	18.30	18.20	20.0	0.0		
Channel										
Frequency (MHz)				3000	3000	3000				
20	QPSK	1	1	18.10	18.20	18.21	20.0	0.0		

Part27Q_n77_Ant 5														
BW (MHz)	Modulation	RB Conn	SB Offset	Power Low Ch. F (W)	Power Max Ch. F (W)	Power High Ch. F (W)	Turn-on Int. (dBm)	MPT (dB)						
Channel				3400										
Frequency (MHz)				3400										
100	P100 BPSK	1	1	18.28	18.28	18.28	18.0	0.0						
100	P100 BPSK	1	127	18.40	18.40	18.40								
100	P100 BPSK	1	271	18.38										
100	P100 BPSK	136	5	18.52										
100	P100 BPSK	136	98	18.50			18.0	0.0						
100	P100 BPSK	136	138	18.54										
100	P100 BPSK	270	0	18.38										
100	QPSK	1	1	18.27	18.27	18.27								
100	QPSK	1	127	18.24			18.0	0.0						
100	QPSK	1	271	18.41										
100	QPSK	136	2	18.47										
100	QPSK	136	98	18.48										
100	QPSK	136	138	18.50			18.0	0.0						
100	QPSK	270	0	18.38										
100	VCQAM	1	1	18.28										
100	VCQAM	1	1	18.30										
100	25QCSK	1	1	18.32			18.5	0.0						
Channel				3400										
Frequency (MHz)				3400										
80	QPSK	1	1	18.44	18.44	18.44	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
80	QPSK	1	1	18.28	18.42	18.42								
Channel				3400			18.0	0.0						
Frequency (MHz)				3400										
40	QPSK	1	1	18.23	18.25	18.40								
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.48	18.48	18.52	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.51	18.48	18.52								

Part27Q_n77_Ant 5														
BW (MHz)	Modulation	RB Conn	SB Offset	Power Low Ch. F (W)	Power Max Ch. F (W)	Power High Ch. F (W)	Turn-on Int. (dBm)	MPT (dB)						
Channel				3400										
Frequency (MHz)				3400										
100	P100 BPSK	1	1	18.27	18.28	18.28	18.0	0.0						
100	P100 BPSK	1	127	18.28	18.31	18.32								
100	P100 BPSK	1	271	18.40	17.88	17.97								
100	P100 BPSK	136	5	18.18	18.13	18.18								
100	P100 BPSK	136	98	18.20	18.14	18.20	18.0	0.0						
100	P100 BPSK	136	138	18.14	17.85	18.00								
100	QPSK	1	1	18.28	18.28	18.28								
100	QPSK	1	127	18.27	18.30	17.88								
100	QPSK	1	271	18.38	18.17	17.90	18.0	0.0						
100	QPSK	136	2	18.28	18.08	18.11								
100	QPSK	136	98	18.25	18.12	18.11								
100	QPSK	136	138	18.27	18.00	17.90								
100	QPSK	270	0	18.23	18.18	18.10	18.0	0.0						
100	VCQAM	1	1	18.13	17.98	17.98								
100	VCQAM	1	1	18.27	18.02	17.90								
100	25QCSK	1	1	18.04	18.12	18.00								
Channel				3400										
Frequency (MHz)				3400										
80	QPSK	1	1	18.24	18.18	18.24	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
40	QPSK	1	1	18.17	18.14	18.12	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.20	18.18	18.20	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.23	18.22	18.18								

Part27Q_n77_Ant_7														
BW (MHz)	Modulation	RB Conn	SB Offset	Power Low Ch. F (W)	Power Max Ch. F (W)	Power High Ch. F (W)	Turn-up Int. (dBm)	MPT						
Channel				3400										
Frequency (MHz)				3400										
100	P100 BPSK	1	1	18.83			18.5	0.0						
100	P100 BPSK	1	127	18.83										
100	P100 BPSK	1	271	18.72										
100	P100 BPSK	136	5	18.88										
100	P100 BPSK	136	98	18.77			18.5	0.0						
100	P100 BPSK	136	138	18.81										
100	P100 BPSK	270	0	18.72										
100	QPSK	1	1	18.82										
100	QPSK	1	127	18.79			18.5	0.0						
100	QPSK	1	271	18.71										
100	QPSK	136	2	18.87										
100	QPSK	136	98	18.82										
100	QPSK	136	138	18.73			18.0	0.0						
100	QPSK	270	0	18.78										
100	VCQAM	1	1	18.86										
100	VCQAM	1	1	18.87										
100	25QCSK	1	1	18.82			18.5	0.0						
Channel				3400										
Frequency (MHz)				3400										
80	QPSK	1	1	18.71	18.88	18.80	18.0	0.0						
Channel				3400										
Frequency (MHz)				3400										
80	QPSK	1	1	18.22	18.80	18.40								
Channel				3400			18.0	0.0						
Frequency (MHz)				3400										
40	QPSK	1	1	18.78	18.83	18.80								
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.71	18.78	18.70	18.5	0.0						
Channel				3400										
Frequency (MHz)				3400										
20	QPSK	1	1	18.70	18.82	18.80								

Part27Q_n77_Ant 7										
BW (MHz)	Modulation	RB Conn	SB Offset	Power Low Ch. F (W)	Power Max Ch. F (W)	Power High Ch. F (W)	Turn-up Int. (dBm)	MPT (dB)		
Channel				34000			340000			
Frequency (MHz)				34000						
100	P100 BPSK	1	1	18.48	18.72	18.60	18.5	0.0		
100	P100 BPSK	1	127	18.78	18.71	18.60				
100	P100 BPSK	1	271	18.64	18.47	18.60				
100	P100 BPSK	136	5	18.65	18.57	18.57				
100	P100 BPSK	136	98	18.70	18.62	18.60	18.5	0.0		
100	P100 BPSK	136	140	18.65	18.47	18.60	18.5	0.0		
100	P100 BPSK	203	4	18.60	18.60	18.58	18.5	0.0		
100	QPSK	1	1	18.80	19.12	19.12	19.0	0.0		
100	QPSK	1	127	19.12	19.05	19.05				
100	QPSK	1	271	18.98	18.80	18.87				
100	QPSK	136	5	19.10	19.02	19.02				
100	QPSK	136	98	19.15	19.07	19.07	19.0	0.0		
100	QPSK	136	140	19.10	18.92	19.07	19.0	0.0		
100	QPSK	203	4	19.14	19.12	19.08	19.0	0.0		
100	QPSK	203	127	19.08	18.90	19.05	19.0	0.0		
100	QPSK	203	271	19.03	18.85	19.02	19.0	0.0		
100	QPSK	203	313	19.08	18.90	19.02	19.0	0.0		
100	QPSK	203	355	19.12	18.94	19.07	19.0	0.0		
80	QPSK	1	1	18.80	19.04	19.04	18.9	0.0		
80	QPSK	1	127	19.04	18.97	18.97				
80	QPSK	1	271	18.90	18.72	18.79				
80	QPSK	136	5	18.92	18.84	18.84				
80	QPSK	136	98	18.97	18.89	18.89	18.9	0.0		
80	QPSK	136	140	18.92	18.74	18.79	18.9	0.0		
80	QPSK	203	4	18.86	18.86	18.84	18.9	0.0		
40	QPSK	1	1	18.58	18.82	18.76	18.6	0.0		
40	QPSK	1	127	18.82	18.75	18.75				
40	QPSK	1	271	18.68	18.50	18.57				
40	QPSK	136	5	18.69	18.61	18.61				
40	QPSK	136	98	18.74	18.66	18.66	18.6	0.0		
40	QPSK	136	140	18.69	18.51	18.57	18.6	0.0		
40	QPSK	203	4	18.64	18.64	18.62	18.6	0.0		
30	QPSK	1	1	18.34	18.58	18.52	18.4	0.0		
30	QPSK	1	127	18.58	18.51	18.51				
30	QPSK	1	271	18.44	18.26	18.33				
30	QPSK	136	5	18.45	18.37	18.37				
30	QPSK	136	98	18.50	18.42	18.42	18.4	0.0		
30	QPSK	136	140	18.45	18.27	18.33	18.4	0.0		
30	QPSK	203	4	18.40	18.40	18.38	18.4	0.0		
20	QPSK	1	1	18.14	18.38	18.32	18.2	0.0		
20	QPSK	1	127	18.38	18.31	18.31				
20	QPSK	1	271	18.24	18.06	18.13				
20	QPSK	136	5	18.25	18.17	18.17				
20	QPSK	136	98	18.30	18.22	18.22	18.2	0.0		
20	QPSK	136	140	18.25	18.07	18.13	18.2	0.0		
20	QPSK	203	4	18.20	18.20	18.18	18.2	0.0		

Reduced Power Mode for ECI 19

n2_Ant 1

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	23.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.47	21.65	21.50		
20	PI/2 BPSK	1	53	21.46	21.59	21.59	23.0	0.0
20	PI/2 BPSK	1	104	21.46	21.62	21.58		
20	PI/2 BPSK	50	0	21.46	21.65	21.45		
20	PI/2 BPSK	50	28	21.55	21.54	21.49	23.0	0.0
20	PI/2 BPSK	50	56	21.48	21.56	21.53		
20	PI/2 BPSK	100	0	21.45	21.64	21.49		
20	QPSK	1	1	21.55	21.66	21.56	23.0	0.0
20	QPSK	1	53	21.55	21.54	21.59		
20	QPSK	1	104	21.57	21.66	21.52		
20	QPSK	50	0	21.57	21.53	21.45	23.0	0.0
20	QPSK	50	28	21.58	21.66	21.55		
20	QPSK	50	56	21.47	21.54	21.54		
20	QPSK	100	0	21.57	21.62	21.56	23.0	0.0
20	16QAM	1	1	21.52	21.54	21.49		
20	64QAM	1	1	20.24	20.33	20.30		
20	256QAM	1	1	18.62	18.88	18.87	20.0	3.0
Channel				371000	375000	379000	23.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.46	21.60	21.55		
Channel				371000	376000	381000	23.0	0.0
Frequency (MHz)				1860	1880	1900		
10	QPSK	1	1	21.44	21.64	21.56		
Channel				370500	376000	381500	23.0	0.0
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	21.51	21.53	21.51		

n2_Ant 2

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.19	22.32	22.11		
20	PI/2 BPSK	1	53	22.23	22.21	22.22	24.0	0.0
20	PI/2 BPSK	1	104	22.26	22.19	22.13		
20	PI/2 BPSK	50	0	22.21	22.21	22.05		
20	PI/2 BPSK	50	28	22.16	22.28	22.18	24.0	0.0
20	PI/2 BPSK	50	56	22.05	22.25	22.17		
20	PI/2 BPSK	100	0	22.24	22.19	22.15		
20	QPSK	1	1	22.21	22.33	22.25	24.0	0.0
20	QPSK	1	53	22.14	22.18	22.18		
20	QPSK	1	104	22.16	22.32	22.16		
20	QPSK	50	0	21.56	21.63	21.56	23.5	0.5
20	QPSK	50	28	22.17	22.24	22.12		
20	QPSK	50	56	21.70	21.69	21.76		
20	QPSK	100	0	21.63	21.76	21.59	23.5	0.5
20	16QAM	1	1	21.55	21.58	21.53		
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.48	18.57	18.65	20.0	4.0
Channel				371000	376000	381000	24.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.26	22.32	22.19		
Channel				371000	376000	381000	24.0	0.0
Frequency (MHz)				1860	1880	1900		
10	QPSK	1	1	22.12	22.18	22.21		
Channel				370500	376000	381500	24.0	0.0
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	22.16	22.26	22.23		

n2_Ant 4

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	20.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.05	19.11	19.01		
20	PI/2 BPSK	1	53	19.10	19.12	19.00	20.5	0.0
20	PI/2 BPSK	1	104	18.99	19.05	19.08		
20	PI/2 BPSK	50	0	19.12	19.02	19.01		
20	PI/2 BPSK	50	28	19.04	19.02	19.00	20.5	0.0
20	PI/2 BPSK	50	56	19.02	19.05	19.06		
20	PI/2 BPSK	100	0	18.98	19.01	19.07		
20	QPSK	1	1	19.15	19.16	19.10	20.5	0.0
20	QPSK	1	53	18.99	19.05	19.09		
20	QPSK	1	104	19.10	19.07	19.03		
20	QPSK	50	0	19.05	19.08	19.06	20.5	0.0
20	QPSK	50	28	19.11	19.12	19.06		
20	QPSK	50	56	19.09	19.10	19.05		
20	QPSK	100	0	19.08	19.10	19.09	20.5	0.0
20	16QAM	1	1	19.03	19.10	18.97		
20	64QAM	1	1	18.99	19.03	19.00		
20	256QAM	1	1	18.56	18.70	18.63	20.0	0.5
Channel				371000	375000	379000	20.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.01	19.14	18.98		
Channel				371000	376000	381000	20.5	0.0
Frequency (MHz)				1860	1880	1900		
10	QPSK	1	1	19.04	19.07	19.00		
Channel				370500	376000	381500	20.5	0.0
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	18.98	19.05	18.99		

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0
20	PI2 BPSK	1	53	23.49	23.66	23.66		
20	PI2 BPSK	1	104	23.43	23.56	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0
20	QPSK	1	53	23.38	23.56	23.55		
20	QPSK	1	104	23.45	23.59	23.58		
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0
20	QPSK	50	28	23.40	23.62	23.68	25.0	0.0
20	QPSK	50	56	22.30	22.49	22.35	24.0	1.0
20	QPSK	100	0	22.38	22.57	22.42		
20	16QAM	1	1	22.36	22.53	22.45	24.0	1.0
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				167300	167800	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.50	23.66	23.48	25.0	0.0
Channel				168800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				840	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				846.5	836.5	846.5		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0
20	PI2 BPSK	1	53	23.42	23.53	23.51		
20	PI2 BPSK	1	104	23.39	23.50	23.48		
20	PI2 BPSK	50	0	22.95	23.05	23.04	24.5	0.5
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5
20	PI2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.61	23.66	23.55	25.0	0.0
20	QPSK	1	53	23.35	23.50	23.46		
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52	24.0	1.0
20	QPSK	50	28	23.38	23.52	23.42	25.0	0.0
20	QPSK	50	56	22.24	22.36	22.34	24.0	1.0
20	QPSK	100	0	22.36	22.45	22.35		
20	16QAM	1	1	22.31	22.38	22.37	24.0	1.0
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5
20	256QAM	1	1	19.29	19.42	19.27	20.5	4.5
Channel				167300	167800	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.45	23.56	23.53	25.0	0.0
Channel				168800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				840	836.5	844		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				846.5	836.5	846.5		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	20.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.47	18.50	18.59		
20	PI2 BPSK	1	53	18.48	18.62	18.54		
20	PI2 BPSK	1	104	18.44	18.54	18.46	20.0	0.0
20	PI2 BPSK	50	0	18.49	18.62	18.54	20.0	0.0
20	PI2 BPSK	50	28	18.54	18.54	18.46	20.0	0.0
20	PI2 BPSK	50	56	18.44	18.51	18.45	20.0	0.0
20	PI2 BPSK	100	0	18.44	18.53	18.48	20.0	0.0
20	QPSK	1	1	18.55	18.55	18.55	20.0	0.0
20	QPSK	1	53	18.47	18.60	18.47		
20	QPSK	1	104	18.49	18.57	18.46		
20	QPSK	50	0	18.49	18.61	18.42		
20	QPSK	50	28	18.55	18.64	18.52	20.0	0.0
20	QPSK	50	56	18.44	18.55	18.49	20.0	0.0
20	QPSK	100	0	18.50	18.63	18.49	20.0	0.0
20	16QAM	1	1	18.57	18.52	18.45	20.0	0.0
20	64QAM	1	1	18.57	18.63	18.48	20.0	0.0
20	256QAM	1	1	18.47	18.58	18.58	20.0	0.0
Channel				501000	507000	512000	20.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.55	18.53	18.50		
Channel				501000	507000	513000	20.0	0.0
Frequency (MHz)				2505	2535	2565		
18	QPSK	1	1	18.55	18.50	18.49	20.0	0.0
Channel				500000	507000	513500	20.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.46	18.51	18.58	20.0	0.0

n7_Ant 2

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	22.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	21.17	21.21	21.01		
20	PI2 BPSK	1	53	21.14	21.11	21.09		
20	PI2 BPSK	1	104	21.03	21.17	21.04	22.5	0.0
20	PI2 BPSK	50	0	21.14	21.19	21.04	22.5	0.0
20	PI2 BPSK	50	28	21.12	21.11	21.10	22.5	0.0
20	PI2 BPSK	50	56	21.11	21.15	21.11	22.5	0.0
20	PI2 BPSK	100	0	21.09	21.14	21.12	22.5	0.0
20	QPSK	1	1	21.16	21.22	21.15	22.5	0.0
20	QPSK	1	53	21.11	21.07	21.08		
20	QPSK	1	104	21.13	21.15	21.11		
20	QPSK	50	0	21.03	21.14	21.07		
20	QPSK	50	28	21.09	21.18	21.12	22.5	0.0
20	QPSK	50	56	21.02	21.07	21.07	22.5	0.0
20	QPSK	100	0	21.07	21.17	21.10	22.5	0.0
20	16QAM	1	1	21.05	21.13	21.14	22.5	0.0
20	64QAM	1	1	20.47	20.55	20.47	22.0	0.5
20	256QAM	1	1	18.63	18.62	18.59	20.0	2.5
Channel				501000	507000	512000	22.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.03	21.13	21.14		
Channel				501000	507000	513000	22.5	0.0
Frequency (MHz)				2505	2535	2565		
18	QPSK	1	1	21.06	21.20	21.14	22.5	0.0
Channel				500000	507000	513500	22.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.06	21.13	21.06	22.5	0.0

n7_Ant 4

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	21.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	19.52	19.48	19.47		
20	PI2 BPSK	1	53	19.49	19.43	19.38		
20	PI2 BPSK	1	104	19.43	19.57	19.45	21.0	0.0
20	PI2 BPSK	50	0	19.46	19.46	19.34	21.0	0.0
20	PI2 BPSK	50	28	19.51	19.56	19.44	21.0	0.0
20	PI2 BPSK	50	56	19.41	19.51	19.40	21.0	0.0
20	PI2 BPSK	100	0	19.38	19.45	19.34	21.0	0.0
20	QPSK	1	1	19.53	19.55	19.49	21.0	0.0
20	QPSK	1	53	19.46	19.53	19.38		
20	QPSK	1	104	19.43	19.44	19.44		
20	QPSK	50	0	19.45	19.54	19.47		
20	QPSK	50	28	19.50	19.57	19.46	21.0	0.0
20	QPSK	50	56	19.46	19.47	19.46	21.0	0.0
20	QPSK	100	0	19.51	19.55	19.45	21.0	0.0
20	16QAM	1	1	19.42	19.57	19.41	21.0	0.0
20	64QAM	1	1	19.30	19.54	19.34	21.0	0.0
20	256QAM	1	1	18.83	18.88	18.77	20.0	1.0
Channel				501000	507000	512000	21.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.42	19.51	19.39		
Channel				501000	507000	513000	21.0	0.0
Frequency (MHz)				2505	2535	2565		
18	QPSK	1	1	19.51	19.55	19.45	21.0	0.0
Channel				500000	507000	513500	21.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.39	19.44	19.41	21.0	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.11	23.27	23.10	24.5	0.0	
15	PI2 BPSK	1	40	23.05	23.17	23.07			
15	PI2 BPSK	1	77	23.28	23.20	23.12			
15	PI2 BPSK	36	0	22.62	22.70	22.60	24.0	0.5	
15	PI2 BPSK	36	22	23.05	23.18	23.29	24.5	0.0	
15	PI2 BPSK	36	43	22.59	22.74	22.49	24.0	0.5	
15	PI2 BPSK	75	0	22.58	22.75	22.59			
15	QPSK	1	1	23.15	23.30	23.21			
15	QPSK	1	40	23.20	23.13	23.08	24.5	0.0	
15	QPSK	1	77	23.15	23.16	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.06	22.00			
15	QPSK	36	22	23.25	23.29	23.18			
15	QPSK	36	43	22.09	22.08	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.19	22.06			
15	16QAM	1	1	21.87	21.95	21.80	23.5	1.0	
15	64QAM	1	1	20.48	20.59	20.38	22.0	2.5	
15	256QAM	1	1	19.10	19.04	19.07	20.0	4.5	
Channel				704	140300	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.07	24.5	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.13	23.27	23.15	24.5	0.0	

n12_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.19	23.30	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.11	23.25	23.19			
15	PI2 BPSK	1	77	23.30	23.31	23.17			
15	PI2 BPSK	36	0	22.77	22.83	22.74	24.0	0.5	
15	PI2 BPSK	36	22	23.17	23.32	23.31	24.5	0.0	
15	PI2 BPSK	36	43	22.65	22.77	22.64	24.0	0.5	
15	PI2 BPSK	75	0	22.66	22.80	22.67			
15	QPSK	1	1	23.25	23.36	23.24			
15	QPSK	1	40	23.26	23.28	23.19	24.5	0.0	
15	QPSK	1	77	23.18	23.30	23.20	23.5	1.0	
15	QPSK	36	0	22.09	22.12	22.09			
15	QPSK	36	22	23.25	23.30	23.24			
15	QPSK	36	43	22.14	22.18	22.12	23.5	1.0	
15	QPSK	75	0	22.10	22.20	22.12			
15	16QAM	1	1	21.97	22.10	22.02	23.5	1.0	
15	64QAM	1	1	20.59	20.60	20.48	22.0	2.5	
15	256QAM	1	1	19.12	19.18	19.16	20.0	4.5	
Channel				140600	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	23.25	23.29	23.16	24.5	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	23.17	23.29	23.23	24.5	0.0	



n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.26	23.16		
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	158	23.11	23.22	23.10	24.0	0.5
30	PI2 BPSK	80	0	22.69	22.75	22.67		
30	PI2 BPSK	80	40	23.20	23.25	23.23		
30	PI2 BPSK	80	80	22.85	22.73	22.65		
30	PI2 BPSK	160	0	22.80	22.66	22.54	24.5	0.0
30	QPSK	1	1	23.15	23.26	23.16		
30	QPSK	1	80	23.19	23.25	23.12		
30	QPSK	1	158	23.17	23.21	23.17		
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0
30	QPSK	80	40	23.09	23.23	23.22		
30	QPSK	80	80	22.19	22.34	22.20		
30	QPSK	160	0	22.05	22.20	22.15		
30	16QAM	1	1	21.80	21.93	21.86	23.5	1.0
30	16QAM	1	1	20.37	20.48	20.47		
30	256QAM	1	1	18.02	18.08	18.96		
Channel				345000	349000	353000	20.0	4.5
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.08	23.19	23.16		
Channel				343500	349000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
18	QPSK	1	1	23.11	23.22	23.16		
Channel				343000	349000	355000	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.07	23.28	23.23		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.08	23.18	23.18		

n66_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10		
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04	24.0	0.5
30	PI2 BPSK	80	0	22.66	22.61	22.59		
30	PI2 BPSK	80	40	23.18	23.22	23.11		
30	PI2 BPSK	80	80	22.58	22.61	22.57		
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0
30	QPSK	1	1	23.11	23.27	23.15		
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0
30	QPSK	80	40	23.05	23.21	23.13		
30	QPSK	80	80	22.06	22.12	22.18		
30	QPSK	160	0	21.98	22.19	22.11		
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0
30	16QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.94		
Channel				345000	349000	353000	20.0	4.5
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.10	23.14	23.10		
Channel				343500	349000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04		
Channel				343000	349000	355000	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.14	22.97		

n66_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	22.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	20.33	20.49	20.39		
30	PI2 BPSK	1	80	20.31	20.40	20.32		
30	PI2 BPSK	1	158	20.34	20.39	20.33	22.0	0.0
30	PI2 BPSK	80	0	20.40	20.49	20.31		
30	PI2 BPSK	80	40	20.39	20.43	20.41		
30	PI2 BPSK	80	80	20.43	20.38	20.32		
30	PI2 BPSK	160	0	20.32	20.39	20.28	22.0	0.0
30	QPSK	1	1	20.45	20.50	20.43		
30	QPSK	1	80	20.44	20.37	20.37		
30	QPSK	1	158	20.41	20.48	20.35		
30	QPSK	80	0	20.40	20.42	20.31	22.0	0.0
30	QPSK	80	40	20.44	20.48	20.35		
30	QPSK	80	80	20.42	20.37	20.32		
30	QPSK	160	0	20.39	20.42	20.34		
30	16QAM	1	1	20.39	20.40	20.41	22.0	0.0
30	16QAM	1	1	20.17	20.31	20.26		
30	256QAM	1	1	18.81	18.83	18.79		
Channel				345000	349000	353000	20.0	2.0
Frequency (MHz)				1720	1745	1770	22.0	0.0
20	QPSK	1	1	20.31	20.48	20.33		
Channel				343500	349000	354500	22.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
18	QPSK	1	1	20.33	20.45	20.33		
Channel				343000	349000	355000	22.0	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.44	20.38	20.35		
Channel				342500	349000	355500	22.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.31	20.40	20.37		

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Medo Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0
15	PI2 BPSK	1	40	23.12	23.18	23.04		
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	22.67	22.71	22.59	24.0	0.5
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.15	23.26	23.11	24.5	0.0
15	QPSK	1	40	23.17	23.25	23.18		
15	QPSK	1	77	23.07	23.13	23.10		
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0
15	QPSK	36	22	23.15	23.25	23.18	24.5	0.0
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0
15	QPSK	75	0	22.00	22.08	22.06		
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0
15	64QAM	1	1	20.51	20.55	20.37	22.0	2.5
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				668	680.5	693	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				133.100	135.100	137.100	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.16	23.19	23.25		
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.17	23.19	23.23		

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Medo Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0
15	PI2 BPSK	1	40	23.16	23.21	23.13		
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5
15	PI2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.14	23.26	23.13	24.5	0.0
15	QPSK	1	40	23.26	23.32	23.22		
15	QPSK	1	77	23.16	23.28	23.16		
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0
15	QPSK	36	22	23.07	23.23	23.23	24.5	0.0
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.19	22.16		
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0
15	64QAM	1	1	20.60	20.63	20.48	22.0	2.5
15	256QAM	1	1	19.26	19.26	19.15	20.0	4.5
Channel				133.100	135.100	137.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.31	23.28	23.27		
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.30	23.20	23.19		

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power High Ch. F (Hz)	Power High Ch. F (Hz)	Time up (ms)	MFR (dB)	
Channel				5180.4	5180.5	5180.6			
Frequency (MHz)				2592.22	2595	2598.98			
40	PSS	1	1	18.41	18.33	18.36	20.0	0.0	
40	PSS	1	53	18.42	18.46	18.34			
40	PSS	1	104	18.31	18.37	18.34	20.0	0.0	
40	PSS	1	154	18.31	18.34	18.27			
40	PSS	100	0	18.43	18.46	18.35	20.0	0.0	
40	PSS	100	26	18.32	18.38	18.31			
40	PSS	100	52	18.32	18.34	18.41	20.0	0.0	
40	PSS	100	78	18.30	18.40	18.27			
40	CPSS	1	1	18.43	18.42	18.41	20.0	0.0	
40	CPSS	1	53	18.42	18.47	18.32			
40	CPSS	1	104	18.30	18.40	18.31	20.0	0.0	
40	CPSS	100	0	18.39	18.43	18.27			
40	CPSS	100	26	18.41	18.42	18.40	20.0	0.0	
40	CPSS	100	52	18.32	18.36	18.35			
40	CPSS	100	78	18.42	18.43	18.35	20.0	0.0	
40	CPSS	100	0	18.42	18.43	18.35			
40	CPSS	1	1	18.42	18.40	18.40	20.0	0.0	
40	CPSS	1	1	18.31	18.47	18.35			
40	CPSS	1	1	18.31	18.42	18.35	20.0	0.0	
40	CPSS	1	1	18.31	18.42	18.35			
Channel									
Frequency (MHz)				2592.51	2595	2598.99			
30	CPSS	1	1	18.36	18.30	18.41	20.0	0.0	
30	CPSS	1	1	18.36	18.30	18.41			
Channel									
Frequency (MHz)				2595	2595	2595			
20	CPSS	1	1	18.43	18.36	18.34	20.0	0.0	
20	CPSS	1	1	18.43	18.36	18.34			

n38_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power High Ch. F (Hz)	Power High Ch. F (Hz)	Time up (ms)	MFR (dB)				
Channel				5180.4	5180.5	5180.6						
Frequency (MHz)												
40	PSS	1	1	20.18	20.18	20.17	21.5	0.0				
40	PSS	1	53	20.21	20.26	20.25						
40	PSS	1	104	20.22	20.26	20.15	21.5	0.0				
40	PSS	1	154	20.13	20.20	20.27						
40	PSS	100	0	20.22	20.26	20.15	21.5	0.0				
40	PSS	100	26	20.22	20.26	20.15						
40	PSS	100	52	20.16	20.15	20.28	21.5	0.0				
40	PSS	100	78	20.20	20.20	20.25						
40	CPSS	1	1	20.19	20.22	20.21	21.5	0.0				
40	CPSS	1	53	20.10	20.19	20.28						
40	CPSS	1	104	20.12	20.20	20.17	21.5	0.0				
40	CPSS	100	0	20.15	20.22	20.18						
40	CPSS	100	26	20.21	20.20	20.27	21.5	0.0				
40	CPSS	100	52	20.21	20.24	20.15						
40	CPSS	100	78	20.21	20.23	20.17	21.5	0.0				
40	CPSS	100	0	20.21	20.23	20.17						
40	CPSS	1	1	20.17	20.16	20.16	20.0	0.0				
40	CPSS	1	1	20.11	20.25	20.15						
40	CPSS	1	1	20.15	20.14	20.15	20.0	1.5				
Channel												
Frequency (MHz)				2595.01	2595	2598.99						
30	CPSS	1	1	20.20	20.20	20.14	20.0			0.0		
30	CPSS	1	1	20.20	20.20	20.14						
Channel												
Frequency (MHz)				2595	2595	2595						
20	CPSS	1	1	20.18	20.20	20.12	20.0	0.0				
20	CPSS	1	1	20.18	20.20	20.12						

n38_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power High Ch. F (Hz)	Power High Ch. F (Hz)	Time up (ms)		
Channel				5180.4	5180.5	5180.6			
Frequency (MHz)				2592.22	2595	2598.98			
40	PSS	1	1	18.38	18.38	18.35	21.0	0.0	
40	PSS	1	53	18.41	18.45	18.27			
40	PSS	1	104	18.35	18.42	18.25	21.0	0.0	
40	PSS	100	0	18.40	18.45	18.26			
40	PSS	100	26	18.39	18.38	18.31	21.0	0.0	
40	PSS	100	52	18.31	18.44	18.38			
40	PSS	100	78	18.37	18.35	18.35	21.0	0.0	
40	CPSS	1	1	18.43	18.42	18.41			
40	CPSS	1	53	18.28	18.46	18.32	21.0	0.0	
40	CPSS	1	104	18.28	18.30	18.32			
40	CPSS	100	0	18.39	18.32	18.27	21.0	0.0	
40	CPSS	100	26	18.41	18.41	18.39			
40	CPSS	100	52	18.35	18.40	18.32	21.0	0.0	
40	CPSS	100	78	18.31	18.41	18.32			
40	CPSS	100	0	18.31	18.41	18.32	21.0	0.0	
40	CPSS	1	1	18.28	18.32	18.26			
40	CPSS	1	1	18.28	18.30	18.27	20.0	1.5	
40	CPSS	1	1	18.28	18.30	18.27			
Channel									
Frequency (MHz)				2592.51	2595	2598.99			
30	CPSS	1	1	18.39	18.34	18.35	20.0	0.0	
30	CPSS	1	1	18.39	18.34	18.35			
Channel									
Frequency (MHz)				2595	2595	2595			
20	CPSS	1	1	18.32	18.41	18.28	20.0	0.0	
20	CPSS	1	1	18.32	18.41	18.28			

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Time-up Int. (s)	MFR (dB)	
Channel									
Frequency (MHz)				3500.0	3500.0				
100	PSS-SSB	1	1	15.80					
100	PSS-SSB	1	137	15.84			16.5	0.0	
100	PSS-SSB	1	271	15.80					
100	PSS-SSB	96	0	15.82			16.5	0.0	
100	PSS-SSB	196	96	15.86			16.5	0.0	
100	PSS-SSB	126	138	15.78			16.5	0.0	
100	PSS-SSB	200	0	15.80			16.5	0.0	
100	QPSK	1	1	15.82					
100	QPSK	1	137	15.82			16.5	0.0	
100	QPSK	1	271	15.82					
100	QPSK	126	0	15.86			16.5	0.0	
100	QPSK	126	48	15.87			16.5	0.0	
100	QPSK	126	138	15.84			16.5	0.0	
100	QPSK	270	0	15.80			16.5	0.0	
100	QPSK	1	1	15.86			16.5	0.0	
100	256QAM	1	1	15.81			16.5	0.0	
100	256QAM	1	1	15.79			16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.96		15.92	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPSK	1	1	15.91		15.94	16.5	0.0	
Channel									
Frequency (MHz)				3600.0	3600.0				
80	QPS								

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Cn / T (ms)	Frame Rate Cn / Freq	Frame Rate Co / Freq	Frame Time Cn / T (ms)	Time up (ms)	MFR (dB)
Channel									
Frequency (MHz)				5000.00					
100	PSS-SSB	1	1	10.00					
100	PSS-SSB	1	1	10.00					
100	PSS-SSB	1	217	10.00			10.5	0.0	
100	PSS-SSB	36	0	10.00			10.5	0.0	
100	PSS-SSB	100	36	10.00			10.5	0.0	
100	PSS-SSB	120	138	10.00			10.5	0.0	
100	PSS-SSB	200	0	10.00			10.5	0.0	
100	QPSK	1	1	10.00					
100	QPSK	1	137	10.00			10.5	0.0	
100	QPSK	1	217	10.00					
100	QPSK	130	0	10.00			10.5	0.0	
100	QPSK	150	40	10.00			10.5	0.0	
100	QPSK	160	138	10.00			10.5	0.0	
100	QPSK	270	0	10.00			10.5	0.0	
100	256QAM	1	1	10.00			10.5	0.0	
100	256QAM	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	QPSK	1	1	10.00			10.5	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000.00			0dB
80	Q								

Full & Default Power Mode_ENDC

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	23.09	23.12	23.11	24.5	0.0
20	PI2 BPSK	1	53	22.99	23.08	23.08		
20	PI2 BPSK	1	104	23.00	23.14	23.04		
20	PI2 BPSK	50	0	22.87	22.88	22.87	24.0	0.5
20	PI2 BPSK	50	28	22.94	23.08	23.00	24.5	0.0
20	PI2 BPSK	50	56	22.80	22.86	22.83	24.0	0.5
20	PI2 BPSK	100	0	22.59	22.62	22.62	24.5	0.0
20	QPSK	1	1	23.09	23.10	23.10		
20	QPSK	1	53	23.05	23.12	23.08		
20	QPSK	1	104	23.01	23.13	23.11	23.5	1.0
20	QPSK	50	0	21.94	22.06	21.96		
20	QPSK	50	28	22.97	23.08	23.01		
20	QPSK	50	56	22.82	22.11	22.01	23.5	1.0
20	QPSK	100	0	21.96	22.05	21.93	23.5	1.0
20	16QAM	1	1	21.87	21.70	21.63	23.5	1.0
20	64QAM	1	1	20.24	20.33	20.30	22.0	2.5
20	256QAM	1	1	18.82	18.88	18.87	20.0	4.5
Channel				371000	376000	380000	24.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	23.06	23.02	24.5	0.0
Channel				371000	376000	381000	24.5	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.03	23.02	22.94	24.5	0.0
Channel				370500	375000	381500	24.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.97	23.12	23.03	24.5	0.0

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0
20	PI2 BPSK	1	53	22.68	22.64	22.53		
20	PI2 BPSK	1	104	22.71	22.75	22.87		
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5
20	PI2 BPSK	50	28	22.58	22.66	22.85	24.5	0.0
20	PI2 BPSK	50	56	22.05	22.25	22.17	24.0	0.5
20	PI2 BPSK	100	0	22.24	22.19	22.15	24.5	0.0
20	QPSK	1	1	22.67	22.90	22.75		
20	QPSK	1	53	22.87	22.75	22.85		
20	QPSK	1	104	22.74	22.82	22.71	23.5	1.0
20	QPSK	50	0	21.56	21.63	21.56		
20	QPSK	50	28	22.93	22.62	22.57		
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.75	21.59	23.5	1.0
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02	22.0	2.5
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371000	376000	380000	24.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.86	22.88	22.64	24.5	0.0
Channel				371000	376000	381000	24.5	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0
Channel				370500	375000	381500	24.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.99	23.07	23.03	24.5	0.0
20	PI2 BPSK	1	53	23.02	23.05	22.99		
20	PI2 BPSK	1	104	22.96	23.02	22.96		
20	PI2 BPSK	50	0	22.44	22.57	22.42	24.0	0.5
20	PI2 BPSK	50	28	22.98	23.05	22.91	24.5	0.0
20	PI2 BPSK	50	56	22.41	22.52	22.51	24.0	0.5
20	PI2 BPSK	100	0	22.47	22.60	22.54	24.5	0.0
20	QPSK	1	1	23.06	23.14	23.10		
20	QPSK	1	53	23.00	23.12	23.02		
20	QPSK	1	104	23.06	23.13	23.08	23.5	1.0
20	QPSK	50	0	22.02	22.06	21.92		
20	QPSK	50	28	22.96	23.05	22.88		
20	QPSK	50	56	21.96	22.00	22.02	23.5	1.0
20	QPSK	100	0	21.81	21.95	21.93	23.5	1.0
20	16QAM	1	1	21.72	21.76	21.69	23.5	1.0
20	64QAM	1	1	20.09	20.19	20.10	22.0	2.5
20	256QAM	1	1	18.56	18.70	18.63	20.0	4.5
Channel				371000	376000	380000	24.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.96	23.01	23.07	24.5	0.0
Channel				371000	376000	381000	24.5	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0
Channel				370500	375000	381500	24.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47		
20	PI2 BPSK	1	53	23.49	23.66	23.66	24.5	0.5
20	PI2 BPSK	1	104	23.43	23.56	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14		
20	PI2 BPSK	50	28	23.34	23.52	23.39	24.5	0.5
20	PI2 BPSK	50	56	22.96	23.08	22.96		
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0
20	QPSK	1	53	23.38	23.55	23.55		
20	QPSK	1	104	23.45	23.59	23.58		
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0
20	QPSK	50	28	23.45	23.62	23.45		
20	QPSK	50	56	22.36	22.49	22.28		
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0
20	16QAM	1	1	22.38	22.53	22.45		
20	16QAM	1	1	21.00	21.00	20.94		
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.0	0.0
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.0	0.0
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0

n5_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.42	23.48	23.39		
20	PI2 BPSK	1	53	23.42	23.53	23.51	25.0	0.5
20	PI2 BPSK	1	104	23.38	23.50	23.46		
20	PI2 BPSK	50	0	22.95	23.05	23.04		
20	PI2 BPSK	50	28	23.31	23.46	23.32	24.5	0.5
20	PI2 BPSK	50	56	22.91	23.00	22.85		
20	PI2 BPSK	100	0	22.87	23.02	22.91		
20	QPSK	1	1	23.51	23.56	23.55	25.0	0.0
20	QPSK	1	53	23.35	23.50	23.46		
20	QPSK	1	104	23.44	23.53	23.50		
20	QPSK	50	0	22.48	22.57	22.52	24.0	1.0
20	QPSK	50	28	23.35	23.52	23.42		
20	QPSK	50	56	22.24	22.36	22.24		
20	QPSK	100	0	22.26	22.45	22.35	24.0	1.0
20	16QAM	1	1	22.31	22.38	22.37		
20	16QAM	1	1	20.89	20.96	20.89		
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.0	0.0
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.0	0.0
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.96	23.10	23.05	24.5	0.0
20	PI2 BPSK	1	53	22.91	23.05	23.01		
20	PI2 BPSK	1	104	22.86	23.06	22.94		
20	PI2 BPSK	50	0	22.55	22.62	22.50	24.0	0.5
20	PI2 BPSK	50	28	23.10	23.11	23.00	24.5	0.0
20	PI2 BPSK	50	56	22.63	22.60	22.50	24.0	0.5
20	PI2 BPSK	100	0	22.57	22.58	22.48	24.5	0.0
20	QPSK	1	1	23.06	23.12	23.04		
20	QPSK	1	53	23.04	23.05	22.94		
20	QPSK	1	104	22.95	23.09	22.96	23.5	1.0
20	QPSK	50	0	21.87	21.97	21.82	23.5	1.0
20	QPSK	50	28	23.02	23.08	23.07	24.5	0.0
20	QPSK	50	56	21.85	21.89	21.95	23.5	1.0
20	QPSK	100	0	21.86	22.00	21.94	23.5	1.0
20	16QAM	1	1	21.55	21.70	21.58	23.5	1.0
20	64QAM	1	1	20.19	20.20	20.10	22.0	2.5
20	256QAM	1	1	18.63	18.66	18.59	20.0	4.5
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.96	23.09	22.94	24.5	0.0
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.95	22.97	23.00	24.5	0.0
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.01	23.04	22.95	24.5	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0
20	PI2 BPSK	1	53	23.01	23.06	23.09		
20	PI2 BPSK	1	104	23.04	23.17	23.00		
20	PI2 BPSK	50	0	22.55	22.61	22.46	24.0	0.5
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.60	22.56	22.49	24.5	0.0
20	QPSK	1	1	23.11	23.20	23.16		
20	QPSK	1	53	23.05	23.13	23.05		
20	QPSK	1	104	22.95	23.19	23.11	23.5	1.0
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	23.08	23.05	23.03	24.5	0.0
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97	23.5	1.0
20	64QAM	1	1	20.47	20.55	20.47	22.0	2.5
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.00	23.02	22.93	24.5	0.0
20	PI2 BPSK	1	53	22.92	22.97	22.96		
20	PI2 BPSK	1	104	22.86	22.86	22.92		
20	PI2 BPSK	50	0	22.51	22.55	22.52	24.0	0.5
20	PI2 BPSK	50	28	22.86	23.00	22.99	24.5	0.0
20	PI2 BPSK	50	56	22.52	22.60	22.48	24.0	0.5
20	PI2 BPSK	100	0	22.46	22.52	22.43	24.5	0.0
20	QPSK	1	1	23.06	23.06	23.02		
20	QPSK	1	53	22.85	23.02	22.85		
20	QPSK	1	104	22.86	23.00	22.93	23.5	1.0
20	QPSK	50	0	22.02	22.10	22.05	23.5	1.0
20	QPSK	50	28	22.50	22.98	23.03	24.5	0.0
20	QPSK	50	56	22.30	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.92	21.95	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77	23.5	1.0
20	64QAM	1	1	20.34	20.35	20.29	22.0	2.5
20	256QAM	1	1	18.83	18.88	18.77	20.0	4.5
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.94	22.92	23.00	24.5	0.0
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	22.97	22.98	24.5	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	345000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.15	23.26	23.16	24.5	0.0	
30	PI2 BPSK	1	80	23.17	23.20	23.19			
30	PI2 BPSK	1	158	23.11	23.22	23.10			
30	PI2 BPSK	80	0	22.69	22.75	22.67	24.0	0.5	
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0	
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.5	
30	PI2 BPSK	160	0	22.60	22.66	22.54	24.5	0.0	
30	QPSK	1	1	23.20	23.26	23.24			
30	QPSK	1	80	23.19	23.25	23.12			
30	QPSK	1	158	23.17	23.21	23.17	23.5	1.0	
30	QPSK	80	0	22.16	22.22	22.21			
30	QPSK	80	40	23.09	23.23	23.22	24.5	0.0	
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0	
30	QPSK	160	0	22.05	22.20	22.15	23.5	1.0	
30	16QAM	1	1	21.80	21.93	21.86	23.5	1.0	
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5	
30	256QAM	1	1	19.02	19.05	18.96	20.0	4.5	
Channel				345000	345000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0	
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0	
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0	
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0	
30	PI2 BPSK	1	80	23.04	23.16	23.16			
30	PI2 BPSK	1	158	23.02	23.19	23.04			
30	PI2 BPSK	80	0	22.65	22.61	22.59	24.0	0.5	
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0	
30	PI2 BPSK	80	80	22.58	22.61	22.67	24.0	0.5	
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0	
30	QPSK	1	1	23.17	23.27	23.12			
30	QPSK	1	80	23.15	23.21	23.08			
30	QPSK	1	158	23.08	23.18	23.08	23.5	1.0	
30	QPSK	80	0	22.15	22.17	22.20			
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0	
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0	
30	QPSK	160	0	21.98	22.10	22.11	23.5	1.0	
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0	
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5	
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5	
Channel				345000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0	
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0	
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0	
Channel				342000	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	345000	353000	24.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.81	22.90	22.76	24.5	0.0	
30	PI2 BPSK	1	80	22.86	22.87	22.83			
30	PI2 BPSK	1	158	22.70	22.86	22.86			
30	PI2 BPSK	80	0	22.38	22.45	22.35	24.0	0.5	
30	PI2 BPSK	80	40	22.85	22.89	22.80	24.5	0.0	
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5	
30	PI2 BPSK	160	0	22.23	22.38	22.24	24.5	0.0	
30	QPSK	1	1	22.89	22.93	22.83			
30	QPSK	1	80	22.85	22.90	22.76			
30	QPSK	1	158	22.83	22.88	22.77	23.5	1.0	
30	QPSK	80	0	21.84	21.96	21.91			
30	QPSK	80	40	22.75	22.90	22.79	24.5	0.0	
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0	
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0	
30	16QAM	1	1	21.82	21.70	21.56	23.5	1.0	
30	64QAM	1	1	20.17	20.31	20.26	22.0	2.5	
30	256QAM	1	1	18.81	18.83	18.79	20.0	4.5	
Channel				345000	349000	354000	24.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.72	22.82	22.68	24.5	0.0	
Channel				343500	349000	354500	24.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.78	22.82	22.74	24.5	0.0	
Channel				343000	349000	355000	24.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0	
Channel				342500	349000	355500	24.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10	24.0	0.5	
15	PI2 BPSK	36	0	22.07	22.71	22.09			
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62			
15	PI2 BPSK	75	0	22.72	22.73	22.77	24.0	0.5	
15	QPSK	1	1	23.26	23.26	23.21			
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0	
15	QPSK	1	77	23.07	23.13	23.10			
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0	
15	QPSK	36	22	23.15	23.25	23.18			
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06			
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.51	20.55	20.37			
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133.900	136.100	138.000			
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)		
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0	
Channel				133.100	136.100	138.100			
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	
Channel				133.100	136.100	138.100			
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)		

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI/2 BPSK	1	40	23.18	23.21	23.13			
15	PI/2 BPSK	1	77	23.26	23.26	23.18	24.0	0.5	
15	PI/2 BPSK	36	0	22.77	22.83	22.69			
15	PI/2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	PI/2 BPSK	36	43	22.74	22.76	22.67			
15	PI/2 BPSK	75	0	22.73	22.85	22.82	24.0	0.5	
15	QPSK	1	1	23.24	23.25	23.18			
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0	
15	QPSK	1	77	23.16	23.28	23.16			
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0	
15	QPSK	36	22	23.27	23.28	23.23			
15	QPSK	36	43	22.19	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.15	22.15			
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0	
15	64QAM	1	1	20.60	20.63	20.48			
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133.900	136.100	138.000			
Frequency (MHz)				669	680.5	693	Tune-up limit (dBm)		
10	QPSK	1	1	23.31	23.28	23.27	24.5	0.0	
Channel				133.100	136.100	138.100			
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)		
5	QPSK	1	1	23.30	23.20	23.19	24.5	0.0	
Channel				133.100	136.100	138.100			
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)		

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 (F1-M)	Frame Type Ch. 2 (F2-M)	Frame Type Ch. 3 (F3-M)	Turn-up time (min)	sgntr (dB)	
Channel									
				2540.01	2540.00	2540.00			
100	Full BPSK	1	1	24.18	24.18	24.18			
100	Full BPSK	1	137	24.13	24.08	24.10	20.0	0.0	
100	Full BPSK	1	271	24.36	24.32	24.35			
100	Full BPSK	100	0	23.00	23.00	23.01	20.0	0.0	
100	Full BPSK	100	64	24.11	24.13	24.20	20.0	0.0	
100	Full BPSK	100	128	23.87	23.73	23.72	20.0	0.0	
100	Full BPSK	200	0	23.00	23.00	23.00	20.0	0.0	
100	QPSK	1	1	24.09	24.12	24.10			
100	QPSK	1	137	24.18	24.07	24.10	20.0	0.0	
100	QPSK	1	271	24.20	24.11	24.05			
100	QPSK	100	0	23.17	23.16	23.17	20.0	1.0	
100	QPSK	100	64	24.01	23.95	24.00	20.0	0.0	
100	QPSK	100	128	23.71	23.26	23.11	10.0	1.0	
100	QPSK	200	0	23.15	23.12	23.08	20.0	1.0	
100	16QAM	1	1	23.10	23.07	23.06	20.0	1.0	
100	16QAM	1	1	23.02	23.04	23.03	20.0	1.0	
100	256QAM	1	1	23.05	23.10	23.04	20.0	4.5	
Channel									
				2541	2540.00	2540.00			
50	QPSK	1	1	24.20	24.08	24.10	20.0	0.0	
Channel									
				2540.02	2540.00	2540.00			
50	QPSK	1	1	24.39	24.04	24.14	20.0	0.0	
Channel									
				2540.01	2540.00	2540.00			
70	QPSK	1	1	24.27	24.07	24.10	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.07	24.10	24.10	20.0	0.0	
Channel									
				502.04	500.00	500.00	Turn-up time (min)	sgntr (dB)	
Channel									
				502.01	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.20	24.08	24.10	20.0	0.0	
Channel									
				502.02	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.39	24.03	24.10	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.32	24.09	24.12	20.0	0.0	
Channel									
				502.04	500.00	500.00	Turn-up time (min)	sgntr (dB)	
Channel									
				2540.00	2540.00	2540.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.23	24.04	24.08	20.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 (F1-M)	Frame Type Ch. 2 (F2-M)	Frame Type Ch. 3 (F3-M)	Turn-up time (min)	sgntr (dB)	
Channel									
				2540.01	2540.00	2540.00			
100	Full BPSK	1	1	24.18	24.07	24.09			
100	Full BPSK	1	137	24.03	24.71	24.14	20.0	0.0	
100	Full BPSK	1	271	24.75	24.40	24.60			
100	Full BPSK	100	0	24.00	24.10	24.10	20.0	0.0	
100	Full BPSK	100	64	24.05	24.06	24.70	20.0	0.0	
100	Full BPSK	100	128	24.04	24.13	24.11	20.0	0.0	
100	Full BPSK	200	0	24.00	24.10	24.00	20.0	0.0	
100	QPSK	1	1	24.09	24.12	24.10			
100	QPSK	1	137	24.05	24.68	24.00	20.0	0.0	
100	QPSK	1	271	24.70	24.05	24.60			
100	QPSK	100	0	23.00	23.02	23.00	20.0	1.0	
100	QPSK	100	64	24.01	23.95	24.00	20.0	0.0	
100	QPSK	100	128	23.71	23.05	23.00	10.0	1.0	
100	QPSK	200	0	23.09	23.00	23.00	20.0	1.0	
100	16QAM	1	1	23.10	23.02	23.00	20.0	1.0	
100	16QAM	1	1	23.04	23.02	23.10	20.0	1.0	
100	256QAM	1	1	23.03	23.05	23.10	20.0	4.5	
Channel									
				2541	2540.00	2540.00			
50	QPSK	1	1	24.02	24.08	24.70	20.0	0.0	
Channel									
				2540.02	2540.00	2540.00			
50	QPSK	1	1	24.75	24.04	24.60	20.0	0.0	
Channel									
				2540.01	2540.00	2540.00			
70	QPSK	1	1	24.07	24.07	24.10	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.00	24.10	24.00	20.0	0.0	
Channel									
				502.04	500.00	500.00	Turn-up time (min)	sgntr (dB)	
Channel									
				502.01	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.03	24.00	24.01	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.02	24.03	24.07	20.0	0.0	
Channel									
				502.04	500.00	500.00	Turn-up time (min)	sgntr (dB)	
Channel									
				2540.00	2540.00	2540.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.71	24.00	24.07	20.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 (F1-M)	Frame Type Ch. 2 (F2-M)	Frame Type Ch. 3 (F3-M)	Turn-up time (min)	sgntr (dB)	
Channel									
				2540.01	2540.00	2540.00			
100	Full BPSK	1	1	24.18	24.23	24.16			
100	Full BPSK	1	137	24.10	24.08	24.07	20.0	0.0	
100	Full BPSK	1	271	24.10	24.00	24.00			
100	Full BPSK	100	0	23.70	23.87	23.80	20.0	0.0	
100	Full BPSK	100	64	24.18	24.04	24.08	20.0	0.0	
100	Full BPSK	100	128	23.86	23.58	23.50	20.0	0.0	
100	Full BPSK	200	0	23.04	23.00	23.00	20.0	0.0	
100	QPSK	1	1	24.09	24.12	24.10			
100	QPSK	1	137	24.11	24.11	24.07	20.0	0.0	
100	QPSK	1	271	24.14	24.06	24.06			
100	QPSK	100	0	23.02	23.10	23.08	20.0	1.0	
100	QPSK	100	64	24.01	23.95	24.00	20.0	0.0	
100	QPSK	100	128	23.71	23.06	23.00	10.0	1.0	
100	QPSK	200	0	23.10	23.10	23.08	20.0	1.0	
100	16QAM	1	1	23.10	23.07	23.06	20.0	1.0	
100	256QAM	1	1	23.06	23.17	23.10	20.0	4.5	
Channel									
				2541	2540.00	2540.00			
50	QPSK	1	1	24.30	24.18	24.10	20.0	0.0	
Channel									
				2540.02	2540.00	2540.00			
50	QPSK	1	1	24.27	24.16	24.10	20.0	0.0	
Channel									
				2540.01	2540.00	2540.00			
70	QPSK	1	1	24.20	24.20	24.07	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.00	24.10	24.00	20.0	0.0	
Channel									
				502.04	500.00	500.00	Turn-up time (min)	sgntr (dB)	
Channel									
				502.02	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.20	24.22	24.07	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
50	QPSK	1	1	24.30	24.21	24.08	20.0	0.0	
Channel									
				502.01	500.00	500.00	Turn-up time (min)	sgntr (dB)	
40	QPSK	1	1	24.30	24.17	24.10	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	
30	QPSK	1	1	24.30	24.17	24.14	20.0	0.0	
Channel									
				502.00	500.00	500.00	Turn-up time (min)	sgntr (dB)	



Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 (Fem)	Power Max. Ch. 1 (Fem)	Power Avg. Ch. 1 (Fem)	Turn-up (m)	MFR (dB)	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
100	PSSBPSK	1	1	22.31				23.0	0.0
100	PSSBPSK	1	137	22.27					
100	PSSBPSK	1	271	22.27					
100	PSSBPSK	136	1	21.92			22.5	23.0	0.0
100	PSSBPSK	136	94	22.18					
100	PSSBPSK	136	138	21.89					
100	PSSBPSK	200	0	21.74			22.5	23.0	0.0
100	QPSK	1	1	22.42					
100	QPSK	1	137	22.33			23.0		
100	QPSK	1	271	22.29				23.0	0.0
100	QPSK	136	0	21.14			22.0		
100	QPSK	136	94	22.07					
100	QPSK	136	138	21.29			22.0	23.0	0.0
100	QPSK	270	0	21.04			22.0		
100	SSBAM	1	1	21.81			22.0		
100	SSBAM	1	1	19.47			20.5	23.0	2.0
100	SSBAM	1	1	18.11			19.5		
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00		MFR	
80	QPSK	1	1	22.31	22.34	22.34	22.0	22.0	0.0
Channel									
Frequency (MHz)				3400	3400.00	3400.00		MFR	
80	QPSK	1	1	22.31	22.34	22.34	22.0	22.0	0.0
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00		MFR	
40	QPSK	1	1	21.41	21.76	21.76	21.0	21.0	0.0
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00		MFR	
20	QPSK	1	1	22.32	22.36	22.36	22.0	22.0	0.0

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 (Fem)	Power Max. Ch. 1 (Fem)	Power Avg. Ch. 1 (Fem)	Turn-up (m)	MFR (dB)	
Channel									
Frequency (MHz)				3400	3400	3400			
100	PSSBPSK	1	1	21.72	22.04	21.87			
100	PSSBPSK	1	137	21.78	22.13	22.10	23.0	0.0	
100	PSSBPSK	1	271	21.72	21.80	21.82			
100	PSSBPSK	136	1	21.18	21.81	21.47	22.5	0.5	
100	PSSBPSK	136	94	21.03	21.85	21.90	23.0	0.0	
100	PSSBPSK	136	138	21.05	21.43	21.38	22.5	0.5	
100	PSSBPSK	200	0	21.08	21.03	21.40			
100	QPSK	1	1	21.09	22.10	21.09			
100	QPSK	1	137	21.71	21.88	21.84	23.0	0.0	
100	QPSK	1	271	21.69	21.86	21.84			
100	QPSK	136	0	20.81	20.83	20.80	22.0	1.0	
100	QPSK	136	94	21.00	20.90	20.97	22.0	0.0	
100	QPSK	136	138	20.47	20.88	20.71	22.0	1.0	
100	QPSK	270	0	20.29	20.80	20.70	22.0	1.0	
100	SSBAM	1	1	20.47	20.81	20.81	22.0	1.0	
100	SSBAM	1	1	18.84	19.20	19.10	20.5	2.0	
100	SSBAM	1	1	17.40	17.81	17.68	19.5	4.5	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
80	QPSK	1	1	21.77	22.11	21.80	22.0	0.0	
Channel									
Frequency (MHz)				3700.00	3690	3690.00			
80	QPSK	1	1	21.75	22.14	21.80	22.0	0.0	
Channel									
Frequency (MHz)				3700	3690	3690.00			
40	QPSK	1	1	21.00	21.16	21.08	21.0	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	21.75	22.10	21.91	22.0	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	21.75	22.10	21.91	22.0	14.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	21.75	22.10	21.91	22.0	14.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 (Fem)	Power Max. Ch. 1 (Fem)	Power Avg. Ch. 1 (Fem)	Turn-up (m)	MFR (dB)	
Channel									
Frequency (MHz)				3400.00					
100	PSSBPSK	1	1	22.27					
100	PSSBPSK	1	137	21.87			23.0	0.0	
100	PSSBPSK	1	271	22.00					
100	PSSBPSK	136	1	21.90			22.5	0.5	
100	PSSBPSK	136	94	21.86			23.0	0.0	
100	PSSBPSK	136	138	21.48			22.5	0.5	
100	PSSBPSK	200	0	21.39			22.5	0.5	
100	QPSK	1	1	22.14					
100	QPSK	1	137	22.00			23.0	0.0	
100	QPSK	1	271	21.87					
100	QPSK	136	0	21.00			22.0	1.0	
100	QPSK	136	94	21.00			22.0	0.0	
100	QPSK	136	138	20.90			22.0	1.0	
100	QPSK	270	0	20.94			22.0	1.0	
100	SSBAM	1	1	21.01			22.0	1.0	
100	SSBAM	1	1	18.46			20.5	2.0	
100	SSBAM	1	1	16.91			19.5	4.5	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
80	QPSK	1	1	22.07	22.08	22.08	22.0	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
80	QPSK	1	1	22.07	22.08	22.08	22.0	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
40	QPSK	1	1	21.07	21.16	21.08	21.0	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	22.00	22.10	22.00	22.0	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 (Fem)	Power Max. Ch. 1 (Fem)	Power Avg. Ch. 1 (Fem)	Turn-up (m)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	22.27	22.29	22.17			
100	PSSBPSK	1	137	22.15	22.27	22.10	23.0	0.0	
100	PSSBPSK	1	271	22.24	22.28	22.11			
100	PSSBPSK	136	1	21.75	21.80	21.70	22.5	0.5	
100	PSSBPSK	136	94	22.01	22.28	22.10	23.0	0.0	
100	PSSBPSK	136	138	21.90	21.73	21.83	22.5	0.5	
100	PSSBPSK	200	0	21.71	21.70	21.80			
100	QPSK	1	1	22.19	22.30	22.17			
100	QPSK	1	137	22.15	22.25	22.10	23.0	0.0	
100	QPSK	1	271	22.10	22.20	22.10			
100	QPSK	136	0	21.19	21.23	21.10	22.0	1.0	
100	QPSK	136	138	21.05	21.18	21.04	22.0	1.0	
100	QPSK	270	0	21.19	21.14	21.11	22.0	1.0	
100	SSBAM	1	1	21.00	21.18	21.04	22.0	1.0	
100	SSBAM	1	1	19.63	19.70	19.60	20.5	2.0	
100	SSBAM	1	1	18.22	18.30	18.20	19.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.11	22.23	22.09	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.14	22.06	21.97	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.08	21.16	21.04	21.0	0.0	
Channel									
30	QPSK	1	1	21.08	21.16	21.04	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.11	22.23	22.09	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.14	22.06	21.97	22.0	0.0	
Channel									
Frequency (MHz)									

Par27O_n77_Ant 7									
SP (MHz)	Modulation	Channel	RF Offset	Transmit Power (mW)	Receive Sensitivity (dBm)	Power Spectral Density (dBm/Hz)	Time-on-Air (min)	APR (%)	
Frequency (MHz)									
150	SSB	150.000	0	20.50	25.50	25.50			
150	SSB	150.000	1	21.48	25.52	25.57	24.1	0.0	
150	SSB	150.000	1	25.57	25.50	25.54			
150	SSB	150.000	2	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	3	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	4	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	5	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	6	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	7	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	8	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	9	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	10	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	11	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	12	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	13	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	14	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	15	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	16	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	17	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	18	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	19	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	20	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	21	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	22	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	23	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	24	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	25	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	26	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	27	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	28	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	29	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	30	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	31	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	32	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	33	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	34	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	35	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	36	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	37	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	38	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	39	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	40	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	41	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	42	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	43	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	44	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	45	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	46	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	47	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	48	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	49	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	50	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	51	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	52	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	53	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	54	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	55	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	56	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	57	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	58	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	59	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	60	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	61	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	62	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	63	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	64	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	65	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	66	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	67	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	68	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	69	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	70	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	71	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	72	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	73	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	74	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	75	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	76	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	77	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	78	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	79	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	80	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	81	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	82	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	83	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	84	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	85	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	86	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	87	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	88	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	89	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	90	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	91	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	92	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	93	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	94	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	95	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	96	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	97	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	98	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	99	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	100	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	101	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	102	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	103	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	104	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	105	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	106	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	107	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	108	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	109	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	110	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	111	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	112	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	113	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	114	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	115	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	116	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	117	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	118	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	119	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	120	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	121	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	122	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	123	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	124	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	125	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	126	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	127	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	128	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	129	25.57	25.50	25.54	24.6	0.0	0.0
150	SSB	150.000	130	25.57	25.50	25.54	24.6	0	

Reduced Power Mode for ECI 11

n2_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				372000	376000	380000	18.0	0.0
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	16.42	16.43	16.56		
20	PI2 BPSK	1	53	16.49	16.50	16.51	18.0	0.0
20	PI2 BPSK	1	104	16.46	16.57	16.47		
20	PI2 BPSK	50	0	16.46	16.44	16.43		
20	PI2 BPSK	50	28	16.46	16.51	16.43	18.0	0.0
20	PI2 BPSK	50	56	16.36	16.46	16.39	18.0	0.0
20	PI2 BPSK	100	0	16.42	16.59	16.43		
20	QPSK	1	1	16.51	16.61	16.52		
20	QPSK	1	53	16.35	16.60	16.44	18.0	0.0
20	QPSK	1	104	16.53	16.51	16.50	18.0	0.0
20	QPSK	50	0	16.36	16.46	16.38		
20	QPSK	50	28	16.52	16.54	16.50		
20	QPSK	50	56	16.48	16.42	16.47	18.0	0.0
20	QPSK	100	0	16.41	16.52	16.49	18.0	0.0
20	16QAM	1	1	16.45	16.53	16.47		
20	64QAM	1	1	16.40	16.52	16.49		
20	256QAM	1	1	16.36	16.37	16.45	18.0	0.0
Channel				371000	376000	380000	18.0	0.0
Frequency (MHz)				1851.5	1860	1902.5		
15	QPSK	1	1	16.56	16.49	16.44		
Channel				371000	376000	381000	18.0	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.51	16.47	16.45		
Channel				370000	376000	381000	18.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.52	16.51	16.46		

n2_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				372000	376000	380000	24.0	0.0
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	22.26	22.37	22.24		
20	PI2 BPSK	1	53	22.29	22.33	22.18	24.0	0.0
20	PI2 BPSK	1	104	22.21	22.28	22.27		
20	PI2 BPSK	50	0	22.21	22.21	22.05		
20	PI2 BPSK	50	28	22.32	22.29	22.15	24.0	0.0
20	PI2 BPSK	50	56	22.05	22.25	22.17	24.0	0.0
20	PI2 BPSK	100	0	22.24	22.19	22.15		
20	QPSK	1	1	22.35	22.43	22.35		
20	QPSK	1	53	22.29	22.31	22.19	24.0	0.0
20	QPSK	1	104	22.32	22.29	22.29	23.5	0.5
20	QPSK	50	0	21.66	21.63	21.56		
20	QPSK	50	28	22.25	22.32	22.27		
20	QPSK	50	56	21.70	21.68	21.76	23.5	0.5
20	QPSK	100	0	21.63	21.75	21.59	23.5	0.5
20	16QAM	1	1	21.55	21.58	21.53		
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.0
Channel				371000	376000	380000	24.0	0.0
Frequency (MHz)				1852.5	1880	1902.5		
15	QPSK	1	1	22.29	22.34	22.28		
Channel				371000	376000	381000	24.0	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.24	22.32	22.25		
Channel				370000	376000	381000	24.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.21	22.39	22.21		

n2_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				372000	376000	380000	13.0	0.0
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	11.23	11.42	11.31		
20	PI2 BPSK	1	53	11.35	11.39	11.42	13.0	0.0
20	PI2 BPSK	1	104	11.35	11.38	11.48		
20	PI2 BPSK	50	0	11.33	11.47	11.38		
20	PI2 BPSK	50	28	11.23	11.48	11.36	13.0	0.0
20	PI2 BPSK	50	56	11.38	11.33	11.45	13.0	0.0
20	PI2 BPSK	100	0	11.29	11.41	11.43		
20	QPSK	1	1	11.45	11.58	11.55		
20	QPSK	1	53	11.34	11.29	11.45	13.0	0.0
20	QPSK	1	104	11.35	11.56	11.44	13.0	0.0
20	QPSK	50	0	11.34	11.39	11.39		
20	QPSK	50	28	11.37	11.53	11.45		
20	QPSK	50	56	11.21	11.53	11.40	13.0	0.0
20	QPSK	100	0	11.40	11.46	11.37	13.0	0.0
20	16QAM	1	1	11.30	11.49	11.34		
20	64QAM	1	1	11.36	11.47	11.34		
20	256QAM	1	1	11.33	11.38	11.44	13.0	0.0
Channel				371000	376000	380000	13.0	0.0
Frequency (MHz)				1851.5	1860	1902.5		
15	QPSK	1	1	11.38	11.41	11.40		
Channel				371000	376000	381000	13.0	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	11.32	11.37	11.53		
Channel				370000	376000	381000	13.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	11.41	11.37	11.45		

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.44	23.52	23.47			
20	PI/2 BPSK	1	53	23.49	23.66	23.66	25.0	0.0	
20	PI/2 BPSK	1	104	23.43	23.55	23.52			
20	PI/2 BPSK	50	0	23.03	23.19	23.14			
20	PI/2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI/2 BPSK	50	56	22.99	23.08	22.99			
20	PI/2 BPSK	100	0	22.91	23.03	22.94		0.5	
20	QPSK	1	1	23.61	23.70	23.61	25.0	0.0	
20	QPSK	1	53	23.38	23.56	23.55			
20	QPSK	1	104	23.45	23.59	23.58			
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0	
20	QPSK	50	28	23.46	23.62	23.48			
20	QPSK	50	56	22.30	22.49	22.28		24.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	64QAM	1	1	21.00	21.00	20.94	22.5	2.5	
20	256QAM	1	1	19.42	19.53	19.31			
Channel				167300	167800	168300	25.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.66	23.46		25.0	
Channel				166800	167300	166800	25.0	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.58	23.50	23.57		25.0	
Channel				167300	167300	167300	25.0	0.0	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	23.58	23.60	23.51		25.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	20.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	18.38	18.47	18.39			
20	PI/2 BPSK	1	53	18.48	18.51	18.35	20.0	0.0	
20	PI/2 BPSK	1	104	18.44	18.45	18.47			
20	PI/2 BPSK	50	0	18.45	18.39	18.35		20.0	
20	PI/2 BPSK	50	28	18.46	18.54	18.39	20.0	0.0	
20	PI/2 BPSK	50	56	18.42	18.47	18.40			
20	PI/2 BPSK	100	0	18.37	18.49	18.39		20.0	
20	QPSK	1	1	18.52	18.59	18.50	20.0	0.0	
20	QPSK	1	53	18.37	18.36	18.37			
20	QPSK	1	104	18.44	18.46	18.45			
20	QPSK	50	0	18.49	18.48	18.44	20.0	0.0	
20	QPSK	50	28	18.50	18.55	18.47			
20	QPSK	50	56	18.38	18.53	18.42		20.0	
20	QPSK	100	0	18.49	18.53	18.35	20.0	0.0	
20	16QAM	1	1	18.38	18.44	18.45			
20	64QAM	1	1	18.46	18.48	18.47	20.0	0.0	
20	256QAM	1	1	18.51	18.50	18.45			
Channel				167300	167300	167300	20.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	18.43	18.51	18.48		20.0	
Channel				166800	167300	166800	20.0	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	18.48	18.48	18.39		20.0	
Channel				167300	167300	167300	20.0	0.0	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	18.49	18.51	18.39		20.0	

n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.51	11.51	11.48	13.0	0.0	
20	PI/2 BPSK	1	53	11.46	11.57	11.37			
20	PI/2 BPSK	1	104	11.46	11.57	11.37			
20	PI/2 BPSK	50	0	11.46	11.57	11.37	13.0	0.0	
20	PI/2 BPSK	50	28	11.46	11.57	11.37	13.0	0.0	
20	PI/2 BPSK	50	56	11.46	11.57	11.37	13.0	0.0	
20	PI/2 BPSK	100	0	11.46	11.57	11.37			
20	QPSK	1	1	11.55	11.60	11.52			
20	QPSK	1	53	11.46	11.57	11.37	13.0	0.0	
20	QPSK	1	104	11.46	11.57	11.37	13.0	0.0	
20	QPSK	50	0	11.42	11.45	11.23			
20	QPSK	50	28	11.46	11.57	11.40			
20	QPSK	50	56	11.43	11.53	11.41	13.0	0.0	
20	QPSK	100	0	11.36	11.45	11.23	13.0	0.0	
20	16QAM	1	1	11.34	11.54	11.31			
20	64QAM	1	1	11.31	11.49	11.23			
20	256QAM	1	1	11.34	11.42	11.28	13.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	11.33	11.49	11.32		14.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	11.29	11.42	11.24		14.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	11.37	11.42	11.33		13.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	21.56	21.69	21.55	23.0	0.0	
20	PI/2 BPSK	1	53	21.47	21.57	21.60			
20	PI/2 BPSK	1	104	21.49	21.62	21.54			
20	PI/2 BPSK	50	0	21.51	21.63	21.59	23.0	0.0	
20	PI/2 BPSK	50	28	21.54	21.58	21.59	23.0	0.0	
20	PI/2 BPSK	50	56	21.48	21.60	21.51	23.0	0.0	
20	PI/2 BPSK	100	0	21.59	21.70	21.61			
20	QPSK	1	1	21.62	21.72	21.66			
20	QPSK	1	53	21.59	21.57	21.61	23.0	0.0	
20	QPSK	1	104	21.47	21.59	21.51	23.0	0.0	
20	QPSK	50	0	21.53	21.66	21.60			
20	QPSK	50	28	21.60	21.69	21.63			
20	QPSK	50	56	21.56	21.67	21.60	23.0	0.0	
20	QPSK	100	0	21.51	21.67	21.65	23.0	0.0	
20	16QAM	1	1	21.54	21.64	21.65			
20	64QAM	1	1	20.47	20.55	20.47			
20	256QAM	1	1	19.03	19.02	18.99	20.0	3.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.60	21.62	21.61		23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.48	21.60 <td>21.58</td> <th>23.0</th> <td colspan="2">0.0</td>	21.58		23.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.53	21.65	21.54		23.0	0.0

n7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	12.39	12.55	12.40	14.0	0.0	
20	PI/2 BPSK	1	53	12.37	12.52	12.37			
20	PI/2 BPSK	1	104	12.36	12.56	12.35			
20	PI/2 BPSK	50	0	12.41	12.47	12.34	14.0	0.0	
20	PI/2 BPSK	50	28	12.30	12.54	12.35	14.0	0.0	
20	PI/2 BPSK	50	56	12.39	12.50	12.43	14.0	0.0	
20	PI/2 BPSK	100	0	12.36	12.44	12.32			
20	QPSK	1	1	12.52	12.60	12.55			
20	QPSK	1	53	12.33	12.54	12.35	14.0	0.0	
20	QPSK	1	104	12.37	12.57	12.39	14.0	0.0	
20	QPSK	50	0	12.39	12.49	12.30			
20	QPSK	50	28	12.49	12.58	12.52			
20	QPSK	50	56	12.45	12.50	12.43	14.0	0.0	
20	QPSK	100	0	12.45	12.52	12.51	14.0	0.0	
20	16QAM	1	1	12.33	12.49	12.29			
20	64QAM	1	1	12.33	12.49	12.30			
20	256QAM	1	1	12.41	12.44	12.43	14.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	12.44	12.47	12.41		14.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	12.49	12.53	12.40		14.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	12.48	12.59	12.41		14.0	0.0

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	18.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	16.84	16.79	16.72	18.0	0.0	
30	PI/2 BPSK	1	80	16.83	16.69	16.51			
30	PI/2 BPSK	1	158	16.72	16.70	16.60			
30	PI/2 BPSK	80	0	16.70	16.70	16.53	18.0	0.0	
30	PI/2 BPSK	80	40	16.66	16.72	16.48	18.0	0.0	
30	PI/2 BPSK	80	80	16.87	16.72	16.54	18.0	0.0	
30	PI/2 BPSK	160	0	16.83	16.60	16.55			
30	QPSK	1	1	16.74	16.82	16.77	18.0	0.0	
30	QPSK	1	80	16.66	16.68	16.53			
30	QPSK	1	158	16.61	16.69	16.61			
30	QPSK	80	0	16.59	16.59	16.59	18.0	0.0	
30	QPSK	80	40	16.70	16.76	16.72	18.0	0.0	
30	QPSK	80	80	16.85	16.61	16.53	18.0	0.0	
30	QPSK	160	0	16.66	16.70	16.65	18.0	0.0	
30	16QAM	1	1	16.64	16.73	16.47	18.0	0.0	
30	64QAM	1	1	16.68	16.73	16.48	18.0	0.0	
30	256QAM	1	1	16.72	16.69	16.58	18.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	16.69	16.63	16.54	18.0	0.0	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.04	16.61	16.47	18.0	0.0	
Channel				342000	346000	350000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.72	16.67	16.61	18.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.69	16.65	16.48	18.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	18.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0	
30	PI/2 BPSK	1	80	23.04	23.16	23.16			
30	PI/2 BPSK	1	158	23.02	23.19	23.04			
30	PI/2 BPSK	80	0	22.96	22.61	22.59	24.0	0.5	
30	PI/2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0	
30	PI/2 BPSK	80	80	22.98	22.61	22.57	24.0	0.5	
30	PI/2 BPSK	160	0	22.49	22.56	22.52			
30	QPSK	1	1	22.17	23.27	23.15	24.5	0.0	
30	QPSK	1	80	23.15	23.21	23.08			
30	QPSK	1	158	23.08	23.18	23.08			
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0	
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0	
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0	
30	QPSK	160	0	21.98	22.10	22.11			
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0	
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5	
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.82	23.24	23.04	24.5	0.0	
Channel				342000	346000	350000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000	18.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	12.70	12.80	12.87	14.5	0.0	
30	PI/2 BPSK	1	80	12.66	12.85	12.87			
30	PI/2 BPSK	1	158	12.66	12.83	12.82			
30	PI/2 BPSK	80	0	12.66	12.79	12.82	14.5	0.0	
30	PI/2 BPSK	80	40	12.68	12.81	12.82	14.5	0.0	
30	PI/2 BPSK	80	80	12.82	12.90	12.85	14.5	0.0	
30	PI/2 BPSK	160	0	12.64	12.91	12.85			
30	QPSK	1	1	12.66	12.90	12.85	14.5	0.0	
30	QPSK	1	80	12.66	12.82	12.85			
30	QPSK	1	158	12.64	12.86	12.78			
30	QPSK	80	0	12.82	12.82	12.77	14.5	0.0	
30	QPSK	80	40	12.74	12.92	12.90	14.5	0.0	
30	QPSK	80	80	12.82	12.85	12.83	14.5	0.0	
30	QPSK	160	0	12.72	12.88	12.82	14.5	0.0	
30	16QAM	1	1	12.60	12.82	12.81	14.5	0.0	
30	64QAM	1	1	12.68	12.85	12.86	14.5	0.0	
30	256QAM	1	1	12.72	12.82	12.88	14.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	12.62	12.91	12.84	14.5	0.0	
Channel				343000	348000	353000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	12.73	12.83	12.86	14.5	0.0	
Channel				342000	346000	350000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	12.70	12.91	12.87	14.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	12.60	12.77	12.82	14.5	0.0	

n71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22		24.5	0.0
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10	24.0	0.5	
15	PI2 BPSK	36	0	22.67	22.71	22.59			
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.86	22.87	22.82	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.77	24.0	0.0	
15	QPSK	1	1	23.25	23.28	23.27	24.5	0.0	
15	QPSK	1	40	23.17	23.26	23.18			
15	QPSK	1	77	23.07	23.13	23.10			
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0	
15	QPSK	36	22	23.15	23.25	23.18	24.5	0.0	
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.06	22.06	23.5	1.0	
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.51	20.55	20.37	22.0	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				135000	136100	136000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	668.5	669	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.16	23.19	23.25			
Channel				131100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	660.5	695.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.17	23.19	23.23			

n71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	20.71	20.73	20.63	22.0	0.0	
15	PI2 BPSK	1	40	20.66	20.73	20.69			
15	PI2 BPSK	1	77	20.68	20.74	20.63			
15	PI2 BPSK	36	0	20.63	20.74	20.62	22.0	0.0	
15	PI2 BPSK	36	22	20.72	20.74	20.60	22.0	0.0	
15	PI2 BPSK	36	43	20.62	20.76	20.69	22.0	0.0	
15	PI2 BPSK	75	0	20.62	20.70	20.70	22.0	0.0	
15	QPSK	1	1	20.62	20.63	20.60	22.0	0.0	
15	QPSK	1	40	20.62	20.64	20.67			
15	QPSK	1	77	20.60	20.64	20.57			
15	QPSK	36	0	20.67	20.73	20.68	22.0	0.0	
15	QPSK	36	22	20.71	20.84	20.74	22.0	0.0	
15	QPSK	36	43	20.67	20.75	20.64	22.0	0.0	
15	QPSK	75	0	20.78	20.80	20.76	22.0	0.0	
15	16QAM	1	1	20.66	20.74	20.62	22.0	0.0	
15	64QAM	1	1	20.60	20.63	20.48	22.0	0.0	
15	256QAM	1	1	19.25	19.28	19.15	20.0	2.0	
Channel				135000	136100	136000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	668.5	669	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.61	20.67	20.69			
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	660.5	695.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.67	20.72	20.69			

FCC_n41_Ant 1									
SV (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. (Frac.)	Power Meds Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (sec)	MFIS (dB)	MFIS (dB)
Channel									
Frequency (MHz)									
150	PI2 BPSK	1	1	11.25	11.14	11.16	13.0	0.0	
150	PI2 BPSK	1	137	11.25	11.17	11.16	13.0	0.0	
150	PI2 BPSK	1	231	11.25	11.14	11.16	13.0	0.0	
150	PI2 BPSK	130	0	11.15	11.15	11.17	13.0	0.0	
150	PI2 BPSK	130	66	11.15	11.21	11.15	13.0	0.0	
150	PI2 BPSK	130	138	11.22	11.24	11.15	13.0	0.0	
150	PI2 BPSK	210	0	11.15	11.22	11.15	13.0	0.0	
150	QPSK	1	1	11.25	11.14	11.16	13.0	0.0	
150	QPSK	1	137	11.25	11.15	11.16	13.0	0.0	
150	QPSK	130	0	11.25	11.12	11.15	13.0	0.0	
150	QPSK	130	66	11.25	11.22	11.15	13.0	0.0	
150	QPSK	130	138	11.15	11.22	11.23	13.0	0.0	
150	QPSK	210	0	11.25	11.24	11.15	13.0	0.0	
150	WCDMA	1	1	11.25	11.17	11.14	13.0	0.0	
150	WCDMA	1	137	11.25	11.14	11.14	13.0	0.0	
150	WCDMA	1	1	11.15	11.15	11.15	13.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	11.05	11.15	11.15	13.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.05	11.22	11.17	13.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	11.22	11.12	11.15	13.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.25	11.14	11.14	13.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.25	11.15	11.17	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.22	11.15	11.15	13.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.25	11.24	11.15	13.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.27	11.24	11.15	13.0	0.0	

FCC_n41_Ant 2									
SV (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. (Frac.)	Power Meds Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (sec)	MFIS (dB)	MFIS (dB)
Channel									
Frequency (MHz)									
150	PI2 BPSK	1	1	21.15	21.11	21.17	20.0	0.0	
150	PI2 BPSK	1	137	21.12	21.08	21.07	20.0	0.0	
150	PI2 BPSK	1	231	21.15	21.14	21.07	20.0	0.0	
150	PI2 BPSK	130	0	21.05	21.13	21.05	20.0	0.0	
150	PI2 BPSK	130	66	21.21	21.15	21.15	20.0	0.0	
150	PI2 BPSK	130	138	21.02	21.14	21.05	20.0	0.0	
150	PI2 BPSK	210	0	21.03	21.05	21.17	20.0	0.0	
150	QPSK	1	1	21.15	21.07	21.12	20.0	0.0	
150	QPSK	1	137	21.15	21.14	21.12	20.0	0.0	
150	QPSK	130	0	21.15	21.15	21.11	20.0	0.0	
150	QPSK	130	66	21.15	21.15	21.05	20.0	0.0	
150	QPSK	130	66	21.11	21.14	21.11	20.0	0.0	
150	QPSK	130	138	21.05	21.05	21.10	20.0	0.0	
150	QPSK	210	0	21.05	21.15	21.17	20.0	0.0	
150	WCDMA	1	1	21.02	21.10	21.14	20.0	0.0	
150	WCDMA	1	1	21.15	21.14	21.15	20.0	0.0	
150	WCDMA	1	1	20.15	20.15	20.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.04	21.15	21.05	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.15	21.05	21.15	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.12	21.05	21.05	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.15	21.17	21.05	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.15	21.15	21.15	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.15	21.05	21.05	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.10	21.15	21.15	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.04	21.15	21.11	20.0	0.0	

FCC_n41_Ant 4									
SV (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. (Frac.)	Power Meds Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (sec)	MFIS (dB)	MFIS (dB)
Channel									
Frequency (MHz)									
150	PI2 BPSK	1	1	12.15	12.11	12.11	14.0	0.0	
150	PI2 BPSK	1	137	12.12	12.13	12.23	14.0	0.0	
150	PI2 BPSK	1	231	12.15	12.14	12.11	14.0	0.0	
150	PI2 BPSK	130	0	12.17	12.22	12.17	14.0	0.0	
150	PI2 BPSK	130	66	12.24	12.25	12.23	14.0	0.0	
150	PI2 BPSK	130	66	12.45	12.13	12.21	14.0	0.0	
150	PI2 BPSK	210	0	12.15	12.25	12.23	14.0	0.0	
150	QPSK	1	1	12.15	12.17	12.11	14.0	0.0	
150	QPSK	1	137	12.15	12.20	12.13	14.0	0.0	
150	QPSK	1	231	12.15	12.15	12.11	14.0	0.0	
150	QPSK	130	0	12.15	12.25	12.17	14.0	0.0	
150	QPSK	130	66	12.11	12.15	12.15	14.0	0.0	
150	QPSK	130	138	12.15	12.15	12.15	14.0	0.0	
150	QPSK	210	0	12.15	12.23	12.15	14.0	0.0	
150	WCDMA	1	1	12.12	12.15	12.17	14.0	0.0	
150	WCDMA	1	1	12.15	12.14	12.15	14.0	0.0	
150	WCDMA	1	1	12.15	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.12	12.14	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.15	12.15	12.11	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.11	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.15	12.15	12.11	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.15	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.15	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.15	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.13	12.22	12.23	14.0	0.0	

Par27Q_n77_Ant 1									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. [Frac.]	Power Main Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P1Q2 BPSK	1	1	12.80					
100	P1Q2 BPSK	1	137	12.80			13.5	0.0	
100	P1Q2 BPSK	1	271	12.80					
100	P1Q2 BPSK	100	0	12.75	12.75	12.75	13.5	0.0	
100	P1Q2 BPSK	100	66	12.80			13.5	0.0	
100	P1Q2 BPSK	100	138	12.75			13.5	0.0	
100	P1Q2 BPSK	270	0	12.80					
100	QPSK	1	1	12.80					
100	QPSK	1	137	12.80			13.5	0.0	
100	QPSK	1	271	12.75					
100	QPSK	100	0	12.75	12.75	12.75	13.5	0.0	
100	QPSK	100	66	12.80			13.5	0.0	
100	QPSK	100	138	12.75			13.5	0.0	
100	QPSK	270	0	12.80					
100	16QAM	1	1	12.80			13.5	0.0	
100	16QAM	1	137	12.80					
100	16QAM	1	271	12.75					
100	16QAM	100	0	12.75	12.75	12.75	13.5	0.0	
100	16QAM	100	66	12.80			13.5	0.0	
100	16QAM	100	138	12.75			13.5	0.0	
100	16QAM	270	0	12.80					
100	256QAM	1	1	12.80			13.5	0.0	
100	256QAM	1	137	12.80					
100	256QAM	1	271	12.75					
100	256QAM	100	0	12.75	12.75	12.75	13.5	0.0	
100	256QAM	100	66	12.80			13.5	0.0	
100	256QAM	100	138	12.75			13.5	0.0	
100	256QAM	270	0	12.80					
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.80	12.74	12.71	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.76	12.67	12.70	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.74	12.64	12.70	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.70	12.60	12.66	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.70	12.60	12.72	13.5	0.0	

Part27Q_n77_Ant 1									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. [Frac.]	Power Main Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P1Q2 BPSK	1	1	12.23	12.36	12.47			
100	P1Q2 BPSK	1	137	12.29	12.49	12.30	13.5	0.0	
100	P1Q2 BPSK	1	271	12.28	12.36	12.40			
100	P1Q2 BPSK	100	0	12.23	12.23	12.48	13.5	0.0	
100	P1Q2 BPSK	100	66	12.24	12.45	12.41	13.5	0.0	
100	P1Q2 BPSK	100	138	12.21	12.41	12.41	13.5	0.0	
100	P1Q2 BPSK	270	0	12.29	12.48	12.38			
100	QPSK	1	1	12.23	12.23	12.40			
100	QPSK	1	137	12.29	12.54	12.41	13.5	0.0	
100	QPSK	1	271	12.28	12.36	12.36			
100	QPSK	100	0	12.23	12.26	12.36	13.5	0.0	
100	QPSK	100	66	12.24	12.74	12.36	13.5	0.0	
100	QPSK	100	138	12.20	12.51	12.47	13.5	0.0	
100	QPSK	270	0	12.42	12.51	12.41	13.5	0.0	
100	16QAM	1	1	12.27	12.48	12.40	13.5	0.0	
100	16QAM	1	137	12.28	12.50	12.40			
100	16QAM	1	271	12.21	12.50	12.40	13.5	0.0	
100	16QAM	100	0	12.21	12.50	12.40	13.5	0.0	
100	16QAM	100	66	12.24	12.50	12.40	13.5	0.0	
100	16QAM	100	138	12.20	12.51	12.41	13.5	0.0	
100	16QAM	270	0	12.29	12.48	12.40			
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.26	12.30	12.42	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.21	12.24	12.42	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.26	12.29	12.47	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.24	12.20	12.46	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.26	12.10	12.41	13.5	0.0	

Part27Q_n77_Ant 3									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. [Frac.]	Power Main Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up Time [ms]	MFR [dB]	
Frequency (MHz)									
100	P1Q2 BPSK	1	1	12.50					
100	P1Q2 BPSK	1	137		12.50		11.0	0.0	
100	P1Q2 BPSK	1	271		12.50				
100	P1Q2 BPSK	100	0		12.54		11.0	0.0	
100	P1Q2 BPSK	100	66		12.54		11.0	0.0	
100	P1Q2 BPSK	100	138		12.53		11.0	0.0	
100	P1Q2 BPSK	270	0		12.51				
100	QPSK	1	1		12.54		11.0	0.0	
100	QPSK	1	137		12.57				
100	QPSK	1	271		12.57				
100	QPSK	100	0		12.56		11.0	0.0	
100	QPSK	100	66		12.57		11.0	0.0	
100	QPSK	100	138		12.56		11.0	0.0	
100	QPSK	270	0		12.55				
100	16QAM	1	1		12.56		11.0	0.0	
100	16QAM	1	137		12.56				
100	16QAM	1	271		12.55				
100	16QAM	100	0		12.55		11.0	0.0	
100	256QAM	1	1		12.56		11.0	0.0	
Channel				0.0000	0.0002	0.0002	Turn-up time	MFR	
Frequency (MHz)				0.0000	0.0002	0.0002	Turn-up time	MFR	
80	QPSK	1	1	9.36	9.34	9.34	11.0	0.0	
Channel				0.0000	0.0002	0.0002	Turn-up time	MFR	
Frequency (MHz)				0.0000	0.0002	0.0002	Turn-up time	MFR	
40	QPSK	1	1	9.36	9.30	9.30	11.0	0.0	
Channel				0.0000	0.0002	0.0002	Turn-up time	MFR	
Frequency (MHz)				0.0000	0.0002	0.0002	Turn-up time	MFR	
30	QPSK	1	1	9.36	9.27	9.27	11.0	0.0	
Channel				0.0000	0.0002	0.0002	Turn-up time	MFR	
Frequency (MHz)				0.0000	0.0002	0.0002	Turn-up time	MFR	
20	QPSK	1	1	9.36	9.27	9.26	11.0	0.0	

Part27Q_n77_Ant 3									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. [Frac.]	Power Main Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P1Q2 BPSK	1	1	12.54	12.57	12.56			
100	P1Q2 BPSK	1	137	12.51	12.55	12.55	11.0	0.0	
100	P1Q2 BPSK	1	271	12.56	12.56	12.56			
100	P1Q2 BPSK	100	0	12.50	12.59	12.59	11.0	0.0	
100	P1Q2 BPSK	100	66	12.52	12.59	12.59	11.0	0.0	
100	P1Q2 BPSK	100	138	12.52	12.58	12.58	11.0	0.0	
100	P1Q2 BPSK	270	0	12.51	12.59	12.59			
100	QPSK	1	1	12.57	12.57	12.58			
100	QPSK	1	137	12.52	12.55	12.55	11.0	0.0	
100	QPSK	1	271	12.56	12.52	12.59			
100	QPSK	100	0	12.52	12.59	12.59	11.0	0.0	
100	QPSK	100	66	12.55	12.59	12.59	11.0	0.0	
100	QPSK	100	138	12.55	12.52	12.59	11.0	0.0	
100	QPSK	270	0	12.52	12.51	12.52			
100	16QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	16QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	16QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	16QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	16QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	16QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	16QAM	270	0	12.52	12.51	12.52			
100	25QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	25QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	25QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	25QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	25QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	25QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	25QAM	270	0	12.52	12.51	12.52			
100	64QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	64QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	64QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	64QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	64QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	64QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	64QAM	270	0	12.52	12.51	12.52			
100	256QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	256QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	256QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	256QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	256QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	256QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	256QAM	270	0	12.52	12.51	12.52			
100	512QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	512QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	512QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	512QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	512QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	512QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	512QAM	270	0	12.52	12.51	12.52			
100	1024QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	1024QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	1024QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	1024QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	1024QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	1024QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	1024QAM	270	0	12.52	12.51	12.52			
100	2048QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	2048QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	2048QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	2048QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	2048QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	2048QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	2048QAM	270	0	12.52	12.51	12.52			
100	4096QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	4096QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	4096QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	4096QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	4096QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	4096QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	4096QAM	270	0	12.52	12.51	12.52			
100	8192QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	8192QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	8192QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	8192QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	8192QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	8192QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	8192QAM	270	0	12.52	12.51	12.52			
100	16384QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	16384QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	16384QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	16384QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	16384QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	16384QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	16384QAM	270	0	12.52	12.51	12.52			
100	32768QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	32768QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	32768QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	32768QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	32768QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	32768QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	32768QAM	270	0	12.52	12.51	12.52			
100	65536QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	65536QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	65536QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	65536QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	65536QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	65536QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	65536QAM	270	0	12.52	12.51	12.52			
100	131072QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	131072QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	131072QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	131072QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	131072QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	131072QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	131072QAM	270	0	12.52	12.51	12.52			
100	262144QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	262144QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	262144QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	262144QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	262144QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	262144QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	262144QAM	270	0	12.52	12.51	12.52			
100	524288QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	524288QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	524288QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	524288QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	524288QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	524288QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	524288QAM	270	0	12.52	12.51	12.52			
100	1048576QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	1048576QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	1048576QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	1048576QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	1048576QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	1048576QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	1048576QAM	270	0	12.52	12.51	12.52			
100	2097152QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	2097152QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	2097152QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	2097152QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	2097152QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	2097152QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	2097152QAM	270	0	12.52	12.51	12.52			
100	4194304QAM	1	1	12.55	12.59	12.59	11.0	0.0	
100	4194304QAM	1	137	12.55	12.59	12.59	11.0	0.0	
100	4194304QAM	1	271	12.55	12.59	12.59	11.0	0.0	
100	4194304QAM	100	0	12.52	12.59	12.59	11.0	0.0	
100	4194304QAM	100	66	12.55	12.59	12.59	11.0	0.0	
100	4194304QAM	100	138	12.55	12.52	12.59	11.0	0.0	
100	4194304QAM	270	0	12.52	12.51	12.52			
100	8388608QAM	1	1	12.55	12.				

Part27Q_n77_Ant 5									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. 1 (W)	Power Mid Ch. 1 (W)	Power High Ch. 1 (W)	Turnup time (s)	MPS (dB)	
Channel									
Frequency (MHz)				1580.0					
100	P1Q2 BPSK	1	1	15.41	15.41	15.41			
100	P1Q2 BPSK	1	137	15.42	15.42	15.42	16.0	0.0	
100	P1Q2 BPSK	1	271	15.41	15.41	15.41	16.0	0.0	
100	P1Q2 BPSK	100	0	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	100	66	15.40	15.40	15.40	16.0	0.0	
100	P1Q2 BPSK	100	138	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	270	0	15.39	15.39	15.39	16.0	0.0	
100	QPSK	1	1	15.37	15.37	15.37	16.0	0.0	
100	QPSK	1	137	15.40	15.40	15.40	16.0	0.0	
100	QPSK	1	271	15.40	15.40	15.40	16.0	0.0	
100	QPSK	100	0	15.41	15.41	15.41	16.0	0.0	
100	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
100	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
100	QPSK	270	0	15.40	15.40	15.40	16.0	0.0	
100	16QAM	1	1	15.40	15.40	15.40	16.0	0.0	
100	16QAM	1	137	15.40	15.40	15.40	16.0	0.0	
100	16QAM	1	271	15.40	15.40	15.40	16.0	0.0	
100	16QAM	100	0	15.40	15.40	15.40	16.0	0.0	
100	16QAM	100	66	15.40	15.40	15.40	16.0	0.0	
100	16QAM	100	138	15.40	15.40	15.40	16.0	0.0	
100	16QAM	270	0	15.40	15.40	15.40	16.0	0.0	
100	256QAM	1	1	15.40	15.40	15.40	16.0	0.0	
100	256QAM	1	137	15.40	15.40	15.40	16.0	0.0	
100	256QAM	1	271	15.40	15.40	15.40	16.0	0.0	
100	256QAM	100	0	15.40	15.40	15.40	16.0	0.0	
100	256QAM	100	66	15.40	15.40	15.40	16.0	0.0	
100	256QAM	100	138	15.40	15.40	15.40	16.0	0.0	
100	256QAM	270	0	15.40	15.40	15.40	16.0	0.0	
80	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
80	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
80	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
80	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
40	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
30	QPSK	1	1	15.40	15.40	15.40	16.0	0.0	
30	QPSK	1	137	15.40	15.40	15.40	16.0	0.0	
30	QPSK	1	271	15.40	15.40	15.40	16.0	0.0	
30	QPSK	100	0	15.40	15.40	15.40	16.0	0.0	
30	QPSK	100	66	15.40	15.40	15.40	16.0	0.0	
30	QPSK	100	138	15.40	15.40	15.40	16.0	0.0	
30	QPSK	270	0	15.40	15.40	15.40	16.0	0.0	
20	QPSK	1	1	15.40	15.40	15.40	16.0	0.0	
20	QPSK	1	137	15.40	15.40	15.40	16.0	0.0	
20	QPSK	1	271	15.40	15.40	15.40	16.0	0.0	
20	QPSK	100	0	15.40	15.40	15.40	16.0	0.0	
20	QPSK	100	66	15.40	15.40	15.40	16.0	0.0	
20	QPSK	100	138	15.40	15.40	15.40	16.0	0.0	
20	QPSK	270	0	15.40	15.40	15.40	16.0	0.0	

Par27Q_n77_Ant 5									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. 1 (W)	Power Mid Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (s)	MPS (dB)	
Channel									
Frequency (MHz)									
100	P1Q2 BPSK	1	1	15.39	15.39	15.39			
100	P1Q2 BPSK	1	137	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	1	271	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	100	0	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	100	66	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	100	138	15.39	15.39	15.39	16.0	0.0	
100	P1Q2 BPSK	270	0	15.39	15.39	15.39	16.0	0.0	
100	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
100	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
100	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
100	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
100	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
100	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
100	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
100	16QAM	1	1	15.39	15.39	15.39	16.0	0.0	
100	16QAM	1	137	15.39	15.39	15.39	16.0	0.0	
100	16QAM	1	271	15.39	15.39	15.39	16.0	0.0	
100	16QAM	100	0	15.39	15.39	15.39	16.0	0.0	
100	16QAM	100	66	15.39	15.39	15.39	16.0	0.0	
100	16QAM	100	138	15.39	15.39	15.39	16.0	0.0	
100	16QAM	270	0	15.39	15.39	15.39	16.0	0.0	
100	256QAM	1	1	15.39	15.39	15.39	16.0	0.0	
100	256QAM	1	137	15.39	15.39	15.39	16.0	0.0	
100	256QAM	1	271	15.39	15.39	15.39	16.0	0.0	
100	256QAM	100	0	15.39	15.39	15.39	16.0	0.0	
100	256QAM	100	66	15.39	15.39	15.39	16.0	0.0	
100	256QAM	100	138	15.39	15.39	15.39	16.0	0.0	
100	256QAM	270	0	15.39	15.39	15.39	16.0	0.0	
80	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
80	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
80	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
80	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
80	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
40	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
40	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
40	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
30	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
30	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
30	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
30	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
30	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
30	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
30	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	
20	QPSK	1	1	15.39	15.39	15.39	16.0	0.0	
20	QPSK	1	137	15.39	15.39	15.39	16.0	0.0	
20	QPSK	1	271	15.39	15.39	15.39	16.0	0.0	
20	QPSK	100	0	15.39	15.39	15.39	16.0	0.0	
20	QPSK	100	66	15.39	15.39	15.39	16.0	0.0	
20	QPSK	100	138	15.39	15.39	15.39	16.0	0.0	
20	QPSK	270	0	15.39	15.39	15.39	16.0	0.0	

Part27Q_n77_Ant 7									
SV [MHz]	Modulation	RF Size	RF Offset	Power Low Ch. 1 (W)	Power Mid Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (s)	MPS (dB)	
Channel									
Frequency (MHz)				1440.00					
100	P1Q2 BPSK	1	1	11.24	11.24	11.24			
100	P1Q2 BPSK	1	137	11.24	11.24	11.24	12.0	0.0	
100	P1Q2 BPSK	1	271	11.24	11.24	11.24	12.0	0.0	
100	P1Q2 BPSK	100	0	11.24	11.24	11.24	12.0	0.0	
100	P1Q2 BPSK	100	66	11.24	11.24	11.24	12.0	0.0	
100	P1Q2 BPSK	100	138	11.24	11.24	11.24	12.0	0.0	
100	P1Q2 BPSK	270	0	11.24	11.24	11.24	12.0	0.0	
100	QPSK	1	1	11.24	11.24	11.24	12.0	0.0	
100	QPSK	1	137	11.24	11.24	11.24	12.0	0.0	
100	QPSK	1	271	11.24	11.24	11.24	12.0	0.0	
100	QPSK	100	0	11.24	11.24	11.24	12.0	0.0	
100	QPSK	100	66	11.24	11.24	11.24	12.0	0.0	
100	QPSK	100	138	11.24	11.24	11.24	12.0	0.0	
100	QPSK	270	0	11.24	11.24	11.24	12.0	0.0	
100	HQPSK	1	1	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	1	137	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	1	271	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	100	0	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	100	66	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	100	138	11.21	11.21	11.21	12.0	0.0	
100	HQPSK	270	0	11.21	11.21	11.21	12.0	0.0	
Channel				530000	530000	530000	Turn-up time (s)	MPS	
100	QPSK	1	1	11.26	11.26	11.26	12.0	0.0	
100	QPSK	1	137	11.26	11.26	11.26	12.0	0.0	
100	QPSK	1	271	11.26	11.26	11.26	12.0	0.0	
100	QPSK	100	0	11.26	11.26	11.26	12.0	0.0	
100	QPSK	100	66	11.26	11.26	11.26	12.0	0.0	
100	QPSK	100	138	11.26	11.26	11.26	12.0	0.0	
100	QPSK	270	0	11.26	11.26	11.26	12.0	0.0	
Frequency (MHz)				304000					
40	QPSK	1	1	11.30	11.30	11.30	12.0	0.0	
40	QPSK	1	137	11.30	11.30	11.30	12.0	0.0	
40	QPSK	1	271	11.30	11.30	11.30	12.0	0.0	
40	QPSK	100	0	11.30	11.30	11.30	12.0	0.0	
40	QPSK	100	66	11.30	11.30	11.30	12.0	0.0	
40	QPSK	100	138	11.30	11.30	11.30	12.0	0.0	
40	QPSK	270	0	11.30	11.30	11.30	12.0	0.0	
Channel				530000	530000	530000	Turn-up time (s)	MPS	
20	QPSK	1	1	11.25	11.27	11.29	12.0	0.0	

Reduced Power Mode for ECI 12

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	1860	1880
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	14.92	15.00	15.10	16.5	0.0
20	PI2 BPSK	1	53	15.04	15.05	15.03		
20	PI2 BPSK	1	104	15.02	15.11	14.92	16.5	0.0
20	PI2 BPSK	50	0	15.03	14.99	14.95		
20	PI2 BPSK	50	28	15.03	14.97	15.01	16.5	0.0
20	PI2 BPSK	50	56	14.96	14.99	14.97	16.5	0.0
20	PI2 BPSK	100	0	14.97	15.06	15.00		
20	QPSK	1	1	15.14	15.20	15.12	16.5	0.0
20	QPSK	1	53	14.80	15.19	14.94		
20	QPSK	1	104	15.12	14.96	15.09	16.5	0.0
20	QPSK	50	0	14.97	15.02	14.92		
20	QPSK	50	28	15.10	15.11	14.93	16.5	0.0
20	QPSK	50	56	15.04	14.98	14.97	16.5	0.0
20	QPSK	100	0	14.97	15.06	14.97		
20	16QAM	1	1	14.92	15.01	14.95	16.5	0.0
20	16QAM	1	1	14.85	15.05	14.97	16.5	0.0
20	256QAM	1	1	14.86	15.01	14.94	16.5	0.0
Channel				371000	376000	380000	1867.5	1880
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	14.89	14.94	15.08	16.5	0.0
Channel				371000	376000	381000	1865	1880
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	14.96	15.00	15.15	16.5	0.0
Channel				370500	376000	381500	1852.5	1880
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.98	14.90	15.03	16.5	0.0

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	1860	1880
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	20.91	20.80	20.81	22.5	0.0
20	PI2 BPSK	1	53	20.90	20.89	20.81		
20	PI2 BPSK	1	104	20.87	20.86	20.79	22.5	0.0
20	PI2 BPSK	50	0	20.82	20.92	20.76		
20	PI2 BPSK	50	28	20.88	20.94	20.82	22.5	0.0
20	PI2 BPSK	50	56	20.86	20.83	20.83	22.5	0.0
20	PI2 BPSK	100	0	20.90	20.81	20.75		
20	QPSK	1	1	20.92	20.95	20.87	22.5	0.0
20	QPSK	1	53	20.80	20.82	20.80		
20	QPSK	1	104	20.90	20.81	20.72	22.5	0.0
20	QPSK	50	0	20.80	20.84	20.78		
20	QPSK	50	28	20.90	20.92	20.84	22.5	0.0
20	QPSK	50	56	20.87	20.89	20.76	22.5	0.0
20	QPSK	100	0	20.82	20.87	20.73		
20	16QAM	1	1	20.86	20.81	20.76	22.5	0.0
20	16QAM	1	1	20.05	20.10	20.02	22.0	0.5
20	256QAM	1	1	18.49	18.57	18.65	20.0	2.5
Channel				371500	376000	380000	1867.5	1880
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	20.84	20.84	20.82	22.5	0.0
Channel				371000	376000	381000	1855	1880
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.82	20.85	20.75	22.5	0.0
Channel				370500	376000	381500	1852.5	1880
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.81	20.82	20.85	22.5	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	1860	1880
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	9.46	9.50	9.45	11.0	0.0
20	PI2 BPSK	1	53	9.41	9.41	9.47		
20	PI2 BPSK	1	104	9.43	9.52	9.47	11.0	0.0
20	PI2 BPSK	50	0	9.43	9.39	9.34		
20	PI2 BPSK	50	28	9.47	9.40	9.42	11.0	0.0
20	PI2 BPSK	50	56	9.45	9.42	9.36	11.0	0.0
20	PI2 BPSK	100	0	9.45	9.45	9.43		
20	QPSK	1	1	9.59	9.65	9.55	11.0	0.0
20	QPSK	1	53	9.46	9.43	9.35		
20	QPSK	1	104	9.47	9.53	9.45	11.0	0.0
20	QPSK	50	0	9.49	9.49	9.48		
20	QPSK	50	28	9.55	9.60	9.51	11.0	0.0
20	QPSK	50	56	9.48	9.46	9.38	11.0	0.0
20	QPSK	100	0	9.52	9.57	9.50		
20	16QAM	1	1	9.51	9.52	9.39	11.0	0.0
20	16QAM	1	1	9.46	9.43	9.43	11.0	0.0
20	256QAM	1	1	9.48	9.53	9.42	11.0	0.0
Channel				371000	376000	380000	1867.5	1880
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	9.44	9.57	9.47	11.0	0.0
Channel				371000	376000	381000	1855	1880
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	9.43	9.59	9.53	11.0	0.0
Channel				370500	376000	381500	1852.5	1880
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	9.50	9.65	9.47	11.0	0.0

n5_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0
20	PI2 BPSK	1	53	23.40	23.66	23.66		
20	PI2 BPSK	1	104	23.43	23.55	23.52		
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0
20	PI2 BPSK	50	56	22.99	23.08	22.99	24.5	0.5
20	PI2 BPSK	100	0	22.91	23.03	22.94		
20	QPSK	1	1	23.61	23.70	23.61		
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0
20	QPSK	50	0	22.58	22.71	22.59		
20	QPSK	50	28	22.48	22.62	22.45		
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0
20	QPSK	100	0	22.38	22.57	22.42		
20	16QAM	1	1	22.36	22.53	22.45		
20	16QAM	1	1	21.00	21.00	20.94	22.5	2.5
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5
Channel				168300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.50	23.66	23.48	25.0	0.0
Channel				168300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.58	23.50	23.51	25.0	0.0

n5_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	18.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	16.86	16.94	16.84	18.5	0.0
20	PI2 BPSK	1	53	16.77	17.00	16.82		
20	PI2 BPSK	1	104	16.87	16.92	16.73		
20	PI2 BPSK	50	0	16.91	16.99	16.81	18.5	0.0
20	PI2 BPSK	50	28	16.78	17.00	16.74	18.5	0.0
20	PI2 BPSK	50	56	16.87	16.91	16.82	18.5	0.0
20	PI2 BPSK	100	0	16.79	16.94	16.83		
20	QPSK	1	1	17.02	17.10	17.00		
20	QPSK	1	53	16.80	16.93	16.74	18.5	0.0
20	QPSK	1	104	16.90	16.92	16.77	18.5	0.0
20	QPSK	50	0	16.91	16.96	16.79		
20	QPSK	50	28	16.85	17.05	16.85		
20	QPSK	50	56	16.90	16.90	16.84	18.5	0.0
20	QPSK	100	0	16.97	17.07	16.96		
20	16QAM	1	1	16.79	16.93	16.81		
20	16QAM	1	1	16.88	16.93	16.77	18.5	0.0
20	256QAM	1	1	16.90	16.94	16.82	18.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	16.86	16.96	16.71	18.5	0.0
Channel				168300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826	836.5	844		
10	QPSK	1	1	16.89	16.97	16.84	18.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	16.80	16.88	16.83	18.5	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	10.01	10.17	10.06	11.5	0.0
20	PI2 BPSK	1	53	10.03	10.08	10.10		
20	PI2 BPSK	1	104	9.99	10.05	10.04	11.5	0.0
20	PI2 BPSK	50	0	10.03	10.15	10.06		
20	PI2 BPSK	50	28	9.97	10.15	10.09	11.5	0.0
20	PI2 BPSK	50	56	10.07	10.15	10.04	11.5	0.0
20	PI2 BPSK	100	0	10.04	10.09	10.08		
20	QPSK	1	1	10.10	10.18	10.12	11.5	0.0
20	QPSK	1	53	10.06	10.06	9.98		
20	QPSK	1	104	10.00	10.14	10.10	11.5	0.0
20	QPSK	50	0	10.02	10.14	10.00		
20	QPSK	50	28	10.07	10.15	10.10	11.5	0.0
20	QPSK	50	56	10.06	10.07	10.07	11.5	0.0
20	QPSK	100	0	10.05	10.14	10.01		
20	16QAM	1	1	9.95	10.09	10.02	11.5	0.0
20	16QAM	1	1	10.07	10.15	9.97	11.5	0.0
20	256QAM	1	1	10.09	10.03	10.11	11.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	9.98	10.10	9.97	11.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	10.07	10.14	10.04	11.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	10.03	10.16	10.06	11.5	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	20.10	20.11	20.12	21.5	0.0
20	PI2 BPSK	1	53	20.16	20.10	20.17		
20	PI2 BPSK	1	104	20.12	20.19	20.11	21.5	0.0
20	PI2 BPSK	50	0	20.13	20.14	20.09		
20	PI2 BPSK	50	28	20.15	20.17	20.16	21.5	0.0
20	PI2 BPSK	50	56	20.10	20.14	20.05	21.5	0.0
20	PI2 BPSK	100	0	20.13	20.16	20.16		
20	QPSK	1	1	20.18	20.25	20.20	21.5	0.0
20	QPSK	1	53	20.15	20.10	20.11		
20	QPSK	1	104	20.15	20.22	20.09	21.5	0.0
20	QPSK	50	0	20.13	20.23	20.14		
20	QPSK	50	28	20.15	20.25	20.16	21.5	0.0
20	QPSK	50	56	20.05	20.17	20.13	21.5	0.0
20	QPSK	100	0	20.07	20.10	20.05		
20	16QAM	1	1	20.16	20.13	20.08	21.5	0.0
20	16QAM	1	1	20.09	20.11	20.09	21.5	0.0
20	256QAM	1	1	19.03	19.02	18.99	20.0	1.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.15	20.24	20.07	21.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.11	20.12	20.10	21.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.06	20.12	20.14	21.5	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	10.94	11.09	11.06	12.5	0.0
20	PI2 BPSK	1	53	10.93	11.11	10.96		
20	PI2 BPSK	1	104	11.02	11.09	11.05	12.5	0.0
20	PI2 BPSK	50	0	10.95	11.00	10.99		
20	PI2 BPSK	50	28	10.91	11.07	10.98	12.5	0.0
20	PI2 BPSK	50	56	11.00	11.07	11.03	12.5	0.0
20	PI2 BPSK	100	0	11.03	11.01	11.02		
20	QPSK	1	1	11.05	11.12	11.03	12.5	0.0
20	QPSK	1	53	11.04	11.04	10.95		
20	QPSK	1	104	10.93	11.09	11.04	12.5	0.0
20	QPSK	50	0	10.97	11.06	10.97		
20	QPSK	50	28	11.05	11.10	11.01	12.5	0.0
20	QPSK	50	56	11.00	10.97	11.05	12.5	0.0
20	QPSK	100	0	11.04	11.06	10.94		
20	16QAM	1	1	10.90	11.05	11.05	12.5	0.0
20	16QAM	1	1	11.00	11.05	10.97	12.5	0.0
20	256QAM	1	1	11.00	11.04	10.93	12.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	11.00	11.08	11.04	12.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	11.03	10.99	11.02	12.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	10.93	11.10	10.97	12.5	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	15.12	15.26	15.22			
30	PI2 BPSK	1	80	15.21	15.33	15.20	16.5	0.0	
30	PI2 BPSK	1	158	15.15	15.26	15.18			
30	PI2 BPSK	80	0	15.22	15.21	15.22	16.5	0.0	
30	PI2 BPSK	80	40	15.17	15.23	15.29	16.5	0.0	
30	PI2 BPSK	80	80	15.19	15.22	15.15			
30	PI2 BPSK	160	0	15.25	15.21	15.21	16.5	0.0	
30	QPSK	1	1	15.27	15.34	15.30			
30	QPSK	1	80	15.13	15.24	15.21	16.5	0.0	
30	QPSK	1	158	15.12	15.26	15.17			
30	QPSK	80	0	15.15	15.28	15.25	16.5	0.0	
30	QPSK	80	40	15.20	15.32	15.28	16.5	0.0	
30	QPSK	80	80	15.20	15.20	15.18			
30	QPSK	160	0	15.14	15.27	15.16	16.5	0.0	
30	16QAM	1	1	15.15	15.19	15.27	16.5	0.0	
30	16QAM	1	1	15.21	15.29	15.21	16.5	0.0	
30	256QAM	1	1	15.15	15.23	15.24	16.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.17	15.26	15.27	16.5	0.0	
Channel				343000	349000	349000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.16	15.23	15.21	16.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.14	15.24	15.20	16.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.16	15.30	15.23	16.5	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.14	22.29	22.15			
30	PI2 BPSK	1	80	22.11	22.29	22.13	23.5	0.0	
30	PI2 BPSK	1	158	22.17	22.21	22.09			
30	PI2 BPSK	80	0	22.16	22.26	22.06	23.5	0.0	
30	PI2 BPSK	80	40	22.11	22.22	22.11	23.5	0.0	
30	PI2 BPSK	80	80	22.07	22.27	22.06			
30	PI2 BPSK	160	0	22.15	22.25	22.17	23.5	0.0	
30	QPSK	1	1	22.22	22.30	22.30			
30	QPSK	1	80	22.14	22.21	22.05	23.5	0.0	
30	QPSK	1	158	22.21	22.23	22.15			
30	QPSK	80	0	22.15	22.17	22.12	23.5	0.0	
30	QPSK	80	40	22.15	22.25	22.15	23.5	0.0	
30	QPSK	80	80	22.09	22.12	22.18			
30	QPSK	160	0	22.10	22.23	22.15	23.5	0.0	
30	16QAM	1	1	21.76	21.85	21.82	23.5	0.0	
30	16QAM	1	1	20.27	20.34	20.43	22.0	1.5	
30	256QAM	1	1	18.92	18.95	18.94	20.0	3.5	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.13	22.23	22.06	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.15	22.27	22.12	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.18	22.29	22.09	23.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.08	22.20	22.09	23.5	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	11.25	11.44	11.38			
30	PI2 BPSK	1	80	11.16	11.38	11.31	13.0	0.0	
30	PI2 BPSK	1	158	11.17	11.43	11.38			
30	PI2 BPSK	80	0	11.17	11.33	11.35	13.0	0.0	
30	PI2 BPSK	80	40	11.15	11.43	11.28	13.0	0.0	
30	PI2 BPSK	80	80	11.11	11.40	11.28			
30	PI2 BPSK	160	0	11.25	11.39	11.38	13.0	0.0	
30	QPSK	1	1	11.40	11.48	11.42			
30	QPSK	1	80	11.25	11.32	11.24	13.0	0.0	
30	QPSK	1	158	11.21	11.32	11.26			
30	QPSK	80	0	11.23	11.33	11.29	13.0	0.0	
30	QPSK	80	40	11.26	11.41	11.35	13.0	0.0	
30	QPSK	80	80	11.14	11.39	11.26			
30	QPSK	160	0	11.36	11.39	11.32	13.0	0.0	
30	16QAM	1	1	11.20	11.39	11.27	13.0	0.0	
30	16QAM	1	1	11.22	11.37	11.24	13.0	0.0	
30	256QAM	1	1	11.24	11.36	11.32	13.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	11.23	11.43	11.25	13.0	0.0	
Channel				343000	349000	349000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	11.17	11.40	11.31	13.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	11.21	11.48	11.35	13.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	11.25	11.42	11.26	13.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10			
15	PI2 BPSK	36	0	22.67	22.71	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.77			
15	QPSK	1	1	23.25	23.28	23.27			
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0	
15	QPSK	1	77	23.07	23.13	23.10			
15	QPSK	36	0	21.99	22.06	21.91			
15	QPSK	36	22	23.15	23.25	23.18	24.5	0.0	
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06			
15	16QAM	1	1	21.96	22.01	22.05			
15	64QAM	1	1	20.51	20.55	20.57	22.0	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	690.5			
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	

n71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	19.19	19.29	19.24	20.5	0.0	
15	PI/2 BPSK	1	40	19.21	19.36	19.22			
15	PI/2 BPSK	1	77	19.23	19.30	19.27			
15	PI/2 BPSK	36	0	19.16	19.36	19.20	20.5	0.0	
15	PI/2 BPSK	36	22	19.29	19.33	19.24	20.5	0.0	
15	PI/2 BPSK	36	43	19.16	19.32	19.26	20.5	0.0	
15	PI/2 BPSK	75	0	19.20	19.32	19.25			
15	QPSK	1	1	19.30	19.40	19.32			
15	QPSK	1	40	19.21	19.34	19.19	20.5	0.0	
15	QPSK	1	77	19.21	19.34	19.23			
15	QPSK	36	0	19.18	19.33	19.17			
15	QPSK	36	22	19.24	19.37	19.30	20.5	0.0	
15	QPSK	36	43	19.22	19.26	19.27	20.5	0.0	
15	QPSK	75	0	19.15	19.35	19.27			
15	16QAM	1	1	19.25	19.37	19.29			
15	64QAM	1	1	19.25	19.37	19.23	20.5	0.0	
15	256QAM	1	1	19.25	19.28	19.15	20.0	0.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	19.29	19.30	19.23	20.5	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				680.5	680.5	690.5			
5	QPSK	1	1	19.27	19.27	19.31	20.5	0.0	

Part27Q_n77_Ant 1									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	11.40	11.40				
100	P12-BPSK	1	107	11.40			12.0	0.0	
100	P12-BPSK	1	271	11.30					
100	P12-BPSK	130	0	11.30			12.0	0.0	
100	P12-BPSK	130	60	11.20			12.0	0.0	
100	P12-BPSK	130	120	11.20					
100	P12-BPSK	200	0	11.20			12.0	0.0	
100	QPSK	1	1	11.40	11.25	11.10			
100	QPSK	1	107	11.30			12.0	0.0	
100	QPSK	1	271	11.20					
100	QPSK	130	0	11.20			12.0	0.0	
100	QPSK	130	60	11.10			12.0	0.0	
100	QPSK	130	120	11.20					
100	QPSK	200	0	11.20			12.0	0.0	
100	16QAM	1	1	11.40			12.0	0.0	
100	16QAM	1	1	11.40			12.0	0.0	
100	16QAM	1	1	11.40			12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.30	11.20	11.10	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.30	11.20	11.10	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.20	11.20	11.20	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.20	11.20	11.20	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.20	11.20	11.20	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.20	11.20	11.20	12.0	0.0	

Part27Q_n77_Ant 1									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	11.00	11.10	11.00			
100	P12-BPSK	1	107	11.00	11.11	11.01	12.0	0.0	
100	P12-BPSK	1	271	11.00	11.10	11.00			
100	P12-BPSK	130	0	11.00	11.10	11.00	12.0	0.0	
100	P12-BPSK	130	60	10.90	11.10	11.00	12.0	0.0	
100	P12-BPSK	130	120	11.00	11.10	11.10			
100	P12-BPSK	200	0	11.00	11.10	11.10	12.0	0.0	
100	QPSK	1	1	11.00	11.25	11.10			
100	QPSK	1	107	10.90	11.20	11.00	12.0	0.0	
100	QPSK	1	271	10.90	11.20	11.00			
100	QPSK	130	0	11.00	11.21	11.00	12.0	0.0	
100	QPSK	130	60	10.90	11.21	11.10	12.0	0.0	
100	QPSK	130	120	11.00	11.21	11.10			
100	QPSK	150	130	10.90	11.17	11.10	12.0	0.0	
100	16QAM	1	1	11.00	11.15	11.00	12.0	0.0	
100	16QAM	1	1	11.00	11.20	11.10	12.0	0.0	
100	16QAM	1	1	11.00	11.10	11.10	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.00	11.20	11.00	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.00	11.20	11.00	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.90	11.00	10.90	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.90	11.00	10.90	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.90	11.11	10.90	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.80	11.10	11.00	12.0	0.0	

Part27Q_n77_Ant 3									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	8.70					
100	P12-BPSK	1	107		8.70		0.0	0.0	
100	P12-BPSK	1	271		8.60				
100	P12-BPSK	130	0		8.70		0.0	0.0	
100	P12-BPSK	130	60		8.60		0.0	0.0	
100	P12-BPSK	130	120		8.60				
100	P12-BPSK	200	0		8.70		0.0	0.0	
100	QPSK	1	1		8.70				
100	QPSK	1	107		8.70		0.0	0.0	
100	QPSK	1	271		8.60				
100	QPSK	130	0		8.60		0.0	0.0	
100	QPSK	130	60		8.50		0.0	0.0	
100	QPSK	130	120		8.60				
100	QPSK	200	0		8.70		0.0	0.0	
100	16QAM	1	1		8.60		0.0	0.0	
100	16QAM	1	1		8.50		0.0	0.0	
100	16QAM	1	1		8.60		0.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		8.60		0.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		8.50		0.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1		8.60		0.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1		8.50		0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1		8.60		0.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1		8.50		0.0	0.0	

Part27Q_n77_Ant 3									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	8.70	8.70	8.70			
100	P12-BPSK	1	107	8.60	8.70	8.70	0.0	0.0	
100	P12-BPSK	1	271	8.70	8.60	8.60			
100	P12-BPSK	130	0	8.60	8.60	8.60	0.0	0.0	
100	P12-BPSK	130	60	8.50	8.60	8.60	0.0	0.0	
100	P12-BPSK	130	120	8.60	8.60	8.70			
100	P12-BPSK	200	0	8.70	8.70	8.60	0.0	0.0	
100	QPSK	1	1	8.70	8.60	8.60			
100	QPSK	1	107	8.70	8.60	8.60	0.0	0.0	
100	QPSK	1	271	8.60	8.70	8.60			
100	QPSK	130	0	8.60	8.70	8.60	0.0	0.0	
100	QPSK	130	60	8.50	8.60	8.60	0.0	0.0	
100	QPSK	130	120	8.60	8.70	8.60			
100	16QAM	1	1	8.60	8.70	8.60	0.0	0.0	
100	16QAM	1	1	8.60	8.70	8.60	0.0	0.0	
100	16QAM	1	1	8.70	8.70	8.70	0.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0.0	
80	QPSK	1	1	8.60	8.60	8.60	0.0	0	

Part27Q_n77_Ant 5									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max. Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	14.10	14.10				
100	P12-BPSK	1	107	14.09			14.5	0.0	
100	P12-BPSK	1	271	14.09			14.5	0.0	
100	P12-BPSK	100	0	14.10			14.5	0.0	
100	P12-BPSK	100	66	14.09			14.5	0.0	
100	P12-BPSK	100	136	14.10			14.5	0.0	
100	P12-BPSK	200	0	14.10			14.5	0.0	
100	QPSK	1	1	14.10					
100	QPSK	1	107	14.10			14.5	0.0	
100	QPSK	1	271	14.10			14.5	0.0	
100	QPSK	100	0	14.10			14.5	0.0	
100	QPSK	100	66	14.10			14.5	0.0	
100	QPSK	100	136	14.10			14.5	0.0	
100	QPSK	200	0	14.10			14.5	0.0	
100	HCAM	1	1	14.09			14.5	0.0	
100	HCAM	1	1	14.10			14.5	0.0	
100	HCAM	1	1	14.11			14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.10	14.09	14.10	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.09	14.09	14.10	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.09	14.09	14.10	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.10	14.09	14.10	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.10	14.09	14.10	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.14	14.09	14.10	Turn-up time (dB)	MPN (dB)	

Part27Q_n77_Ant 5									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max. Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	13.97	13.98	13.98			
100	P12-BPSK	1	107	13.74	13.93	13.94	14.5	0.0	
100	P12-BPSK	1	271	13.86	13.90	13.93	14.5	0.0	
100	P12-BPSK	100	0	13.90	13.90	13.93	14.5	0.0	
100	P12-BPSK	100	66	13.75	13.90	13.93	14.5	0.0	
100	P12-BPSK	100	136	13.77	13.94	13.93	14.5	0.0	
100	P12-BPSK	200	0	13.74	13.93	13.94	14.5	0.0	
100	QPSK	1	1	13.90	13.93	13.93			
100	QPSK	1	107	13.74	13.93	13.93	14.5	0.0	
100	QPSK	1	271	13.89	13.91	13.93	14.5	0.0	
100	QPSK	100	0	13.74	13.90	13.93	14.5	0.0	
100	QPSK	100	66	13.75	13.91	13.93	14.5	0.0	
100	QPSK	100	136	13.76	13.98	13.93	14.5	0.0	
100	QPSK	200	0	13.73	13.96	13.93	14.5	0.0	
100	HCAM	1	1	13.71	13.93	13.93	14.5	0.0	
100	HCAM	1	1	13.77	13.98	13.93	14.5	0.0	
100	HCAM	1	1	13.74	13.90	13.93	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.93	13.93	13.93	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.93	13.93	13.93	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.94	13.94	13.93	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.97	13.94	13.93	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.92	13.93	13.94	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.97	13.98	13.97	Turn-up time (dB)	MPN (dB)	

Part27Q_n77_Ant 7									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max. Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1		9.79				
100	P12-BPSK	1	107		9.79		10.5	0.0	
100	P12-BPSK	1	271		9.79		10.5	0.0	
100	P12-BPSK	100	0		9.79		10.5	0.0	
100	P12-BPSK	100	66		9.79		10.5	0.0	
100	P12-BPSK	100	136		9.80		10.5	0.0	
100	P12-BPSK	200	0		9.74		10.5	0.0	
100	QPSK	1	1		9.80		10.5	0.0	
100	QPSK	1	107		9.80		10.5	0.0	
100	QPSK	1	271		9.82		10.5	0.0	
100	QPSK	100	0		9.79		10.5	0.0	
100	QPSK	100	66		9.80		10.5	0.0	
100	QPSK	100	136		9.79		10.5	0.0	
100	QPSK	200	0		9.80		10.5	0.0	
100	HCAM	1	1		9.77		10.5	0.0	
100	HCAM	1	1		9.79		10.5	0.0	
100	HCAM	1	1		9.80		10.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.79	9.79	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.80	9.80	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.80	9.79	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1		9.81	9.80	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1		9.77	9.80	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1		9.79	9.80	Turn-up time (dB)	MPN (dB)	

Part27Q_n77_Ant 7									
SW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Fmax)	Power Max. Ch. (Fmax)	Power High Ch. (Fmax)	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1		9.80	9.82	9.40		
100	P12-BPSK	1	107		9.81	9.82	9.40	0.0	
100	P12-BPSK	1	271		9.80	9.87	9.40		
100	P12-BPSK	100	0		9.80	9.82	9.40	0.0	
100	P12-BPSK	100	66		9.87	9.82	9.50	0.0	
100	P12-BPSK	100	136		9.87	9.82	9.40	0.0	
100	P12-BPSK	200	0		9.87	9.82	9.40	0.0	
100	QPSK	1	1		9.79	9.82	9.40		
100	QPSK	1	107		9.74	9.82	9.50	0.0	
100	QPSK	1	271		9.80	9.87	9.40		
100	QPSK	100	0		9.80	9.82	9.40	0.0	
100	QPSK	100	66		9.75	9.82	9.50	0.0	
100	QPSK	100	136		9.79	9.87	9.50	0.0	
100	QPSK	200	0		9.80	9.82	9.40	0.0	
100	HCAM	1	1		9.79	9.82	9.40	0.0	
100	HCAM	1	1		9.80	9.82	9.50	0.0	
100	HCAM	1	1		9.80	9.82	9.50	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.79	9.82	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.79	9.82	Turn-up time (dB)	MPN (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1		9.82	9.84	9.40	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1		9.80	9.82	9.40	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1		9.80	9.82	9.40	0.0	

Reduced Power Mode for ECI 13

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000	18.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	17.00	17.06	17.13	18.5	0.0	
20	PI2 BPSK	1	53	17.07	17.13	17.14			
20	PI2 BPSK	1	104	17.09	17.07	17.08			
20	PI2 BPSK	50	0	17.03	17.14	17.07	18.5	0.0	
20	PI2 BPSK	50	26	17.06	17.10	17.03	18.5	0.0	
20	PI2 BPSK	50	56	17.03	17.08	17.04	18.5	0.0	
20	PI2 BPSK	100	0	17.11	17.04	17.02	18.5	0.0	
20	QPSK	1	1	17.10	17.15	17.15	18.5	0.0	
20	QPSK	1	53	17.09	17.11	17.11			
20	QPSK	1	104	17.10	17.14	17.12			
20	QPSK	50	0	17.06	17.06	17.08	18.5	0.0	
20	QPSK	50	26	17.06	17.17	17.12	18.5	0.0	
20	QPSK	50	56	16.97	17.15	17.06	18.5	0.0	
20	QPSK	100	0	17.01	17.15	17.03	18.5	0.0	
20	16QAM	1	1	17.06	17.12	17.14	18.5	0.0	
20	64QAM	1	1	17.06	17.15	17.13	18.5	0.0	
20	256QAM	1	1	17.09	17.16	17.09	18.5	0.0	
Channel				371500	376000	380500	18.5	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.86	17.05	17.05	18.5	0.0	
Channel				371000	376000	381000	18.5	MPR (db)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	16.83	17.01	16.99	18.5	0.0	
Channel				370500	376000	381500	18.5	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	16.91	17.01	17.04	18.5	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0	
20	PI2 BPSK	1	53	22.68	22.64	22.63			
20	PI2 BPSK	1	104	22.71	22.75	22.67			
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0	0.5	
20	PI2 BPSK	50	26	22.68	22.66	22.65	24.5	0.0	
20	PI2 BPSK	50	56	22.66	22.25	22.17	24.0	0.5	
20	PI2 BPSK	100	0	22.24	22.19	22.15	24.5	0.0	
20	QPSK	1	1	22.67	22.90	22.78	24.5	0.0	
20	QPSK	1	53	22.67	22.79	22.68			
20	QPSK	1	104	22.74	22.82	22.71			
20	QPSK	50	0	21.56	21.63	21.56	23.5	1.0	
20	QPSK	50	26	22.50	22.62	22.57	24.5	0.0	
20	QPSK	50	56	21.70	21.66	21.76	23.5	1.0	
20	QPSK	100	0	21.63	21.76	21.69	23.5	1.0	
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0	
20	64QAM	1	1	20.05	20.10	20.02	22.0	2.5	
20	256QAM	1	1	18.40	18.57	18.65	20.0	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	22.86	22.88	22.64	24.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	22.74	22.78	22.66	24.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	22.96	23.07	23.03	24.5	0.0	
20	PI2 BPSK	1	53	23.02	23.06	22.99			
20	PI2 BPSK	1	104	22.90	23.02	22.80			
20	PI2 BPSK	50	0	22.44	22.57	22.42	24.0	0.5	
20	PI2 BPSK	50	26	22.96	23.05	22.91	24.5	0.0	
20	PI2 BPSK	50	56	22.41	22.52	22.51	24.0	0.5	
20	PI2 BPSK	100	0	22.47	22.80	22.54	24.0	0.5	
20	QPSK	1	1	23.06	23.14	23.12	24.5	0.0	
20	QPSK	1	53	23.00	23.12	23.02			
20	QPSK	1	104	23.06	23.13	23.08			
20	QPSK	50	0	22.02	22.06	21.92	23.5	1.0	
20	QPSK	50	26	22.96	23.06	22.90	24.5	0.0	
20	QPSK	50	56	21.95	22.00	22.02	23.5	1.0	
20	QPSK	100	0	21.81	21.95	21.93	23.5	1.0	
20	16QAM	1	1	21.72	21.76	21.69	23.5	1.0	
20	64QAM	1	1	20.09	20.19	20.10	22.0	2.5	
20	256QAM	1	1	18.35	18.70	18.63	20.0	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	22.96	23.01	23.07	24.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power [mW] Ch. Freq.	Power [mW] Ch. Freq.	Power [mW] Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0	
20	PI2 BPSK	1	53	23.49	23.66	23.66			
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5	
20	PI2 BPSK	50	26	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.03	22.94	25.0	0.0	
20	QPSK	1	1	23.01	23.03	23.01			
20	QPSK	1	53	23.38	23.56	23.55			
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0	
20	QPSK	50	0	22.56	22.71	22.59			
20	QPSK	50	26	23.46	23.62	23.48			
20	QPSK	50	56	22.30	22.42	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	64QAM	1	1	21.00	21.00	20.94			
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.0 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.0	0.0	
10	QPSK	1	1	23.58	23.55	23.57	25.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0	
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	
20	PI2 BPSK	1	53	23.42	23.53	23.51			
20	PI2 BPSK	1	104	23.38	23.50	23.48			
20	PI2 BPSK	50	0	22.95	23.05	23.04	24.5	0.5	
20	PI2 BPSK	50	26	23.31	23.46	23.32	25.0	0.0	
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5	
20	PI2 BPSK	100	0	22.87	23.02	22.91	25.0	0.0	
20	QPSK	1	1	23.51	23.56	23.55			
20	QPSK	1	53	23.35	23.50	23.46			
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0	
20	QPSK	50	0	22.48	22.57	22.52			
20	QPSK	50	26	23.58	23.54	23.46			
20	QPSK	50	56	22.24	22.36	22.22	24.0	1.0	
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	
20	16QAM	1	1	22.31	22.38	22.37			
20	64QAM	1	1	20.89	20.96	20.89			
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.0 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.0 <td colspan="2">0.0</td>	0.0	
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	25.0 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	18.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	16.48	16.53	16.51	18.0	0.0	
20	PI2 BPSK	1	53	16.47	16.56	16.53			
20	PI2 BPSK	1	104	16.59	16.56	16.49			
20	PI2 BPSK	50	0	16.48	16.64	16.60	18.0	0.0	
20	PI2 BPSK	50	26	16.50	16.65	16.51	18.0	0.0	
20	PI2 BPSK	50	56	16.58	16.60	16.57	18.0	0.0	
20	PI2 BPSK	100	0	16.47	16.86	16.46			
20	QPSK	1	1	16.60	16.66	16.61			
20	QPSK	1	53	16.56	16.63	16.46	18.0	0.0	
20	QPSK	1	104	16.47	16.64	16.49	18.0	0.0	
20	QPSK	50	0	16.56	16.61	16.48			
20	QPSK	50	26	16.57	16.66	16.56			
20	QPSK	50	56	16.46	16.57	16.53	18.0	0.0	
20	QPSK	100	0	16.50	16.60	16.52	18.0	0.0	
20	16QAM	1	1	16.50	16.58	16.54			
20	64QAM	1	1	16.46	16.62	16.56			
20	256QAM	1	1	16.50	16.61	16.60	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0	
15	QPSK	1	1	16.37	16.64	16.46	18.0	0.0	
Channel				501000	507000	513000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	18.0	0.0	
10	QPSK	1	1	16.45	16.58	16.46	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	18.0	0.0	
5	QPSK	1	1	16.37	16.53	16.51	18.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2565			
20	PI2 BPSK	1	1	23.05	23.17	23.10	24.5	0.0	
20	PI2 BPSK	1	53	23.01	23.06	23.09			
20	PI2 BPSK	1	104	23.04	23.17	23.00			
20	PI2 BPSK	50	0	22.58	22.61	22.46	24.0	0.5	
20	PI2 BPSK	50	26	23.00	23.05	23.07	24.5	0.0	
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5	
20	PI2 BPSK	100	0	22.60	22.56	22.49			
20	QPSK	1	1	23.11	23.20	23.16			
20	QPSK	1	53	23.06	23.13	23.05	24.5	0.0	
20	QPSK	1	104	22.95	23.19	23.11	23.5	1.0	
20	QPSK	50	0	22.20	22.23	22.11			
20	QPSK	50	26	22.96	23.05	23.03			
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0	
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0	
20	16QAM	1	1	21.96	22.00	21.97			
20	64QAM	1	1	20.47	20.55	20.47		2.0	
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0	

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	23.00	23.02	22.93	24.5	0.0	
20	PI2 BPSK	1	53	22.82	22.97	22.96			
20	PI2 BPSK	1	104	22.89	22.95	22.92			
20	PI2 BPSK	50	0	22.51	22.56	22.52	24.0	0.5	
20	PI2 BPSK	50	26	22.86	23.00	22.99	24.5	0.0	
20	PI2 BPSK	50	56	22.52	22.60	22.48	24.0	0.5	
20	PI2 BPSK	100	0	22.46	22.52	22.43			
20	QPSK	1	1	22.96	23.05	23.02			
20	QPSK	1	53	22.89	23.02	22.88	24.5	0.0	
20	QPSK	1	104	22.86	23.00	22.93	23.5	1.0	
20	QPSK	50	0	22.02	22.10	22.06			
20	QPSK	50	26	22.02	22.08	22.05			
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0	
20	QPSK	100	0	21.92	21.99	21.95	23.5	1.0	
20	16QAM	1	1	21.72	21.79	21.77			
20	64QAM	1	1	20.34	20.35	20.29		2.5	
20	256QAM	1	1	18.83	18.88	18.77	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	1	22.94	22.90	23.00	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	1	22.93	22.97	22.98	24.5	0.0	

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.25	23.15	24.5	0.0
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	158	23.11	23.22	23.10		
30	PI2 BPSK	80	0	22.89	22.75	22.67	24.0	0.5
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.85	22.73	22.65	24.0	0.5
30	PI2 BPSK	160	0	22.80	22.88	22.94	24.5	0.0
30	QPSK	1	1	23.20	23.30	23.24		
30	QPSK	1	80	23.19	23.25	23.12		
30	QPSK	1	158	23.17	23.21	23.17	23.5	1.0
30	QPSK	80	0	22.16	22.22	22.21	24.5	0.0
30	QPSK	80	40	22.20	22.24	22.22	23.5	1.0
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.05	22.20	22.15	23.5	1.0
30	16QAM	1	1	21.80	21.93	21.86	23.5	1.0
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5
30	256QAM	1	1	19.02	19.05	18.96	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.18	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.66	22.61	22.59	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.88	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.59	22.52	24.5	0.0
30	QPSK	1	1	23.17	23.27	23.15		
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.09	23.5	1.0
30	QPSK	80	0	22.15	22.17	22.20	24.5	0.0
30	QPSK	80	40	22.16	22.21	22.11	23.5	1.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.10	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	22.81	22.90	22.78	24.5	0.0
30	PI2 BPSK	1	80	22.86	22.87	22.83		
30	PI2 BPSK	1	158	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.39	22.45	22.36	24.0	0.5
30	PI2 BPSK	80	40	22.85	22.89	22.80	24.5	0.0
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24	24.5	0.0
30	QPSK	1	1	22.26	22.93	22.63		
30	QPSK	1	80	22.85	22.90	22.76		
30	QPSK	1	158	22.83	22.88	22.77	23.5	1.0
30	QPSK	80	0	21.84	21.96	21.91	24.5	0.0
30	QPSK	80	40	21.75	22.80	22.71	23.5	1.0
30	QPSK	80	80	21.91	21.92	21.87	23.5	1.0
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0
30	16QAM	1	1	21.62	21.70	21.56	23.5	1.0
30	64QAM	1	1	20.17	20.31	20.26	22.0	2.5
30	256QAM	1	1	18.81	18.83	18.79	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	22.72	22.82	22.68	24.5	0.0
Channel				343000	349000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	22.78	22.82	22.76	24.5	0.0
Channel				343000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	22.85	22.92	22.81	24.5	0.0
Channel				342000	349000	350000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	22.77	22.83	22.74	24.5	0.0

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100	24.5	0.0	
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.16	23.04			
15	PI2 BPSK	1	77	23.16	23.17	23.10			
15	PI2 BPSK	36	0	22.67	22.71	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.71	24.5	0.0	
15	QPSK	1	1	23.25	23.26	23.27	24.5	0.0	
15	QPSK	1	40	23.17	23.25	23.16			
15	QPSK	1	77	23.07	23.13	23.10			
15	QPSK	36	0	21.99	22.06	21.91	23.5	1.0	
15	QPSK	36	22	21.15	21.25	21.16	24.5	0.0	
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0	
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.51	20.55	20.37	22.0	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133000	136100	138000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.5	0.0	
10	QPSK	1	1	23.16	23.19	23.25			
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	24.5	0.0	
5	QPSK	1	1	23.17	23.19	23.23			

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI2 BPSK	1	40	23.18	23.21	23.13			
15	PI2 BPSK	1	77	23.20	23.26	23.13			
15	PI2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	PI2 BPSK	36	43	22.74	22.76	22.67	24.0	0.5	
15	PI2 BPSK	75	0	22.73	22.85	22.82	24.5	0.0	
15	QPSK	1	1	23.34	23.35	23.33	24.5		
15	QPSK	1	40	23.26	23.32	23.22			
15	QPSK	1	77	23.16	23.26	23.16			
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0	
15	QPSK	36	22	21.41	21.48	21.28	24.5	0.0	
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0	
15	16QAM	1	1	22.06	22.16	22.10	23.5	1.0	
15	64QAM	1	1	20.60	20.63	20.48	22.0	2.5	
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.5	0.0	
10	QPSK	1	1	23.31	23.28	23.27			
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	24.5	0.0	
5	QPSK	1	1	23.30	23.25	23.19			

FCC_n41_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 Frame	Frame Rate Ch. 1 Frame	Frame Type Ch. 2 Frame	Frame Rate Ch. 2 Frame	Time up (ms)	Time up (ms)	Signal (dB)
Channel										
Frequency (MHz)				2540.51	2540.51	2540.51	2540.51			
100	PSS-SSB	1	1	15.07	15.75	15.75	15.75	17.5	0.0	
100	PSS-SSB	1	132	15.07	15.75	15.75	15.75	17.5	0.0	
100	PSS-SSB	1	271	15.04	15.69	15.74	15.74	17.5	0.0	
100	PSS-SSB	100	0	15.09	15.70	15.71	15.71	17.5	0.0	
100	PSS-SSB	100	49	15.05	15.68	15.69	15.70	17.5	0.0	
100	PSS-SSB	100	138	15.07	15.61	15.68	15.68	17.5	0.0	
100	PSS-SSB	200	0	15.09	15.69	15.69	15.69	17.5	0.0	
100	QPSK	1	1	15.09	15.52	15.50	15.50	17.5	0.0	
100	QPSK	1	127	15.07	15.74	15.71	15.71	17.5	0.0	
100	QPSK	1	271	15.04	15.75	15.75	15.75	17.5	0.0	
100	QPSK	100	0	15.01	15.69	15.74	15.74	17.5	0.0	
100	QPSK	100	49	15.09	15.68	15.68	15.68	17.5	0.0	
100	QPSK	100	138	15.09	15.71	15.71	15.71	17.5	0.0	
100	QPSK	200	0	15.05	15.67	15.69	15.69	17.5	0.0	
100	15QAM	1	1	15.01	15.70	15.70	15.70	17.5	0.0	
100	15QAM	1	1	15.06	15.72	15.70	15.70	17.5	0.0	
100	25QAM	1	1	15.05	15.70	15.70	15.70	17.5	0.0	
Channel										
Frequency (MHz)				2541	2540.59	2540.59	2540.59	17.5	0.0	
50	QPSK	1	1	15.03	15.64	15.68	15.70	17.5	0.0	
Channel										
Frequency (MHz)				2540.52	2540.59	2540.59	2540.59	17.5	0.0	
50	QPSK	1	1	15.03	15.64	15.62	15.62	17.5	0.0	
Channel										
Frequency (MHz)				2541.51	2541.51	2541.51	2541.51	17.5	0.0	
50	QPSK	1	1	15.08	15.64	15.65	15.65	17.5	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.07	15.71	15.69	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.01	15.71	15.68	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.02	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.03	15.63	15.65	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.05	15.66	15.69	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.03	15.68	15.68	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.05	15.66	15.69	15.70	17.5	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	15.02	15.61	15.61	15.61	17.5	0.0	

FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Frame Type Ch. 1 Frame	Frame Rate Ch. 1 Frame	Frame Type Ch. 2 Frame	Frame Rate Ch. 2 Frame	Time up (ms)	Time up (ms)	Signal (dB)
Channel										
Frequency (MHz)				2540.51	2540.51	2540.51	2540.51			
100	PSS-SSB	1	1	24.78	24.67	24.65	24.65	20.0	0.0	
100	PSS-SSB	1	132	24.63	24.71	24.74	24.74	20.0	0.0	
100	PSS-SSB	1	271	24.75	24.69	24.65	24.65	20.0	0.0	
100	PSS-SSB	100	0	24.69	24.62	24.61	24.61	20.0	0.0	
100	PSS-SSB	100	49	24.65	24.62	24.70	24.70	20.0	0.0	
100	PSS-SSB	100	138	24.64	24.63	24.61	24.61	20.0	0.0	
100	PSS-SSB	200	0	24.67	24.65	24.65	24.65	20.0	0.0	
100	QPSK	1	1	24.69	24.72	24.70	24.70	20.0	0.0	
100	QPSK	1	127	24.65	24.68	24.65	24.65	20.0	0.0	
100	QPSK	1	271	24.75	24.65	24.61	24.61	20.0	0.0	
100	QPSK	100	0	23.69	23.62	23.67	23.67	20.0	1.0	
100	QPSK	100	49	24.74	23.65	23.67	23.67	20.0	0.0	
100	QPSK	100	138	23.72	23.65	23.67	23.67	20.0	1.0	
100	QPSK	200	0	23.69	23.62	23.66	23.66	20.0	1.0	
100	15QAM	1	1	23.66	23.62	23.62	23.62	20.0	1.0	
100	15QAM	1	1	23.64	23.62	23.62	23.62	20.0	1.0	
100	25QAM	1	1	23.63	23.66	23.62	23.62	20.0	1.0	
Channel										
Frequency (MHz)				2541	2540.59	2540.59	2540.59	17.5	0.0	
50	QPSK	1	1	24.62	24.68	24.70	24.70	20.0	0.0	
Channel										
Frequency (MHz)				2540.52	2540.59	2540.59	2540.59	17.5	0.0	
50	QPSK	1	1	24.72	24.64	24.62	24.62	20.0	0.0	
Channel										
Frequency (MHz)				2541.51	2541.51	2541.51	2541.51	17.5	0.0	
50	QPSK	1	1	24.67	24.62	24.65	24.65	20.0	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.67	24.62	24.65	24.65	20.0	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.64	24.62	24.63	24.63	20.0	0.0	
Channel										
Frequency (MHz)				502.02	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.63	24.61	24.61	24.61	20.0	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.62	24.62	24.67	24.67	20.0	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.63	24.63	24.67	24.67	20.0	0.0	
Channel										
Frequency (MHz)				502.00	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.64	24.63	24.67	24.67	20.0	0.0	
Channel										
Frequency (MHz)				502.04	502.00	502.00	502.00	Time up (ms)	Signal (dB)	
50	QPSK	1	1	24.71	24.63	24.67	24.67	20.0	0.0	

FCC_n41_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 Frame	Power Level Ch. 2 Frame	Power Level Ch. 3 Frame	Time up (ms)	Time up (ms)	Signal (dB)	
Channel										
Frequency (MHz)				2540.51	2540.51	2540.51				
100	PSS-SSB	1	1	24.71	24.70	24.70	20.0	0.0		
100	PSS-SSB	1	132	24.70	24.68	24.67	20.0	0.0		
100	PSS-SSB	1	271	24.70	24.69	24.69	20.0	0.0		
100	PSS-SSB	100	0	23.70	23.67	23.68	20.0	0.0		
100	PSS-SSB	100	49	24.70	24.64	24.68	20.0	0.0		
100	PSS-SSB	100	138	23.68	23.68	23.68	20.0	0.0		
100	PSS-SSB	200	0	23.69	23.69	23.69	20.0	0.0		
100	QPSK	1	1	24.68	24.72	24.70	20.0	0.0		
100	QPSK	1	127	24.71	24.71	24.67	20.0	0.0		
100	QPSK	1	271	24.74	24.68	24.65	20.0	0.0		
100	QPSK	100	0	23.62	23.10	23.68	20.0	1.0		
100	QPSK	100	49	24.68	23.65	23.67	20.0	0.0		
100	QPSK	100	138	23.71	23.66	23.67	20.0	1.0		
100	QPSK	200	0	23.10	23.10	23.68	20.0	1.0		
100	15QAM	1	1	23.10	23.67	23.68	20.0	1.0		
100	15QAM	1	1	23.09	23.54	23.67	20.0	1.0		
Channel										
Frequency (MHz)				2541.25	2541.25	2541.25				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2542.00	2542.00	2542.00				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2542.75	2542.75	2542.75				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2543.50	2543.50	2543.50				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2544.25	2544.25	2544.25				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2545.00	2545.00	2545.00				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2545.75	2545.75	2545.75				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2546.50	2546.50	2546.50				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2547.25	2547.25	2547.25				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2548.00	2548.00	2548.00				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2548.75	2548.75	2548.75				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		
Frequency (MHz)				2549.50	2549.50	2549.50				
50	QPSK	1	1	24.70	24.70	24.70	20.0	0.0		

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Frame Rate Ch. 3 (F _{Frame})	Turn-up time (min)	APRS (dB)
Channel									
Frequency (MHz)									
100	P4D BPSK	1	1	10.93	90000	90000	90000		
100	P4D BPSK	1	132	13.75	13.75	13.75	13.75	14.5	0.0
100	P4D BPSK	1	271	13.98	13.98	13.98	13.98	14.5	0.0
100	P4D BPSK	136	3	13.73	13.73	13.73	13.73	14.5	0.0
100	P4D BPSK	136	46	13.82	13.82	13.82	13.82	14.5	0.0
100	P4D BPSK	136	138	13.83	13.83	13.83	13.83	14.5	0.0
100	P4D BPSK	200	5	13.77	13.77	13.77	13.77	14.5	0.0
100	QPSK	1	1	13.96	13.96	13.96	13.96	14.5	0.0
100	QPSK	1	127	13.94	13.94	13.94	13.94	14.5	0.0
100	QPSK	1	271	13.95	13.95	13.95	13.95	14.5	0.0
100	QPSK	136	5	13.83	13.83	13.83	13.83	14.5	0.0
100	QPSK	136	46	13.86	13.86	13.86	13.86	14.5	0.0
100	QPSK	136	138	13.76	13.76	13.76	13.76	14.5	0.0
100	QPSK	270	5	13.97	13.97	13.97	13.97	14.5	0.0
100	16QAM	1	1	13.85	13.85	13.85	13.85	14.5	0.0
100	16QAM	1	1	13.86	13.86	13.86	13.86	14.5	0.0
100	256QAM	1	1	13.73	13.73	13.73	13.73	14.5	0.0
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.93	13.93	13.93	13.93	14.5	0.0
100	QPSK	1	132	13.97	13.97	13.97	13.97	14.5	0.0
100	QPSK	1	271	13.98	13.98	13.98	13.98	14.5	0.0
100	QPSK	136	3	13.87	13.87	13.87	13.87	14.5	0.0
100	QPSK	136	46	13.98	13.98	13.98	13.98	14.5	0.0
100	QPSK	136	138	13.81	13.81	13.81	13.81	14.5	0.0
100	QPSK	200	5	13.96	13.96	13.96	13.96	14.5	0.0
100	QPSK	1	1	13.99	13.99	13.99	13.99	14.5	0.0
100	QPSK	1	127	13.94	13.94	13.94	13.94	14.5	0.0
100	QPSK	1	271	13.95	13.95	13.95	13.95	14.5	0.0
100	QPSK	136	5	13.85	13.85	13.85	13.85	14.5	0.0
100	QPSK	136	46	13.87	13.87	13.87	13.87	14.5	0.0
100	QPSK	136	138	13.79	13.79	13.79	13.79	14.5	0.0
100	QPSK	270	5	13.97	13.97	13.97	13.97	14.5	0.0
100	16QAM	1	1	13.89	13.89	13.89	13.89	14.5	0.0
100	16QAM	1	1	13.90	13.90	13.90	13.90	14.5	0.0
100	256QAM	1	1	13.75	13.75	13.75	13.75	14.5	0.0

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Frame Rate Ch. 3 (F _{Frame})	Turn-up time (min)	APRS (dB)
Channel									
Frequency (MHz)									
100	P4D BPSK	1	1	13.82	90000	90000	90000		
100	P4D BPSK	1	132	13.87	13.87	13.87	13.87	14.5	0.0
100	P4D BPSK	1	271	13.88	13.88	13.88	13.88	14.5	0.0
100	P4D BPSK	136	3	13.87	13.87	13.87	13.87	14.5	0.0
100	P4D BPSK	136	46	13.98	13.98	13.98	13.98	14.5	0.0
100	P4D BPSK	136	138	13.81	13.81	13.81	13.81	14.5	0.0
100	P4D BPSK	200	5	13.96	13.96	13.96	13.96	14.5	0.0
100	QPSK	1	1	13.99	13.99	13.99	13.99	14.5	0.0
100	QPSK	1	127	13.94	13.94	13.94	13.94	14.5	0.0
100	QPSK	1	271	13.95	13.95	13.95	13.95	14.5	0.0
100	QPSK	136	5	13.85	13.85	13.85	13.85	14.5	0.0
100	QPSK	136	46	13.87	13.87	13.87	13.87	14.5	0.0
100	QPSK	136	138	13.79	13.79	13.79	13.79	14.5	0.0
100	QPSK	270	5	13.97	13.97	13.97	13.97	14.5	0.0
100	16QAM	1	1	13.89	13.89	13.89	13.89	14.5	0.0
100	16QAM	1	1	13.90	13.90	13.90	13.90	14.5	0.0
100	256QAM	1	1	13.85	13.85	13.85	13.85	14.5	0.0
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.94	13.94	13.94	13.94	14.5	0.0
100	QPSK	1	132	13.97	13.97	13.97	13.97	14.5	0.0
100	QPSK	1	271	13.98	13.98	13.98	13.98	14.5	0.0
100	QPSK	136	3	13.87	13.87	13.87	13.87	14.5	0.0
100	QPSK	136	46	13.98	13.98	13.98	13.98	14.5	0.0
100	QPSK	136	138	13.81	13.81	13.81	13.81	14.5	0.0
100	QPSK	200	5	13.96	13.96	13.96	13.96	14.5	0.0
100	QPSK	1	1	13.99	13.99	13.99	13.99	14.5	0.0
100	QPSK	1	127	13.94	13.94	13.94	13.94	14.5	0.0
100	QPSK	1	271	13.95	13.95	13.95	13.95	14.5	0.0
100	QPSK	136	5	13.85	13.85	13.85	13.85	14.5	0.0
100	QPSK	136	46	13.87	13.87	13.87	13.87	14.5	0.0
100	QPSK	136	138	13.79	13.79	13.79	13.79	14.5	0.0
100	QPSK	270	5	13.97	13.97	13.97	13.97	14.5	0.0
100	16QAM	1	1	13.89	13.89	13.89	13.89	14.5	0.0
100	16QAM	1	1	13.90	13.90	13.90	13.90	14.5	0.0
100	256QAM	1	1	13.85	13.85	13.85	13.85	14.5	0.0

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Frame Rate Ch. 3 (F _{Frame})	Turn-up time (min)	APRS (dB)
Channel									
Frequency (MHz)									
100	P4D BPSK	1	1	21.87	36000	36000	36000		
100	P4D BPSK	1	132	21.87	21.87	21.87	21.87	23.0	0.0
100	P4D BPSK	1	271	21.87	21.87	21.87	21.87	23.0	0.0
100	P4D BPSK	136	3	21.93	21.93	21.93	21.93	23.0	0.0
100	P4D BPSK	136	46	21.96	21.96	21.96	21.96	23.0	0.0
100	P4D BPSK	136	138	21.88	21.88	21.88	21.88	23.0	0.0
100	P4D BPSK	200	5	21.99	21.99	21.99	21.99	23.0	0.0
100	QPSK	1	1	22.14	22.14	22.14	22.14	23.0	0.0
100	QPSK	1	127	22.05	22.05	22.05	22.05	23.0	0.0
100	QPSK	1	271	22.07	22.07	22.07	22.07	23.0	0.0
100	QPSK	136	5	21.90	21.90	21.90	21.90	23.0	0.0
100	QPSK	136	46	21.96	21.96	21.96	21.96	23.0	0.0
100	QPSK	136	138	21.88	21.88	21.88	21.88	23.0	0.0
100	QPSK	270	5	22.04	22.04	22.04	22.04	23.0	0.0
100	16QAM	1	1	21.91	21.91	21.91	21.91	23.0	0.0
100	16QAM	1	1	21.92	21.92	21.92	21.92	23.0	0.0
100	256QAM	1	1	21.87	21.87	21.87	21.87	23.0	0.0
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.07	22.07	22.07	22.07	23.0	0.0
100	QPSK	1	132	22.08	22.08	22.08	22.08	23.0	0.0
100	QPSK	1	271	22.09	22.09	22.09	22.09	23.0	0.0
100	QPSK	136	3	22.15	22.15	22.15	22.15	23.0	0.0
100	QPSK	136	46	22.16	22.16	22.16	22.16	23.0	0.0
100	QPSK	136	138	22.08	22.08	22.08	22.08	23.0	0.0
100	QPSK	270	5	22.12	22.12	22.12	22.12	23.0	0.0
100	16QAM	1	1	22.09	22.09	22.09	22.09	23.0	0.0
100	16QAM	1	1	22.10	22.10	22.10	22.10	23.0	0.0
100	256QAM	1	1	22.07	22.07	22.07	22.07	23.0	0.0

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (F _{Frame})	Power Low Ch. 2 (F _{Frame})	Power Low Ch. 3 (F _{Frame})	Power High Ch. 1 (F _{Frame})	Power High Ch. 2 (F _{Frame})	Power High Ch. 3 (F _{Frame})
Channel									
Frequency (MHz)									
100	P4D BPSK	1	1	22.17	22.28	22.17			
100	P4D BPSK	1	132	22.15	22.27	22.19			0.0
100	P4D BPSK	1	271	22.24	22.24	22.24			0.0
100	P4D BPSK	136	3	21.75	21.80	21.72	22.5	0.5	
100	P4D BPSK	136	46	22.27	22.27	22.27	23.0	0.0	
100	P4D BPSK	136	138	22.19	22.19	22.19	23.0	0.0	
100	P4D BPSK	200	5	21.71	21.70	21.63	22.5	0.0	
100	QPSK	1	1	22.39	22.39	22.39			
100	QPSK	1	127	22.35	22.35	22.35			0.0
100	QPSK	1	271	22.37	22.37	22.37			0.0
100	QPSK	136	5	22.28	22.28	22.28			0.0
100	QPSK	136	46	22.36	22.36	22.36			0.0
100	QPSK	136	138	22.29	22.29	22.29			0.0
100	QPSK	200	5	22.31	22.31	22.31			0.0
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200	5	21.65	21.70	21.62	22.0	0.0	
100	QPSK	200							

Par27O_n77_Ant 7									
SP (MHz)	Subband	Channel	RF Offset	Transmit Freq (MHz)	Receive Freq (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
Frequency (MHz)									
100	GP2K	1	0	23.53	23.53	23.0	23.0	23.0	23.0
100	GP2K	1	0	23.48	23.52	22.27	22.27	24.1	0.0
100	GP2K	1	0	23.57	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.57	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.0
100	GP2K	200	0	23.32	23.31	23.68	24.0	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	1	0	23.53	23.50	23.44	23.44	24.0	0.0
100	GP2K	100	0	23.42	23.41	23.58	24.5	24.5	0.

Reduced Power Mode for ECI 14

n2_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	16.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	15.05	15.05	15.12	16.5	0.0
20	PI2 BPSK	1	53	15.08	15.17	15.12		
20	PI2 BPSK	1	104	15.12	15.06	15.14	16.5	0.0
20	PI2 BPSK	50	0	15.00	15.21	15.02		
20	PI2 BPSK	50	28	15.03	15.10	15.01	16.5	0.0
20	PI2 BPSK	50	56	15.02	15.04	15.13		
20	PI2 BPSK	100	0	15.12	15.10	14.97	16.5	0.0
20	QPSK	1	1	15.10	15.20	15.10		
20	QPSK	1	53	15.04	15.16	15.10	16.5	0.0
20	QPSK	1	104	15.10	15.19	15.13		
20	QPSK	50	0	15.03	15.04	15.16	16.5	0.0
20	QPSK	50	28	15.12	15.20	15.17		
20	QPSK	50	56	14.98	15.18	15.07	16.5	0.0
20	QPSK	100	0	15.10	15.15	15.12		
20	16QAM	1	1	15.08	15.15	15.20	16.5	0.0
20	64QAM	1	1	15.04	15.15	15.08		
20	256QAM	1	1	15.16	15.27	15.12	16.5	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1851.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.00	15.01	15.14	16.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.00	15.04	15.10	16.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	14.96	15.03	15.17	16.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)

n2_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0
20	PI2 BPSK	1	53	22.68	22.64	22.63		
20	PI2 BPSK	1	104	22.71	22.75	22.67	24.5	0.0
20	PI2 BPSK	50	0	22.21	22.21	22.05		
20	PI2 BPSK	50	28	22.58	22.66	22.65	24.5	0.0
20	PI2 BPSK	50	56	22.05	22.25	22.17		
20	PI2 BPSK	100	0	22.24	22.19	22.15	24.5	0.0
20	QPSK	1	1	22.67	22.59	22.75		
20	QPSK	1	53	22.67	22.79	22.68	24.5	0.0
20	QPSK	1	104	22.74	22.62	22.71		
20	QPSK	50	0	21.56	21.63	21.56	24.5	0.0
20	QPSK	50	28	22.55	22.62	22.57		
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0
20	QPSK	100	0	21.63	21.75	21.59		
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5
Channel				371000	376000	380000		
Frequency (MHz)				1851.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.86	22.88	22.84	24.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.74	22.75	22.69	24.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)

n2_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.99	23.07	23.03	24.5	0.0
20	PI2 BPSK	1	53	23.02	23.05	22.99		
20	PI2 BPSK	1	104	22.96	23.02	22.95	24.0	0.5
20	PI2 BPSK	50	0	22.44	22.57	22.42		
20	PI2 BPSK	50	28	22.98	23.05	22.91	24.5	0.0
20	PI2 BPSK	50	56	22.41	22.52	22.51		
20	PI2 BPSK	100	0	22.47	22.60	22.54	24.0	0.5
20	QPSK	1	1	23.05	23.14	23.12		
20	QPSK	1	53	23.00	23.12	23.02	24.5	0.0
20	QPSK	1	104	23.06	23.13	23.08		
20	QPSK	50	0	22.92	22.96	21.92	23.5	1.0
20	QPSK	50	28	22.95	23.05	22.98		
20	QPSK	50	56	21.95	22.90	22.62	23.5	1.0
20	QPSK	100	0	21.91	21.95	21.93		
20	16QAM	1	1	21.72	21.76	21.69	23.5	1.0
20	64QAM	1	1	20.09	20.19	20.10		
20	256QAM	1	1	18.35	18.70	18.63	20.0	4.5
Channel				371000	376000	380000		
Frequency (MHz)				1851.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.96	23.01	23.07	24.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.03	23.04	22.97	24.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.94	23.03	23.02	24.5	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0	
20	PI2 BPSK	1	53	23.49	23.66	23.66			
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14			
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.99	23.08	22.99	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.03	22.94	25.0	0.0	
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.38	23.56	23.55			
20	QPSK	1	104	23.45	23.59	23.58			
20	QPSK	50	0	22.56	22.71	22.59	24.0	1.0	
20	QPSK	50	28	23.43	23.62	23.48	25.0	0.0	
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	64QAM	1	1	21.00	21.00	20.94			
20	256QAM	1	1	19.42	19.53	19.31			
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	831.5			
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0	
Channel				165800	167300	165800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829 <td>836.5</td> <td>844</td>	836.5	844			
10	QPSK	1	1	23.59	23.85	23.57	25.0	0.0	
Channel				168200	167300	168200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5 <td>836.5</td> <td>846.5</td>	836.5	846.5			
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	
20	PI2 BPSK	1	53	23.42	23.53	23.51			
20	PI2 BPSK	1	104	23.38	23.50	23.48			
20	PI2 BPSK	50	0	22.89	23.06	23.04			
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0	
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5	
20	PI2 BPSK	100	0	22.87	23.02	22.91	25.0	0.5	
20	QPSK	1	1	23.51	23.56	23.50			
20	QPSK	1	53	23.35	23.50	23.46			
20	QPSK	1	104	23.44	23.53	23.50			
20	QPSK	50	0	22.48	22.57	22.52	24.0	1.0	
20	QPSK	50	28	23.39	23.52	23.42	25.0	0.0	
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0	
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	
20	16QAM	1	1	22.31	22.38	22.37			
20	64QAM	1	1	20.89	20.96	20.89			
20	256QAM	1	1	19.39	19.42	19.27			
Channel				168200	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.49	23.55	23.53	25.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	
Channel				168200	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0	

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	16.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	14.44	14.48	14.42		
20	PI2 BPSK	1	53	14.35	14.55	14.50	16.0	0.0
20	PI2 BPSK	1	104	14.57	14.47	14.45		
20	PI2 BPSK	50	0	14.35	14.52	14.45		
20	PI2 BPSK	50	28	14.49	14.60	14.38	16.0	0.0
20	PI2 BPSK	50	56	14.51	14.53	14.45	16.0	0.0
20	PI2 BPSK	100	0	14.35	14.59	14.44	16.0	0.0
20	QPSK	1	1	14.55	14.60	14.50	16.0	0.0
20	QPSK	1	53	14.62	14.49	14.51		
20	QPSK	1	104	14.33	14.52	14.39		
20	QPSK	50	0	14.44	14.51	14.46	16.0	0.0
20	QPSK	50	28	14.53	14.57	14.45	16.0	0.0
20	QPSK	50	56	14.38	14.45	14.39	16.0	0.0
20	QPSK	100	0	14.40	14.50	14.43	16.0	0.0
20	16QAM	1	1	14.37	14.54	14.52	16.0	0.0
20	64QAM	1	1	14.39	14.50	14.42	16.0	0.0
20	256QAM	1	1	14.36	14.51	14.48	16.0	0.0
Channel				50100	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	16.0	0.0
15	QPSK	1	1	14.43	14.51	14.46	16.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	16.0	0.0
10	QPSK	1	1	14.43	14.51	14.42	16.0	0.0
Channel				500200	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	16.0	0.0
5	QPSK	1	1	14.45	14.40	14.39	16.0	0.0

n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.05	23.17	23.10		
20	PI2 BPSK	1	53	23.01	23.06	23.09	24.5	0.0
20	PI2 BPSK	1	104	23.04	23.17	23.00		
20	PI2 BPSK	50	0	23.06	23.61	22.46		
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0	0.5
20	PI2 BPSK	100	0	22.60	22.56	22.49	24.0	0.5
20	QPSK	1	1	23.11	23.20	23.16	24.5	0.0
20	QPSK	1	53	23.06	23.13	23.05		
20	QPSK	1	104	22.95	23.19	23.11		
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	22.96	23.05	23.03	24.5	0.0
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97	23.5	1.0
20	64QAM	1	1	20.47	20.55	20.47	22.0	2.5
20	256QAM	1	1	19.03	19.02	18.99	20.0	4.5
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.89	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				500500	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.00	23.02	22.93		
20	PI2 BPSK	1	53	22.82	22.97	22.96	24.5	0.0
20	PI2 BPSK	1	104	22.89	22.95	22.82		
20	PI2 BPSK	50	0	22.91	22.95	22.92		
20	PI2 BPSK	50	28	22.86	23.00	22.99	24.5	0.0
20	PI2 BPSK	50	56	22.92	22.80	22.48	24.0	0.5
20	PI2 BPSK	100	0	22.46	22.52	22.43	24.0	0.5
20	QPSK	1	1	22.96	23.05	23.00	24.5	0.0
20	QPSK	1	53	22.99	23.02	22.88		
20	QPSK	1	104	22.86	23.00	22.93		
20	QPSK	50	0	22.02	22.10	22.06	23.5	1.0
20	QPSK	50	28	22.92	22.98	22.95	24.5	0.0
20	QPSK	50	56	22.00	22.07	22.02	23.5	1.0
20	QPSK	100	0	21.92	21.99	21.95	23.5	1.0
20	16QAM	1	1	21.72	21.79	21.77	23.5	1.0
20	64QAM	1	1	20.34	20.35	20.29	22.0	2.5
20	256QAM	1	1	18.83	18.88	18.77	20.0	4.5
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.83	23.03	22.97	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	22.94	22.99	22.90	24.5	0.0
Channel				500500	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.93	22.97	22.88	24.5	0.0

n66_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Freq	Power Middle Ch 1 Freq	Power High Ch 1 Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	346000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.26	23.16		
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	158	23.11	23.22	23.10	24.0	0.5
30	PI2 BPSK	80	0	22.89	22.75	22.67		
30	PI2 BPSK	80	40	23.20	23.25	23.23		
30	PI2 BPSK	80	80	22.85	22.73	22.65		
30	PI2 BPSK	160	0	22.80	22.66	22.54	24.0	0.5
30	QPSK	1	1	23.25	23.30	23.26		
30	QPSK	1	80	23.19	23.25	23.12		
30	QPSK	1	158	23.17	23.21	23.17		
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0
30	QPSK	80	40	23.09	23.23	23.22		
30	QPSK	80	80	22.19	22.24	22.20		
30	QPSK	160	0	22.05	22.20	22.15		
30	16QAM	1	1	21.80	21.83	21.86	23.5	1.0
30	64QAM	1	1	20.37	20.48	20.47		
30	256QAM	1	1	19.02	19.05	18.96		
Channel				344000	345000	354000	24.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.08	23.19	23.16		
Channel				343500	348000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.11	23.22	23.16		
Channel				343000	345000	350500	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.07	23.28	23.23		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.08	23.18	23.18		

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Freq	Power Middle Ch 1 Freq	Power High Ch 1 Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	346000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10		
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04	24.0	0.5
30	PI2 BPSK	80	0	22.66	22.61	22.59		
30	PI2 BPSK	80	40	23.18	23.22	23.11		
30	PI2 BPSK	80	80	22.58	22.61	22.57		
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0
30	QPSK	1	1	22.17	22.27	22.15		
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.15	22.17	22.20	24.5	0.0
30	QPSK	80	40	23.05	23.21	23.13		
30	QPSK	80	80	22.09	22.12	22.18		
30	QPSK	160	0	21.98	22.10	22.11		
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0
30	64QAM	1	1	20.27	20.34	20.43		
30	256QAM	1	1	18.92	18.95	18.94		
Channel				344000	345000	354000	24.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.10	23.14	23.10		
Channel				343500	348000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04		
Channel				343000	345000	350500	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.14	22.97		

n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch 1 Freq	Power Middle Ch 1 Freq	Power High Ch 1 Freq	Tune-up limit (dBm)	MPR (dB)
Channel				345000	346000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	22.81	22.90	22.76		
30	PI2 BPSK	1	80	22.86	22.87	22.83	24.0	0.5
30	PI2 BPSK	1	158	22.70	22.85	22.80		
30	PI2 BPSK	80	0	22.39	22.45	22.34		
30	PI2 BPSK	80	40	22.85	22.89	22.80		
30	PI2 BPSK	80	80	22.34	22.42	22.29	24.0	0.5
30	PI2 BPSK	160	0	22.23	22.38	22.24		
30	QPSK	1	1	22.95	22.93	22.93		
30	QPSK	1	80	22.85	22.90	22.76		
30	QPSK	1	158	22.83	22.88	22.77	23.5	1.0
30	QPSK	80	0	21.84	21.96	21.91		
30	QPSK	80	40	22.75	22.90	22.79		
30	QPSK	80	80	21.91	21.92	21.87		
30	QPSK	160	0	21.80	21.90	21.87	23.5	1.0
30	16QAM	1	1	21.62	21.70	21.56		
30	64QAM	1	1	20.17	20.31	20.26		
30	256QAM	1	1	18.81	18.83	18.79		
Channel				344000	345000	354000	24.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.72	22.82	22.68		
Channel				343500	348000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.75	22.82	22.76		
Channel				343000	345000	350500	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.85	22.92	22.81		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.77	22.83	22.74		

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100		
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0
15	PI2 BPSK	1	40	23.12	23.18	23.04		
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	23.07	22.71	23.59	24.0	0.5
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0
15	PI2 BPSK	36	43	22.06	22.87	22.82	24.0	0.5
15	PI2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.25	23.26	23.27		
15	QPSK	1	40	23.17	23.26	23.18	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0
15	QPSK	36	0	21.99	22.06	21.91		
15	QPSK	36	22	23.15	23.25	23.18		
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0
15	QPSK	75	0	22.00	22.06	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				135000	136100	136500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	668.5	669		
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	695.5		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100		
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0
15	PI2 BPSK	1	40	23.18	23.21	23.13		
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.80	22.69	24.0	0.5
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5
15	PI2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.24	23.25	23.25		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.16	22.02		
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				135000	136100	136500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	668.5	669		
10	QPSK	1	1	23.31	23.28	23.27	24.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	695.5		
5	QPSK	1	1	23.30	23.20	23.19	24.5	0.0

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Time up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				3000.00	3700	3840	3600		
100	PSSBPSK	1	1	11.00	11.00	11.00			
100	PSSBPSK	1	132	11.08			12.5	0.0	
100	PSSBPSK	16	3	11.82	11.82	11.82			
100	PSSBPSK	16	94	11.76			12.5	0.0	
100	PSSBPSK	16	138	11.73			12.5	0.0	
100	PSSBPSK	200	0	11.82	11.82	11.82			
100	QPSK	1	1	11.88			12.5	0.0	
100	QPSK	1	137	11.73			12.5	0.0	
100	QPSK	1	271	11.88					
100	QPSK	160	0	11.74			12.5	0.0	
100	QPSK	160	48	11.74			12.5	0.0	
100	QPSK	160	138	11.67			12.5	0.0	
100	QPSK	270	0	11.76			12.5	0.0	
100	QPSK	1	1	11.84			12.5	0.0	
100	25QAM	1	1	11.82	11.82	11.82			
Channel									
Frequency (MHz)				3400.00	3400	3400	3400		
80	QPSK	1	1	11.76	11.81	11.78	12.5	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
80	QPSK	1	1	11.74	11.82	11.77	12.5	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
40	QPSK	1	1	11.72	11.74	11.73	12.5	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
40	QPSK	1	1	11.70	11.72	11.71	12.5	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	11.68	11.69	11.69	12.5	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
20	QPSK	1	1	11.66	11.66	11.66	12.5	0.0	

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Time up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				3700	3840	3600			
100	PSSBPSK	1	1	11.34	11.56	11.53			
100	PSSBPSK	1	137	11.40	11.02	11.44	12.5	0.0	
100	PSSBPSK	1	271	11.43	11.03	11.48			
100	PSSBPSK	16	3	11.45	11.00	11.47	12.5	0.0	
100	PSSBPSK	16	94	11.35	11.38	11.53	12.5	0.0	
100	PSSBPSK	16	138	11.38	11.34	11.57	12.5	0.0	
100	PSSBPSK	200	0	11.24	11.81	11.58			
100	QPSK	1	1	11.40	11.87	11.60			
100	QPSK	1	137	11.36	11.54	11.48	12.5	0.0	
100	QPSK	1	271	11.21	11.27	11.65			
100	QPSK	160	0	11.31	11.63	11.38	12.5	0.0	
100	QPSK	160	48	11.30	11.60	11.57	12.5	0.0	
100	QPSK	160	138	11.27	11.60	11.47	12.5	0.0	
100	QPSK	270	0	11.21	11.60	11.46	12.5	0.0	
100	QPSK	1	1	11.28	11.61	11.46	12.5	0.0	
100	QPSK	1	1	11.32	11.61	11.46	12.5	0.0	
100	25QAM	1	1	11.32	11.47	11.46			
Channel									
Frequency (MHz)				3700.00	3840	3600.00			
80	QPSK	1	1	11.41	11.81	11.56	12.5	0.0	
Channel									
Frequency (MHz)				3700.00	3840	3600.00			
80	QPSK	1	1	11.39	11.80	11.52	12.5	0.0	
Channel									
Frequency (MHz)				3700	3840	3600			
40	QPSK	1	1	11.27	11.47	11.36	12.5	0.0	
Channel									
Frequency (MHz)				3700.00	3840	3600.00			
40	QPSK	1	1	11.25	11.45	11.34	12.5	0.0	
Channel									
Frequency (MHz)				3700.00	3840	3600.00			
20	QPSK	1	1	11.24	11.44	11.33	12.5	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Time up (ms)	MFR	
Channel									
Frequency (MHz)				3000.00	3700	3840	3600		
100	PSSBPSK	1	1	11.07					
100	PSSBPSK	1	132	11.87			23.0	0.0	
100	PSSBPSK	1	271	12.05					
100	PSSBPSK	16	3	11.90			23.0	0.0	
100	PSSBPSK	16	94	11.96			23.0	0.0	
100	PSSBPSK	16	138	12.48			23.0	0.0	
100	PSSBPSK	200	0	12.00			23.0	0.0	
100	QPSK	1	1	12.14			23.0	0.0	
100	QPSK	1	137	12.00			23.0	0.0	
100	QPSK	1	271	12.07					
100	QPSK	160	0	12.00			23.0	0.0	
100	QPSK	160	48	12.00			23.0	0.0	
100	QPSK	160	138	12.00			23.0	0.0	
100	QPSK	270	0	12.00			23.0	0.0	
100	QPSK	1	1	12.01			23.0	0.0	
100	QPSK	1	1	12.00			23.0	0.0	
100	25QAM	1	1	12.01			18.5	4.5	
100	25QAM	1	1	12.01			18.5	4.5	
Channel									
Frequency (MHz)				3400.00	3400	3400	3400		
80	QPSK	1	1	12.07	12.08	12.06	23.0	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
80	QPSK	1	1	12.05	12.05	12.03	23.0	0.0	
Channel									
Frequency (MHz)				3400.00	3400.00	3400.00			
40	QPSK	1	1	12.02	12.04	12.03	23.0	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
40	QPSK	1	1	12.00	12.02	12.01	23.0	0.0	
Channel									
Frequency (MHz)				3400	3400.00	3400.00			
20	QPSK	1	1	12.00	12.00	12.00	23.0	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Ch. 1 (T _{Frame})	Frame Rate Ch. 1 (F _{Frame})	Frame Rate Ch. 2 (F _{Frame})	Time up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				3700	3840	3600			
100	PSSBPSK	1	1	12.17	12.09	12.17			
100	PSSBPSK	1	132	12.15	12.27	12.35	23.0	0.0	
100	PSSBPSK	1	271	12.24	12.28	12.31			
100	PSSBPSK	16	3	12.18	12.60	12.10	23.0	0.0	
100	PSSBPSK	16	94	12.07	12.26	12.10	23.0	0.0	
100	PSSBPSK	16	138	12.10	12.73	12.63	23.0	0.0	
100	PSSBPSK	200	0	12.17	12.10	12.61			
100	QPSK	1	1	12.19	12.30	12.11			
100	QPSK	1	137	12.15	12.20	12.18	23.0	0.0	
100	QPSK	1	271	12.15					
100	QPSK	16	3	12.18	12.60	12.10	23.0	0.0	
100	QPSK	16	94	12.07	12.26	12.10	23.0	0.0	
100	QPSK	16	138	12.10	12.73	12.63	23.0	0.0	
100	QPSK	200	0	12.17	12.10	12.61			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15	12.15			
100	QPSK	128	0	12.15	12.15				

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Frame Time Co. 1 (T _{Frame})	Frame Rate Co. 1 (F _{Frame})	Frame Rate Co. 2 (F _{Frame})	Time up (ms)	MFR (dB)	
Channel				3000					
Frequency (MHz)				3000					
100	PSSBPSK	1	1	22.00	22.74	23.48			
100	PSSBPSK	1	137	22.00	22.74	23.48			
100	PSSBPSK	1	271	22.00	22.74	23.48	23.0	0.0	
100	PSSBPSK	16	5	22.07	22.68	22.81	22.5	0.5	
100	PSSBPSK	16	95	22.06	22.69	22.78	22.0	0.0	
100	PSSBPSK	126	138	22.03	22.67	22.54	22.5	0.5	
100	PSSBPSK	200	5	22.00	22.74	23.48	22.5	0.5	
100	QPSK	1	1	22.04	22.70	23.40			
100	QPSK	1	137	22.07	22.68	22.81	23.0	0.0	
100	QPSK	1	271	22.00	22.74	23.48			
100	QPSK	120	5	22.06	22.69	22.78	22.0	1.0	
100	QPSK	120	95	22.00	22.74	23.48	22.0	0.0	
100	QPSK	126	138	22.07	22.68	22.81	22.5	1.0	
100	QPSK	200	5	22.04	22.70	23.40	22.5	1.0	
100	16QAM	1	1	22.00	22.74	23.48	22.5	2.0	
100	256QAM	1	1	19.97	19.95	19.95	19.5	4.5	
Channel				3000					
Frequency (MHz)				3000					
80	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
80	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.0	0.0	
Channel				3000					
Frequency (MHz)				3000					
40	QPSK	1	1	22.00	22.74	23.48	22.5	0.0	
Channel				3000					

Reduced Power Mode for ECI 15

n2_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mode Ch. (Freq)	Power High Ch. (Freq)	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI2 BPSK	1	1	17.00	17.06	17.13	
20	PI2 BPSK	1	53	17.07	17.18	17.14	18.5
20	PI2 BPSK	1	104	17.26	17.07	17.08	
20	PI2 BPSK	50	0	17.03	17.14	17.07	18.5
20	PI2 BPSK	50	28	17.06	17.10	17.03	18.5
20	PI2 BPSK	50	56	17.03	17.08	17.04	18.5
20	PI2 BPSK	100	0	17.11	17.04	17.02	
20	QPSK	1	1	16.15	17.10	17.16	
20	QPSK	1	53	17.09	17.11	17.11	18.5
20	QPSK	1	104	17.10	17.14	17.12	
20	QPSK	50	0	17.06	17.06	17.08	18.5
20	QPSK	50	28	17.08	17.17	17.12	18.5
20	QPSK	50	56	16.97	17.15	17.06	18.5
20	QPSK	100	0	17.01	17.15	17.03	
20	16QAM	1	1	17.06	17.12	17.14	18.5
20	64QAM	1	1	17.06	17.15	17.13	18.5
20	256QAM	1	1	17.09	17.18	17.09	18.5
Channel				371000	376000	380000	
Frequency (MHz)				1867.5	1880	1902.5	
15	QPSK	1	1	16.98	17.05	17.05	18.5
Channel				371000	376000	381000	
Frequency (MHz)				1865	1880	1905	
10	QPSK	1	1	16.83	17.01	16.99	18.5
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	16.91	17.01	17.04	18.5

n2_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mode Ch. (Freq)	Power High Ch. (Freq)	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI2 BPSK	1	1	22.68	22.70	22.68	
20	PI2 BPSK	1	53	22.68	22.64	22.53	24.5
20	PI2 BPSK	1	104	22.71	22.75	22.87	
20	PI2 BPSK	50	0	22.21	22.21	22.05	24.0
20	PI2 BPSK	50	28	22.58	22.66	22.65	24.5
20	PI2 BPSK	50	56	22.05	22.25	22.17	24.0
20	PI2 BPSK	100	0	22.24	22.19	22.15	
20	QPSK	1	1	22.81	22.90	22.76	
20	QPSK	1	53	22.87	22.79	22.88	24.5
20	QPSK	1	104	22.74	22.82	22.71	
20	QPSK	50	0	21.56	21.63	21.56	23.5
20	QPSK	50	28	21.58	22.62	22.57	24.5
20	QPSK	50	56	21.70	21.68	21.76	23.5
20	QPSK	100	0	21.63	21.75	21.59	
20	16QAM	1	1	21.55	21.58	21.53	23.5
20	64QAM	1	1	20.05	20.10	20.02	22.0
20	256QAM	1	1	18.49	18.57	18.65	20.0
Channel				371000	376000	380000	
Frequency (MHz)				1867.5	1880	1902.5	
15	QPSK	1	1	22.86	22.88	22.64	24.5
Channel				371000	376000	381000	
Frequency (MHz)				1865	1880	1905	
10	QPSK	1	1	22.74	22.78	22.68	24.5
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	22.83	22.82	22.75	24.5

n2_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mode Ch. (Freq)	Power High Ch. (Freq)	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI2 BPSK	1	1	16.98	17.16	17.06	
20	PI2 BPSK	1	53	17.11	17.13	17.08	18.5
20	PI2 BPSK	1	104	17.26	17.04	17.07	
20	PI2 BPSK	50	0	17.02	17.18	17.01	18.5
20	PI2 BPSK	50	28	17.06	17.18	17.07	18.5
20	PI2 BPSK	50	56	17.05	17.09	16.97	18.5
20	PI2 BPSK	100	0	17.06	17.16	17.08	
20	QPSK	1	1	16.15	17.10	17.16	
20	QPSK	1	53	16.97	17.06	17.09	18.5
20	QPSK	1	104	17.06	17.08	17.04	
20	QPSK	50	0	17.08	17.13	17.00	18.5
20	QPSK	50	28	17.10	17.16	17.07	18.5
20	QPSK	50	56	17.08	17.09	17.02	18.5
20	QPSK	100	0	16.98	17.11	17.05	
20	16QAM	1	1	17.09	17.05	16.97	18.5
20	64QAM	1	1	17.10	17.11	17.06	18.5
20	256QAM	1	1	17.06	17.12	17.01	18.5
Channel				371000	376000	380000	
Frequency (MHz)				1867.5	1880	1902.5	
15	QPSK	1	1	16.98	17.13	16.96	18.5
Channel				371000	376000	381000	
Frequency (MHz)				1865	1880	1905	
10	QPSK	1	1	17.07	17.12	17.05	18.5
Channel				370500	376000	381500	
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	17.08	17.04	16.97	18.5

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High	
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	Ch. / Freq.
Channel				166800	167300	167800	Tune-up limit (dBm)		
Frequency (MHz)				834	836.5	839	MPR (dB)		
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0	0.0	
20	PI2 BPSK	1	53	23.49	23.66	23.66			
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5	
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.96	23.08	22.95	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.03	22.94	25.0	0.0	
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.38	23.56	23.55			
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0	
20	QPSK	50	0	22.36	22.71	22.59			
20	QPSK	50	28	23.45	23.62	23.45			
20	QPSK	50	56	22.30	22.46	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	64QAM	1	1	21.00	21.00	20.94			
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	166800	Tune-up limit (dBm)		
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)		
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844	MPR (dB)		
10	QPSK	1	1	23.59	23.59	23.57	25.0	0.0	
Channel				166300	167300	166300	Tune-up limit (dBm)		
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)		
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	
20	PI2 BPSK	1	53	23.42	23.53	23.51			
20	PI2 BPSK	1	104	23.38	23.36	23.46			
20	PI2 BPSK	50	0	22.95	23.05	23.04	24.5	0.5	
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0	
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5	
20	PI2 BPSK	100	0	22.87	23.02	22.91	25.0	0.0	
20	QPSK	1	1	23.61	23.56	23.55			
20	QPSK	1	53	23.35	23.50	23.46			
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0	
20	QPSK	50	0	22.48	22.37	22.52			
20	QPSK	50	28	23.38	23.52	23.42			
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0	
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	
20	16QAM	1	1	22.31	22.38	22.37			
20	64QAM	1	1	20.89	20.96	20.89			
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5	
Channel				166300	167300	166300	Tune-up limit (dBm)		
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)		
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844	MPR (dB)		
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	
Channel				166300	167300	166300	Tune-up limit (dBm)		
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)		
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0	

n7_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mode Ch. (Freq)	Power High Ch. (Freq)	
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	16.48	16.53	16.51	
20	PI2 BPSK	1	53	16.47	16.58	16.53	18.0
20	PI2 BPSK	1	104	16.39	16.56	16.49	
20	PI2 BPSK	50	0	16.48	16.54	16.60	18.0
20	PI2 BPSK	50	28	16.50	16.65	16.51	18.0
20	PI2 BPSK	50	56	16.08	16.60	16.57	18.0
20	PI2 BPSK	100	0	16.47	16.66	16.46	
20	QPSK	1	1	16.55	16.56	16.51	
20	QPSK	1	53	16.56	16.63	16.46	18.0
20	QPSK	1	104	16.47	16.64	16.49	
20	QPSK	50	0	16.06	16.61	16.48	18.0
20	QPSK	50	28	16.57	16.66	16.56	18.0
20	QPSK	50	56	16.46	16.57	16.53	18.0
20	QPSK	100	0	16.50	16.60	16.52	
20	16QAM	1	1	16.50	16.58	16.54	18.0
20	64QAM	1	1	16.46	16.62	16.56	18.0
20	256QAM	1	1	16.50	16.61	16.60	18.0
Channel				507000	507000	512000	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	16.37	16.64	16.46	18.0
Channel				501000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	16.45	16.58	16.46	18.0
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	16.37	16.53	16.51	18.0

n7_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	23.05	23.17	23.10	
20	PI2 BPSK	1	53	23.01	23.06	23.09	24.5
20	PI2 BPSK	1	104	23.04	23.17	23.06	
20	PI2 BPSK	50	0	22.58	22.61	22.46	24.0
20	PI2 BPSK	50	28	23.00	23.05	23.07	24.5
20	PI2 BPSK	50	56	22.55	22.63	22.45	24.0
20	PI2 BPSK	100	0	22.60	22.56	22.49	
20	QPSK	1	1	23.11	23.20	23.16	
20	QPSK	1	53	23.06	23.13	23.05	24.5
20	QPSK	1	104	22.95	23.19	23.11	
20	QPSK	50	0	22.20	22.23	22.11	23.5
20	QPSK	50	28	22.98	23.05	23.03	24.5
20	QPSK	50	56	22.00	22.02	21.96	23.5
20	QPSK	100	0	22.07	22.13	22.11	
20	16QAM	1	1	21.96	22.00	21.97	23.5
20	64QAM	1	1	20.47	20.56	20.47	22.0
20	256QAM	1	1	19.03	19.02	18.99	20.0
Channel				501500	507000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.99	23.07	23.04	24.5
Channel				501000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.01	23.07	23.03	24.5
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	22.99	23.15	23.04	24.5

n7_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mode Ch. (Freq)	Power High Ch. (Freq)	
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI2 BPSK	1	1	16.44	16.38	16.46	
20	PI2 BPSK	1	53	16.47	16.48	16.42	18.0
20	PI2 BPSK	1	104	16.39	16.45	16.51	
20	PI2 BPSK	50	0	16.36	16.48	16.51	18.0
20	PI2 BPSK	50	28	16.39	16.47	16.39	18.0
20	PI2 BPSK	50	56	16.46	16.50	16.43	18.0
20	PI2 BPSK	100	0	16.43	16.56	16.51	
20	QPSK	1	1	16.55	16.59	16.52	
20	QPSK	1	53	16.49	16.49	16.41	18.0
20	QPSK	1	104	16.47	16.50	16.40	
20	QPSK	50	0	16.40	16.52	16.37	18.0
20	QPSK	50	28	16.47	16.56	16.43	18.0
20	QPSK	50	56	16.46	16.49	16.40	18.0
20	QPSK	100	0	16.41	16.53	16.42	
20	16QAM	1	1	16.49	16.50	16.49	18.0
20	64QAM	1	1	16.45	16.51	16.44	18.0
20	256QAM	1	1	16.46	16.50	16.48	18.0
Channel				507000	507000	512000	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	16.41	16.58	16.47	18.0
Channel				501000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	16.44	16.51	16.44	18.0
Channel				500500	507000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	16.39	16.50	16.44	18.0

n66_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	1	23.15	23.26	23.16	
30	PI2 BPSK	1	80	23.17	23.20	23.19	24.5
30	PI2 BPSK	1	158	23.11	23.22	23.10	
30	PI2 BPSK	80	0	22.69	22.75	22.67	24.0
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0
30	PI2 BPSK	100	0	22.80	22.86	22.54	
30	QPSK	1	1	23.26	23.30	23.24	
30	QPSK	1	80	23.19	23.25	23.12	24.5
30	QPSK	1	158	23.17	23.21	23.17	
30	QPSK	80	0	22.16	22.22	22.21	23.5
30	QPSK	80	40	23.09	23.23	23.22	24.5
30	QPSK	80	80	22.19	22.24	22.20	23.5
30	QPSK	160	0	22.05	22.20	22.15	
30	16QAM	1	1	21.80	21.93	21.86	23.5
30	64QAM	1	1	20.37	20.48	20.47	22.0
30	256QAM	1	1	18.02	18.05	18.86	20.0
Channel				345000	349000	349000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.08	23.19	23.16	24.5
Channel				343500	349000	345000	
Frequency (MHz)				1717.5	1745	1772.5	
18	QPSK	1	1	23.11	23.22	23.16	24.5
Channel				342000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.07	23.28	23.23	24.5
Channel				342500	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.08	23.18	23.18	24.5

n66_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	1	23.01	23.22	23.10	
30	PI2 BPSK	1	80	23.04	23.16	23.16	24.5
30	PI2 BPSK	1	158	23.02	23.19	23.04	
30	PI2 BPSK	80	0	22.66	22.61	22.59	24.0
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5
30	PI2 BPSK	80	80	22.68	22.61	22.67	24.0
30	PI2 BPSK	160	0	22.49	22.56	22.52	
30	QPSK	1	1	23.17	23.27	23.14	
30	QPSK	1	80	23.15	23.21	23.08	24.5
30	QPSK	1	158	23.08	23.18	23.06	
30	QPSK	80	0	22.15	22.17	22.20	23.5
30	QPSK	80	40	23.05	23.21	23.13	24.5
30	QPSK	80	80	22.09	22.12	22.18	23.5
30	QPSK	160	0	21.98	22.10	22.11	
30	16QAM	1	1	21.76	21.85	21.82	23.5
30	64QAM	1	1	20.27	20.34	20.43	22.0
30	256QAM	1	1	18.92	18.95	18.94	20.0
Channel				347000	349000	350000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.10	23.14	23.10	24.5
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
18	QPSK	1	1	23.02	23.24	23.04	24.5
Channel				343000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.15	23.22	23.05	24.5
Channel				342000	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.10	23.14	22.97	24.5

n66_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	1	15.81	15.84	15.87	
30	PI2 BPSK	1	80	15.82	15.88	15.75	17.5
30	PI2 BPSK	1	158	15.86	15.85	15.85	
30	PI2 BPSK	80	0	15.83	15.83	15.78	17.5
30	PI2 BPSK	80	40	15.89	15.97	15.87	17.5
30	PI2 BPSK	80	80	15.87	15.84	15.76	17.5
30	PI2 BPSK	100	0	15.81	15.95	15.78	
30	QPSK	1	1	15.84	15.96	15.90	
30	QPSK	1	80	15.86	15.84	15.76	17.5
30	QPSK	1	158	15.91	15.91	15.84	
30	QPSK	80	0	15.77	15.84	15.82	17.5
30	QPSK	80	40	15.88	15.95	15.87	17.5
30	QPSK	80	80	15.84	15.82	15.80	17.5
30	QPSK	160	0	15.82	15.90	15.84	
30	16QAM	1	1	15.80	15.86	15.88	17.5
30	64QAM	1	1	15.86	15.86	15.87	17.5
30	256QAM	1	1	15.80	15.96	15.84	17.5
Channel				345000	349000	349000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	15.79	15.72	15.74	17.5
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
18	QPSK	1	1	15.69	15.74	15.64	17.5
Channel				342000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	15.77	15.80	15.66	17.5
Channel				342500	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	15.66	15.70	15.62	17.5

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0	
15	PI2 BPSK	1	40	23.12	23.18	23.04			
15	PI2 BPSK	1	77	23.18	23.17	23.10			
15	PI2 BPSK	36	0	22.67	22.71	22.59	24.0	0.5	
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	PI2 BPSK	36	43	22.66	22.67	22.62	24.0	0.5	
15	PI2 BPSK	75	0	22.72	22.73	22.77	24.5	0.0	
15	QPSK	1	1	23.25	23.26	23.21			
15	QPSK	1	40	23.17	23.25	23.18			
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0	
15	QPSK	36	0	21.99	22.06	21.91			
15	QPSK	36	22	23.15	23.25	23.18			
15	QPSK	36	43	22.09	22.10	22.06	23.5	1.0	
15	QPSK	75	0	22.09	22.08	22.06	23.5	1.0	
15	16QAM	1	1	21.96	22.01	22.05			
15	64QAM	1	1	20.51	20.55	20.37		2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				135.100	137.100	139.100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.16	23.19	23.25		24.5	
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.17	23.19	23.23		24.5	

n71_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	PI2 BPSK	1	40	23.18	23.21	23.13			
15	PI2 BPSK	1	77	23.26	23.26	23.13			
15	PI2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	PI2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5	
15	PI2 BPSK	75	0	22.73	22.85	22.82	24.5	0.0	
15	QPSK	1	1	23.14	23.19	23.15			
15	QPSK	1	40	23.26	23.32	23.22			
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.16	22.02			
15	QPSK	36	22	23.27	23.28	23.25			
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.10	22.16	23.5	1.0	
15	16QAM	1	1	22.06	22.15	22.10			
15	64QAM	1	1	20.60	20.63	20.48		2.5	
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				135.100	137.100	139.100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669	680.5	693			
10	QPSK	1	1	23.31	23.38	23.27		24.5	
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.30	23.20	23.19		24.5	

FCC_n41_Ant 1									
SV [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-on Rate [dB/s]	MFR [dB]	
Channel									
Frequency [MHz]									
180	PSSBPSK	1	1	15.84	15.75	15.87			
180	PSSBPSK	1	137	15.87	15.75	15.75	17.5	0.0	
180	PSSBPSK	1	271	15.84	15.89	15.74			
180	PSSBPSK	136	0	15.85	15.85	15.89	17.5	0.0	
180	PSSBPSK	136	66	15.85	15.81	15.89	17.5	0.0	
180	PSSBPSK	136	136	15.87	15.81	15.89	17.5	0.0	
180	PSSBPSK	270	0	15.89	15.89	15.89	17.5	0.0	
180	QPSK	1	1	15.86	15.72	15.86			
180	QPSK	1	137	15.87	15.75	15.77	17.5	0.0	
180	QPSK	1	271	15.84	15.75	15.79			
180	QPSK	136	0	15.87	15.89	15.73	17.5	0.0	
180	QPSK	136	66	15.85	15.74	15.74	17.5	0.0	
180	QPSK	136	136	15.88	15.71	15.75	17.5	0.0	
180	QPSK	270	0	15.87	15.87	15.85			
180	16QAM	1	1	15.89	15.79	15.79	17.5	0.0	
180	256QAM	1	1	15.86	15.72	15.86			
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.83	15.84	15.84	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.84	15.84	15.82	17.5	0.0	
Channel									
Frequency [MHz]									
75	QPSK	1	1	15.88	15.84	15.85	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.87	15.73	15.73	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.87	15.73	15.73	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.87	15.73	15.73	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.85	15.89	15.89	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.85	15.83	15.83	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.85	15.84	15.83	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.83	15.81	15.81	17.5	0.0	

FCC_n41_Ant 2									
SV [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-up Rate [dB/s]	MFR [dB]	
Channel									
Frequency [MHz]									
180	PSSBPSK	1	1	24.74	24.67	24.68			
180	PSSBPSK	1	137	24.63	24.71	24.74	20.0		
180	PSSBPSK	1	271	24.75	24.76	24.63			
180	PSSBPSK	136	0	24.68	24.73	24.75	20.0		
180	PSSBPSK	136	66	24.65	24.56	24.72	20.0		
180	PSSBPSK	136	136	24.64	24.73	24.71	20.0	0.0	
180	PSSBPSK	270	0	24.62	24.70	24.26	20.0		
180	QPSK	1	1	24.68	24.62	24.68			
180	QPSK	1	137	24.65	24.68	24.65	20.0		
180	QPSK	1	271	24.75	24.65	24.61			
180	QPSK	136	0	24.69	24.62	24.67	20.0	1.0	
180	QPSK	136	66	24.74	24.64	24.72	20.0	0.0	
180	QPSK	136	136	24.62	24.60	24.62	20.0	1.0	
180	QPSK	270	0	24.69	24.63	24.60	20.0	1.0	
180	16QAM	1	1	24.69	24.62	24.62	20.0	1.0	
180	16QAM	1	1	24.68	24.66	24.67	20.0	1.0	
180	256QAM	1	1	24.63	24.65	24.70	20.0	1.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.62	24.65	24.70	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.75	24.61	24.63	20.0		
Channel									
Frequency [MHz]									
75	QPSK	1	1	24.67	24.67	24.60	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.68	24.70	24.68	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.65	24.63	24.63	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.63	24.61	24.61	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.62	24.53	24.57	20.0		
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.71	24.65	24.57	20.0		

FCC_n41_Ant 4									
SV [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-up Rate [dB/s]	MFR [dB]	
Channel									
Frequency [MHz]									
180	PSSBPSK	1	1	15.86	15.84	15.74			
180	PSSBPSK	1	137	15.84	15.75	15.73	17.5	0.0	
180	PSSBPSK	1	271	15.85	15.77	15.69			
180	PSSBPSK	136	0	15.87	15.75	15.73	17.5	0.0	
180	PSSBPSK	136	66	15.83	15.80	15.73	17.5	0.0	
180	PSSBPSK	136	136	15.85	15.83	15.85	17.5	0.0	
180	PSSBPSK	270	0	15.87	15.75	15.73	17.5	0.0	
180	QPSK	1	1	15.85	15.85	15.85			
180	QPSK	1	137	15.86	15.74	15.67	17.5	0.0	
180	QPSK	1	271	15.82	15.80	15.71			
180	QPSK	136	0	15.81	15.75	15.71	17.5	0.0	
180	QPSK	136	66	15.81	15.81	15.71	17.5	0.0	
180	QPSK	136	136	15.84	15.81	15.71	17.5	0.0	
180	QPSK	270	0	15.81	15.73	15.65			
180	16QAM	1	1	15.85	15.80	15.72	17.5	0.0	
180	16QAM	1	1	15.86	15.80	15.74	17.5	0.0	
180	256QAM	1	1	15.86	15.75	15.71	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.84	15.72	15.75	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.83	15.68	15.74	17.5	0.0	
Channel									
Frequency [MHz]									
75	QPSK	1	1	15.86	15.69	15.67	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.85	15.76	15.72	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.82	15.69	15.69	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.84	15.71	15.75	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.77	15.70	15.70	17.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	15.82	15.72	15.67	17.5	0.0	

Part27Q_n77_Ant 5									
RF [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.00	22.04	21.96			
100	P12 BPSK	1	137	22.00	22.19	21.77	23.0	0.0	
100	P12 BPSK	1	271	22.00	22.21	21.79	23.0	0.0	
100	P12 BPSK	100	0	22.07	21.83	22.37	23.0	0.0	
100	P12 BPSK	100	66	22.00	22.00	21.99	23.0	0.0	
100	P12 BPSK	100	138	22.00	22.00	21.99	23.0	0.0	
100	P12 BPSK	270	0	22.00	22.00	21.99	23.0	0.0	
100	QPSK	1	1	22.00	22.00	21.99			
100	QPSK	1	137	22.00	22.00	21.99	23.0	0.0	
100	QPSK	1	271	22.00	22.00	21.99	23.0	0.0	
100	QPSK	100	0	22.00	22.00	21.99	23.0	0.0	
100	QPSK	100	66	22.00	22.00	21.99	23.0	0.0	
100	QPSK	100	138	22.00	22.00	21.99	23.0	0.0	
100	QPSK	270	0	22.00	22.00	21.99	23.0	0.0	
100	16QAM	1	1	21.99	22.00	21.99	23.0	0.0	
100	16QAM	1	137	21.99	22.00	21.99	23.0	0.0	
100	16QAM	1	271	21.99	22.00	21.99	23.0	0.0	
100	16QAM	100	0	21.99	22.00	21.99	23.0	0.0	
100	16QAM	100	66	21.99	22.00	21.99	23.0	0.0	
100	16QAM	100	138	21.99	22.00	21.99	23.0	0.0	
100	16QAM	270	0	21.99	22.00	21.99	23.0	0.0	
100	256QAM	1	1	21.99	22.00	21.99	23.0	0.0	
100	256QAM	1	137	21.99	22.00	21.99	23.0	0.0	
100	256QAM	1	271	21.99	22.00	21.99	23.0	0.0	
100	256QAM	100	0	21.99	22.00	21.99	23.0	0.0	
100	256QAM	100	66	21.99	22.00	21.99	23.0	0.0	
100	256QAM	100	138	21.99	22.00	21.99	23.0	0.0	
100	256QAM	270	0	21.99	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	

Part27Q_n77_Ant 5									
RF [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.00	22.04	21.96			
100	P12 BPSK	1	137	22.19	21.99	21.77	23.0	0.0	
100	P12 BPSK	1	271	22.21	21.79	21.60	23.0	0.0	
100	P12 BPSK	100	0	21.83	21.83	21.37	23.0	0.0	
100	P12 BPSK	100	66	22.00	21.99	21.99	23.0	0.0	
100	P12 BPSK	100	138	21.97	21.94	21.90	23.0	0.0	
100	P12 BPSK	270	0	21.97	21.94	21.90	23.0	0.0	
100	QPSK	1	1	22.00	22.00	21.99			
100	QPSK	1	137	22.19	21.99	21.76	23.0	0.0	
100	QPSK	1	271	22.21	21.88	21.88	23.0	0.0	
100	QPSK	100	0	21.83	21.80	21.80	23.0	0.0	
100	QPSK	100	66	22.00	21.99	21.97	23.0	0.0	
100	QPSK	100	138	21.97	21.90	21.90	23.0	0.0	
100	QPSK	270	0	21.97	21.90	21.90	23.0	0.0	
100	16QAM	1	1	21.97	21.97	21.90	23.0	0.0	
100	16QAM	1	137	21.97	21.90	21.80	23.0	0.0	
100	16QAM	1	271	21.97	21.80	21.80	23.0	0.0	
100	16QAM	100	0	21.97	21.90	21.80	23.0	0.0	
100	16QAM	100	66	21.97	21.90	21.80	23.0	0.0	
100	16QAM	100	138	21.97	21.90	21.80	23.0	0.0	
100	16QAM	270	0	21.97	21.90	21.80	23.0	0.0	
100	256QAM	1	1	21.97	21.90	21.80	23.0	0.0	
100	256QAM	1	137	21.97	21.90	21.80	23.0	0.0	
100	256QAM	1	271	21.97	21.80	21.80	23.0	0.0	
100	256QAM	100	0	21.97	21.90	21.80	23.0	0.0	
100	256QAM	100	66	21.97	21.90	21.80	23.0	0.0	
100	256QAM	100	138	21.97	21.90	21.80	23.0	0.0	
100	256QAM	270	0	21.97	21.90	21.80	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	21.99	23.0	0.0	

Part27Q_n77_Ant 7									
RF [MHz]	Modulation	FE Size	FE Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.00	22.04	21.96			
100	P12 BPSK	1	137	22.19	21.99	21.77	24.5	0.0	
100	P12 BPSK	1	271	22.21	21.82	21.60	24.5	0.0	
100	P12 BPSK	100	0	21.83	21.83	21.37	24.5	0.0	
100	P12 BPSK	100	66	22.00	21.99	21.99	24.5	0.0	
100	P12 BPSK	100	138	21.97	21.94	21.90	24.5	0.0	
100	P12 BPSK	270	0	21.97	21.94	21.90	24.5	0.0	
100	QPSK	1	1	22.00	22.00	21.99			
100	QPSK	1	137	22.19	21.99	21.76	24.5	0.0	
100	QPSK	1	271	22.21	21.88	21.88	24.5	0.0	
100	QPSK	100	0	21.83	21.80	21.80	24.5	0.0	
100	QPSK	100	66	22.00	21.99	21.97	24.5	0.0	
100	QPSK	100	138	21.97	21.90	21.90	24.5	0.0	
100	QPSK	270	0	21.97	21.90	21.90	24.5	0.0	
100	16QAM	1	1	21.97	21.97	21.90	24.5	0.0	
100	16QAM	1	137	21.97	21.90	21.80	24.5	0.0	
100	16QAM	1	271	21.97	21.80	21.80	24.5	0.0	
100	16QAM	100	0	21.97	21.90	21.80	24.5	0.0	
100	16QAM	100	66	21.97	21.90	21.80	24.5	0.0	
100	16QAM	100	138	21.97	21.90	21.80	24.5	0.0	
100	16QAM	270	0	21.97	21.90	21.80	24.5	0.0	
100	256QAM	1	1	21.97	21.90	21.80	24.5	0.0	
100	256QAM	1	137	21.97	21.90	21.80	24.5	0.0	
100	256QAM	1	271	21.97	21.80	21.80	24.5	0.0	
100	256QAM	100	0	21.97	21.90	21.80	24.5	0.0	
100	256QAM	100	66	21.97	21.90	21.80	24.5	0.0	
100	256QAM	100	138	21.97	21.90	21.80	24.5	0.0	
100	256QAM	270	0	21.97	21.90	21.80	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.00	21.99	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	21.99	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	21.99	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	21.99	24.5	0.0	

Reduced Power Mode for ECI 16

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	PI/2 BPSK	1	1	15.05	15.05	15.12			
20	PI/2 BPSK	1	53	15.08	15.17	15.12	16.5	0.0	
20	PI/2 BPSK	1	104	15.12	15.06	15.14	16.5	0.0	
20	PI/2 BPSK	50	0	15.00	15.21	15.02	16.5	0.0	
20	PI/2 BPSK	50	28	15.03	15.10	15.01	16.5	0.0	
20	PI/2 BPSK	50	56	15.02	15.04	15.13	16.5	0.0	
20	PI/2 BPSK	100	0	15.12	15.10	14.97	16.5	0.0	
20	QPSK	1	1	15.15	15.15	15.15	16.5	0.0	
20	QPSK	1	53	15.04	15.16	15.10	16.5	0.0	
20	QPSK	1	104	15.10	15.19	15.13	16.5	0.0	
20	QPSK	50	0	15.03	15.04	15.16	16.5	0.0	
20	QPSK	50	28	15.12	15.20	15.17	16.5	0.0	
20	QPSK	50	56	14.98	15.16	15.07	16.5	0.0	
20	QPSK	100	0	15.10	15.15	15.12	16.5	0.0	
20	16QAM	1	1	15.08	15.15	15.20	16.5	0.0	
20	64QAM	1	1	15.04	15.10	15.08	16.5	0.0	
20	256QAM	1	1	15.16	15.27	15.12	16.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1902.5			
15	QPSK	1	1	15.00	15.01	15.14	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	15.09	15.14	15.10	16.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	14.96	15.03	15.17	16.5	0.0	

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	PI/2 BPSK	1	1	22.68	22.70	22.68	24.5	0.0	
20	PI/2 BPSK	1	53	22.68	22.64	22.53			
20	PI/2 BPSK	1	104	22.71	22.75	22.87	24.0	0.5	
20	PI/2 BPSK	50	0	22.21	22.21	22.25	24.0	0.5	
20	PI/2 BPSK	50	28	22.58	22.66	22.65	24.5	0.0	
20	PI/2 BPSK	50	56	22.05	22.25	22.17	24.0	0.5	
20	PI/2 BPSK	100	0	22.24	22.19	22.15	24.0	0.5	
20	QPSK	1	1	22.67	22.69	22.75	24.5	0.0	
20	QPSK	1	53	22.67	22.75	22.68			
20	QPSK	1	104	22.74	22.82	22.71	23.5	1.0	
20	QPSK	50	0	21.56	21.63	21.56	23.5	1.0	
20	QPSK	50	28	22.50	22.62	22.57	24.5	0.0	
20	QPSK	50	56	21.70	21.68	21.76	23.5	1.0	
20	QPSK	100	0	21.63	21.75	21.59	23.5	1.0	
20	16QAM	1	1	21.55	21.58	21.53	23.5	1.0	
20	64QAM	1	1	20.05	20.10	20.02	22.0	2.5	
20	256QAM	1	1	18.49	18.57	18.65	20.0	4.5	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1902.5			
15	QPSK	1	1	22.85	22.88	22.64	24.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.74	22.78	22.69	24.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.83	22.82	22.75	24.5	0.0	

n2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mode Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dbm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1880	1880	1900			
20	PI/2 BPSK	1	1	15.00	15.07	14.95	16.5	0.0	
20	PI/2 BPSK	1	53	15.11	15.04	15.04			
20	PI/2 BPSK	1	104	15.03	15.13	15.06	16.5	0.0	
20	PI/2 BPSK	50	0	15.06	15.03	15.01	16.5	0.0	
20	PI/2 BPSK	50	28	14.98	15.00	15.01	16.5	0.0	
20	PI/2 BPSK	50	56	15.09	15.08	14.97	16.5	0.0	
20	PI/2 BPSK	100	0	15.02	15.09	15.00	16.5	0.0	
20	QPSK	1	1	15.14	15.16	15.10	16.5	0.0	
20	QPSK	1	53	15.06	15.06	15.02			
20	QPSK	1	104	15.04	15.06	15.05	16.5	0.0	
20	QPSK	50	0	15.05	15.07	14.96	16.5	0.0	
20	QPSK	50	28	15.10	15.12	15.08	16.5	0.0	
20	QPSK	50	56	15.03	15.06	15.07	16.5	0.0	
20	QPSK	100	0	15.06	15.10	15.08	16.5	0.0	
20	16QAM	1	1	14.99	15.04	15.07	16.5	0.0	
20	64QAM	1	1	14.99	15.04	15.04	16.5	0.0	
20	256QAM	1	1	15.08	15.07	15.09	16.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1902.5			
15	QPSK	1	1	15.07	15.12	15.05	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	15.09	15.10	15.03	16.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	15.00	15.08	15.00	16.5	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.44	23.52	23.47			
20	PI2 BPSK	1	53	23.49	23.66	23.66	25.0	0.0	
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14		0.5	
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.99	23.08	22.95	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.03	22.94			
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.58	23.56	23.55	25.0	0.0	
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0	
20	QPSK	50	0	22.96	22.71	22.59			
20	QPSK	50	28	23.46	23.62	23.48		0.0	
20	QPSK	50	56	22.80	22.46	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	64QAM	1	1	21.00	21.00	20.94		2.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				167300	167800	168300	25.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.66	23.46		0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.59	23.55	23.57	23.9	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)		
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.58	23.60	23.51	25.0	0.0	

n5_Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				166800	167300	167800	25.0	0.0			
Frequency (MHz)				834	836.5	839					
20	PI/2 BPSK	1	1	23.42	23.48	23.39					
20	PI/2 BPSK	1	53	23.42	23.53	23.51	25.0	0.0			
20	PI/2 BPSK	1	104	23.38	23.56	23.48					
20	PI/2 BPSK	50	0	22.95	23.05	23.04		0.5			
20	PI/2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0			
20	PI/2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5			
20	PI/2 BPSK	100	0	22.87	23.02	22.91					
20	QPSK	1	1	23.51	23.56	23.50					
20	QPSK	1	53	23.35	23.50	23.46	25.0	0.0			
20	QPSK	1	104	23.44	23.53	23.50					
20	QPSK	50	0	22.48	22.57	22.52		1.0			
20	QPSK	50	28	23.39	23.52	23.42	25.0	0.0			
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0			
20	QPSK	100	0	22.36	22.45	22.35					
20	16QAM	1	1	22.31	22.38	22.37		1.0			
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5			
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5			
Channel				165300	167300	169300	25.0	0.0			
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	23.45	23.55	23.53		0.0			
Channel				166800	167300	166800	Tune-up limit				
Frequency (MHz)				829	836.5	844	(dBm)				
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0			
Channel				165300	167300	169300	Tune-up limit				
Frequency (MHz)				826.5	836.5	846.5	(dBm)				
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0			

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	16.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.44	14.48	14.42		
20	PI/2 BPSK	1	53	14.35	14.55	14.50		
20	PI/2 BPSK	1	104	14.37	14.47	14.45	16.0	0.0
20	PI/2 BPSK	50	0	14.35	14.52	14.45	16.0	0.0
20	PI/2 BPSK	50	28	14.49	14.60	14.38	16.0	0.0
20	PI/2 BPSK	50	56	14.51	14.53	14.45	16.0	0.0
20	PI/2 BPSK	100	0	14.35	14.59	14.44	16.0	0.0
20	QPSK	1	1	14.35	14.50	14.50	16.0	0.0
20	QPSK	1	53	14.42	14.45	14.51		
20	QPSK	1	104	14.33	14.52	14.39		
20	QPSK	50	0	14.44	14.51	14.46		
20	QPSK	50	28	14.53	14.57	14.45	16.0	0.0
20	QPSK	50	56	14.38	14.45	14.39	16.0	0.0
20	QPSK	100	0	14.40	14.50	14.43	16.0	0.0
20	16QAM	1	1	14.37	14.54	14.52	16.0	0.0
20	64QAM	1	1	14.39	14.50	14.42	16.0	0.0
20	256QAM	1	1	14.36	14.51	14.48	16.0	0.0
Channel				501500	507000	512000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	16.0	0.0
15	QPSK	1	1	14.43	14.51	14.45	16.0	0.0
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	16.0	0.0
10	QPSK	1	1	14.43	14.51	14.42	16.0	0.0
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	16.0	0.0
5	QPSK	1	1	14.45	14.40	14.39	16.0	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.05	23.17	23.10		
20	PI/2 BPSK	1	53	23.01	23.06	23.09		
20	PI/2 BPSK	1	104	23.04	23.17	23.05	24.0	0.5
20	PI/2 BPSK	50	0	22.98	22.91	22.46	24.0	0.5
20	PI/2 BPSK	50	28	23.00	23.05	23.07	24.5	0.0
20	PI/2 BPSK	50	56	22.95	22.63	22.45	24.0	0.5
20	PI/2 BPSK	100	0	22.80	22.56	22.49	24.5	0.0
20	QPSK	1	1	22.11	22.20	22.15		
20	QPSK	1	53	23.05	23.15	23.05		
20	QPSK	1	104	22.95	23.19	23.11		
20	QPSK	50	0	22.20	22.23	22.11	23.5	1.0
20	QPSK	50	28	22.95	23.05	23.03	24.5	0.0
20	QPSK	50	56	22.00	22.02	21.95	23.5	1.0
20	QPSK	100	0	22.07	22.15	22.11	23.5	1.0
20	16QAM	1	1	21.96	22.00	21.97		
20	64QAM	1	1	20.47	20.55	20.47		
20	256QAM	1	1	19.03	19.02	18.99		
Channel				501000	507000	512000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.99	23.07	23.04	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	23.01	23.07	23.03	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.99	23.15	23.04	24.5	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				502000	507000	512000	16.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.36	14.38	14.37		
20	PI/2 BPSK	1	53	14.38	14.39	14.32		
20	PI/2 BPSK	1	104	14.39	14.45	14.43	16.0	0.0
20	PI/2 BPSK	50	0	14.34	14.42	14.45	16.0	0.0
20	PI/2 BPSK	50	28	14.35	14.48	14.42	16.0	0.0
20	PI/2 BPSK	50	56	14.40	14.51	14.38	16.0	0.0
20	PI/2 BPSK	100	0	14.32	14.51	14.42	16.0	0.0
20	QPSK	1	1	14.35	14.50	14.47		
20	QPSK	1	53	14.35	14.50	14.40		
20	QPSK	1	104	14.43	14.43	14.39		
20	QPSK	50	0	14.37	14.42	14.38	16.0	0.0
20	QPSK	50	28	14.40	14.45	14.42	16.0	0.0
20	QPSK	50	56	14.35	14.44	14.36	16.0	0.0
20	QPSK	100	0	14.31	14.44	14.32	16.0	0.0
20	16QAM	1	1	14.45	14.38	14.39		
20	64QAM	1	1	14.41	14.51	14.43		
20	256QAM	1	1	14.35	14.41	14.41		
Channel				501500	507000	512000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	16.0	0.0
15	QPSK	1	1	14.38	14.34	14.42	16.0	0.0
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	16.0	0.0
10	QPSK	1	1	14.31	14.36	14.32	16.0	0.0
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	16.0	0.0
5	QPSK	1	1	14.30	14.29	14.29	16.0	0.0

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				345000	348000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.26	23.16		
30	PI2 BPSK	1	80	23.17	23.20	23.19	24.5	0.0
30	PI2 BPSK	1	158	23.11	23.22	23.10	24.0	0.5
30	PI2 BPSK	80	0	22.66	22.75	22.67	24.0	0.0
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.65	22.73	22.65	24.0	0.0
30	PI2 BPSK	160	0	22.60	22.66	22.54	24.0	0.5
30	QPSK	1	1	23.24	23.26	23.24	24.5	0.0
30	QPSK	1	80	23.19	23.25	23.12		
30	QPSK	1	158	23.17	23.21	23.17		
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0
30	QPSK	80	40	23.09	23.23	23.22	24.5	0.0
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.05	22.20	22.15	23.5	1.0
30	16QAM	1	1	21.80	21.93	21.86	23.5	1.0
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5
30	256QAM	1	1	18.02	18.05	18.96	20.0	4.5
Channel				345000	348000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0
Channel				343500	348000	354500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	348000	355000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342500	348000	355500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.10	23.18	23.18	24.5	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				345000	348000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10		
30	PI2 BPSK	1	80	23.04	23.16	23.16	24.5	0.0
30	PI2 BPSK	1	158	23.02	23.19	23.04	24.0	0.5
30	PI2 BPSK	80	0	22.62	22.61	22.59	24.0	0.0
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.68	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.49	22.56	22.52	24.5	0.0
30	QPSK	1	1	23.11	23.27	23.12	24.5	0.0
30	QPSK	1	80	23.15	23.21	23.08		
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.15	22.17	22.20	23.5	1.0
30	QPSK	80	40	23.05	23.21	23.13	24.5	0.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.98	22.10	22.11	23.5	1.0
30	16QAM	1	1	21.76	21.85	21.82	23.5	1.0
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				345000	348000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343500	348000	354500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	348000	355000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342500	348000	355500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mode Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dbm)	MPR (dB)
Channel				345000	348000	353000	16.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	14.40	14.43	14.30		
30	PI2 BPSK	1	80	14.36	14.40	14.35	16.0	0.0
30	PI2 BPSK	1	158	14.27	14.39	14.37	16.0	0.0
30	PI2 BPSK	80	0	14.37	14.36	14.27	16.0	0.0
30	PI2 BPSK	80	40	14.40	14.41	14.38	16.0	0.0
30	PI2 BPSK	80	80	14.36	14.46	14.34	16.0	0.0
30	PI2 BPSK	160	0	14.31	14.32	14.33	16.0	0.0
30	QPSK	1	1	14.44	14.47	14.40	16.0	0.0
30	QPSK	1	80	14.29	14.32	14.36		
30	QPSK	1	158	14.37	14.42	14.35		
30	QPSK	80	0	14.29	14.36	14.32	16.0	0.0
30	QPSK	80	40	14.40	14.44	14.37	16.0	0.0
30	QPSK	80	80	14.35	14.33	14.29	16.0	0.0
30	QPSK	160	0	14.32	14.38	14.32	16.0	0.0
30	16QAM	1	1	14.27	14.42	14.39	16.0	0.0
30	64QAM	1	1	14.35	14.34	14.28	16.0	0.0
30	256QAM	1	1	14.36	14.37	14.25	16.0	0.0
Channel				345000	348000	354000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	16.0	0.0
20	QPSK	1	1	14.25	14.31	14.11	16.0	0.0
Channel				343500	348000	354500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	16.0	0.0
15	QPSK	1	1	14.23	14.27	14.21	16.0	0.0
Channel				343000	348000	355000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	16.0	0.0
10	QPSK	1	1	14.31	14.31	14.15	16.0	0.0
Channel				342500	348000	355500	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	16.0	0.0
5	QPSK	1	1	14.24	14.30	14.17	16.0	0.0

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	23.17	23.16	23.22	24.5	0.0
15	PI/2 BPSK	1	40	23.12	23.18	23.04		
15	PI/2 BPSK	1	77	23.16	23.17	23.10		
15	PI/2 BPSK	36	0	22.67	22.71	22.63	24.0	0.5
15	PI/2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0
15	PI/2 BPSK	36	43	22.86	22.67	22.62	24.0	0.5
15	PI/2 BPSK	75	0	22.72	22.73	22.77		
15	QPSK	1	1	23.17	23.26	23.21		
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0
15	QPSK	36	0	21.89	22.06	21.91		
15	QPSK	36	22	23.15	23.25	23.18		
15	QPSK	36	43	22.89	22.10	22.86	23.5	1.0
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05		
15	64QAM	1	1	20.51	20.55	20.37		
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				137.000	139.100	140.000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				695	690.5	693	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.16	23.19	23.25		
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.17	23.19	23.23		

n71_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134.100	136.100	138.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	23.26	23.30	23.26	24.5	0.0
15	PI/2 BPSK	1	40	23.18	23.21	23.13		
15	PI/2 BPSK	1	77	23.26	23.26	23.13		
15	PI/2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5
15	PI/2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI/2 BPSK	36	43	22.74	22.78	22.67	24.0	0.5
15	PI/2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.26	23.35	23.18		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.16	22.02		
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.27	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.15	22.15	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				137.000	139.100	140.000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				695	690.5	693	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.31	23.28	23.27		
Channel				133.100	136.100	139.100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.30	23.20	23.19		

FCC_n41_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power L1 (Freq)	Power L2 (Freq)	Power L3 (Freq)	Turn-on level (dBm)	S/N (dB)	
Channel									
Frequency (MHz)				7045.0	7045.0	7045.0			
100	PSS BPSK	1	1	13.76	13.74	13.58			
100	PSS BPSK	1	137	13.80	13.83	13.74	15.5	0.0	
100	PSS BPSK	1	271	13.76	13.83	13.85			
100	PSS BPSK	100	6	13.81	13.58	13.70	16.5	0.0	
100	PSS BPSK	100	69	13.84	13.68	13.65	15.5	0.0	
100	PSS BPSK	100	138	13.80	13.70	13.67	16.5	0.0	
100	PSS BPSK	270	0	13.81	13.54	13.68			
100	QPSK	1	1	13.68	13.71	13.70			
100	QPSK	1	137	13.85	13.76	13.76	15.5	0.0	
100	QPSK	1	271	13.70	13.80	13.85			
100	QPSK	100	0	13.68	13.67	13.66	16.5	0.0	
100	QPSK	100	69	13.70	13.71	13.71	15.5	0.0	
100	QPSK	100	138	13.81	13.69	13.69	15.5	0.0	
100	QPSK	270	0	13.72	13.66	13.66			
100	MCSS	1	1	13.86	13.66	13.68	16.5	0.0	
100	MCSS	1	1	13.85	13.67	13.67	15.5	0.0	
100	MCSS	1	1	13.82	13.63	13.71	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.80	13.68	13.68	15.5	0.0	
Channel									
Frequency (MHz)				5070.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.73	13.64	13.58	15.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5070.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.83	13.75	13.69	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.71	13.60	13.55	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.84	13.61	13.60	15.5	0.0	
Channel									
Frequency (MHz)				2050.0	2050.0	2050.0	Turn-up level	S/N (dB)	
40	QPSK	1	1	13.74	13.71	13.62	15.5	0.0	
Channel									
Frequency (MHz)				2011	2060.98	2061.08	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.77	13.63	13.65	16.5	0.0	
Channel									
Frequency (MHz)				2050.0	2060.98	2061.08	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.80	13.65	13.68	15.5	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RF Size	RF Offset	Power L1 (Freq)	Power L2 (Freq)	Power L3 (Freq)	Turn-up level (dBm)	S/N (dB)	
Channel									
Frequency (MHz)				5049.9	5049.9	5049.9			
100	PSS BPSK	1	1	24.78	24.67	24.69			
100	PSS BPSK	1	137	24.63	24.71	24.74	20.0	0.0	
100	PSS BPSK	1	271	24.75	24.60	24.63			
100	PSS BPSK	100	6	24.68	24.12	24.10	16.5	0.0	
100	PSS BPSK	100	69	24.65	24.06	24.12	20.0	0.0	
100	PSS BPSK	100	138	24.64	24.15	24.11	20.0	0.0	
100	PSS BPSK	270	0	24.62	24.10	24.08	20.0	0.0	
100	QPSK	1	1	24.60	24.11	24.10			
100	QPSK	1	137	24.65	24.64	24.65	20.0	0.0	
100	QPSK	1	271	24.75	24.65	24.61			
100	QPSK	100	0	24.68	24.65	24.61	20.0	1.0	
100	QPSK	100	69	24.74	24.66	24.61	20.0	0.0	
100	QPSK	100	138	24.62	24.66	24.62	20.0	1.0	
100	QPSK	270	0	24.60	24.63	24.64			
100	MCSS	1	1	25.06	24.62	25.00	20.0	1.0	
100	MCSS	1	1	25.04	25.00	25.12	22.5	2.5	
100	MCSS	1	1	25.03	25.00	25.10	21.5	2.5	
Channel									
Frequency (MHz)				5049.9	5049.9	5049.9	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.62	24.60	24.70	20.0	0.0	
Channel									
Frequency (MHz)				5070.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.70	24.61	24.63	20.0	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5070.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.67	24.57	24.52	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.64	24.52	24.49	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.63	24.48	24.52	20.0	0.0	
Channel									
Frequency (MHz)				2050.0	2050.0	2050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.65	24.61	24.61	20.0	0.0	
Channel									
Frequency (MHz)				2011	2060.98	2061.08	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.62	24.53	24.57	20.0	0.0	
Channel									
Frequency (MHz)				2050.0	2060.98	2061.08	Turn-up level	S/N (dB)	
50	QPSK	1	1	24.71	24.65	24.67	20.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	RF Size	RF Offset	Power L1 (Freq)	Power L2 (Freq)	Power L3 (Freq)	Turn-up level (dBm)	S/N (dB)	
Channel									
Frequency (MHz)				5049.9	5049.9	5049.9			
100	PSS BPSK	1	1	13.78	13.77	13.75			
100	PSS BPSK	1	137	13.79	13.89	13.71	15.5	0.0	
100	PSS BPSK	1	271	13.71	13.83	13.87			
100	PSS BPSK	100	6	13.73	13.72	13.68	16.5	0.0	
100	PSS BPSK	100	69	13.81	13.68	13.61	15.5	0.0	
100	PSS BPSK	100	138	13.79	13.73	13.68	16.5	0.0	
100	PSS BPSK	270	0	13.80	13.68	13.71			
100	QPSK	1	1	13.68	13.71	13.70			
100	QPSK	1	137	13.77	13.62	13.64	15.5	0.0	
100	QPSK	1	271	13.74	13.88	13.85			
100	QPSK	100	0	13.77	13.66	13.66	16.5	0.0	
100	QPSK	100	69	13.78	13.71	13.71	15.5	0.0	
100	QPSK	100	138	13.79	13.70	13.67	15.5	0.0	
100	QPSK	270	0	13.76	13.61	13.62			
100	MCSS	1	1	13.87	13.70	13.65	16.5	0.0	
100	MCSS	1	1	13.86	13.67	13.72	15.5	0.0	
100	MCSS	1	1	13.79	13.71	13.65	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.83	13.71	13.65	15.5	0.0	
Channel									
Frequency (MHz)				5070.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.80	13.74	13.68	15.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5070.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.89	13.67	13.61	16.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
50	QPSK	1	1	13.84	13.71	13.65	15.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
40	QPSK	1	1	13.86	13.68	13.63	15.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
30	QPSK	1	1	13.84	13.72	13.65	15.5	0.0	
Channel									
Frequency (MHz)				5050.0	5050.0	5050.0	Turn-up level	S/N (dB)	
20	QPSK	1	1	13.85	13.67	13.62	15.5	0.0	
Channel									

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (s)	SAR1 (W/kg)	
Channel									
Frequency (MHz)									
100	P100 BPSK	1	1		11.50	11.50	12.5	0.0	
100	P100 BPSK	1	137		11.48	11.48			
100	P100 BPSK	1	231		11.47	11.47			
100	P100 BPSK	106	6		11.64	11.64	12.0	0.0	
100	P100 BPSK	196	98		11.79	11.79	12.0	0.0	
100	P100 BPSK	236	138		11.73	11.73	12.0	0.0	
100	P100 BPSK	270	0		11.65	11.65	12.0	0.0	
100	QPSK	1	1		11.60	11.60	12.5	0.0	
100	QPSK	1	137		11.73	11.73			
100	QPSK	1	231		11.68	11.68			
100	QPSK	106	6		11.74	11.74	12.0	0.0	
100	QPSK	196	98		11.79	11.79	12.0	0.0	
100	QPSK	236	138		11.87	11.87	12.0	0.0	
100	QPSK	270	0		11.73	11.73	12.0	0.0	
100	MCSSM	1	1		11.64	11.64	12.0	0.0	
100	MCSSM	1	1		11.85	11.85	12.0	0.0	
100	MCSSM	1	1		11.62	11.62	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.76	11.61	11.76	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.74	11.62	11.77	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.79	11.62	11.73	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.79	11.61	11.75	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.69	11.60	11.64	12.0	0.0	

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (s)	SAR1 (W/kg)	
Channel									
Frequency (MHz)									
100	P100 BPSK	1	1	11.54	11.54	11.51	12.5	0.0	
100	P100 BPSK	1	137	11.46	11.42	11.44			
100	P100 BPSK	1	231	11.42	11.43	11.46			
100	P100 BPSK	106	6	11.45	11.52	11.47	11.53	0.0	
100	P100 BPSK	196	98	11.55	11.58	11.53	11.53	0.0	
100	P100 BPSK	236	138	11.58	11.54	11.57	11.57	0.0	
100	P100 BPSK	270	0	11.64	11.61	11.68		0.0	
100	QPSK	1	1	11.61	11.67	11.65	12.5	0.0	
100	QPSK	1	137	11.55	11.54	11.48			
100	QPSK	1	231	11.51	11.57	11.48			
100	QPSK	106	6	11.63	11.63	11.64	11.63	0.0	
100	QPSK	196	98	11.73	11.65	11.67	11.67	0.0	
100	QPSK	236	138	11.87	11.67	11.67	11.67	0.0	
100	QPSK	270	0	11.73	11.73	11.74		0.0	
100	MCSSM	1	1	11.64	11.61	11.68	11.65	0.0	
100	MCSSM	1	1	11.82	11.81	11.82	12.5	0.0	
100	MCSSM	1	1	11.62	11.47	11.46	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.61	11.61	11.61	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.59	11.60	11.60	12.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.56	11.57	11.54	12.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.54	11.60	11.60	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.56	11.59	11.59	12.5	0.0	

Part27Q_n77_Ant_3									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on time (s)	SAR (W/kg)	
Channel									
Frequency (MHz)									
100	P100 BPSK	1	1		22.07		23.0	0.0	
100	P100 BPSK	1	137		21.87				
100	P100 BPSK	1	231		22.02				
100	P100 BPSK	106	6		21.52		22.5	0.5	
100	P100 BPSK	196	98		21.85		23.0	0.0	
100	P100 BPSK	236	138		21.48		22.5	0.5	
100	P100 BPSK	270	0		21.39				
100	QPSK	1	1		22.14		23.0	0.0	
100	QPSK	1	137		22.05				
100	QPSK	1	231		21.87				
100	QPSK	106	6		21.60		23.0	1.0	
100	QPSK	196	98		21.98		23.0	0.0	
100	QPSK	236	138		20.92		22.0	1.0	
100	QPSK	270	0		21.51				
100	MCSSM	1	1		21.45		22.5	2.5	
100	MCSSM	1	1		21.71		19.5	2.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.07	22.06	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.06	22.05	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.07	22.06	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.08	22.05	22.08	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.97	22.07	22.08	23.0	0.0	

Part27Q_n77_Ant 3										
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (s)	SAR1 (W/kg)		
Channel										
Frequency (MHz)										
100	P100 BPSK	1	1	22.17	22.29	22.17	23.0	0.0		
100	P100 BPSK	1	137	22.15	22.27	22.09				
100	P100 BPSK	1	231	22.24	22.28	22.11				
100	P100 BPSK	106	6	21.78	21.82	21.72	22.5	0.5		
100	P100 BPSK	196	98	22.21	22.20	21.12	23.0	0.0		
100	P100 BPSK	236	138	21.79	21.73	21.65	22.5	0.5		
100	P100 BPSK	270	0	21.71	21.72	21.61				
100	QPSK	1	1	22.24	22.24	22.27	23.0	0.0		
100	QPSK	1	137	22.15	22.25	22.15				
100	QPSK	1	231	22.13	22.20	22.12				
100	QPSK	106	6	21.18	21.23	21.15	23.0	1.0		
100	QPSK	196	98	21.71	21.76	21.71	23.0	0.0		
100	QPSK	236	138	21.45	21.19	21.22	22.0	1.0		
100	QPSK	270	0	21.25	21.51	21.14				
100	MCSSM	1	1	21.68	21.18	21.14	22.5	1.0		
100	MCSSM	1	1	19.83	19.30	19.26	19.5	2.5		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.15	22.23	22.24	23.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.16	22.25	22.11	23.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.08	22.18	22.04	23.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.16	22.18	22.14	23.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.09	22.17	22.12	23.0	0.0		

Reduced Power Mode for ECI 17

n2_Ant 1

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.09	22.09	22.10	23.5	0.0
20	PI2 BPSK	1	53	22.10	22.10	22.11		
20	PI2 BPSK	1	104	22.09	22.16	22.00		
20	PI2 BPSK	50	0	22.07	22.08	22.05	23.5	0.0
20	PI2 BPSK	50	28	22.06	22.10	22.04	23.5	0.0
20	PI2 BPSK	50	56	22.10	22.11	22.08	23.5	0.0
20	PI2 BPSK	100	0	22.05	22.17	22.04		
20	QPSK	1	1	22.15	22.18	22.15		
20	QPSK	1	53	22.04	22.12	22.07	23.5	0.0
20	QPSK	1	104	22.02	22.06	22.06	23.5	0.0
20	QPSK	50	0	21.94	22.06	21.96		
20	QPSK	50	28	22.05	22.16	22.14		
20	QPSK	50	56	22.02	22.11	22.01	23.5	0.0
20	QPSK	100	0	21.96	22.05	21.93	23.5	0.0
20	16QAM	1	1	21.67	21.70	21.63		
20	64QAM	1	1	20.24	20.33	20.30		
20	256QAM	1	1	18.82	18.88	18.87	20.0	3.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	23.5	0.0
15	QPSK	1	1	22.12	22.11	22.01	23.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	23.5	0.0
10	QPSK	1	1	21.98	22.07	22.04	23.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5	23.5	0.0
5	QPSK	1	1	22.10	22.08	22.14	23.5	0.0
Channel				370000	376000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		

n2_Ant 2

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	21.83	21.88	21.79	23.5	0.0
20	PI2 BPSK	1	53	21.81	21.87	21.87		
20	PI2 BPSK	1	104	21.78	21.86	21.70		
20	PI2 BPSK	50	0	21.73	21.89	21.78	23.5	0.0
20	PI2 BPSK	50	28	21.82	21.86	21.80	23.5	0.0
20	PI2 BPSK	50	56	21.71	21.80	21.72	23.5	0.0
20	PI2 BPSK	100	0	21.76	21.82	21.74		
20	QPSK	1	1	21.85	21.90	21.85		
20	QPSK	1	53	21.84	21.83	21.80	23.5	0.0
20	QPSK	1	104	21.84	21.79	21.72	23.5	0.0
20	QPSK	50	0	21.56	21.63	21.56		
20	QPSK	50	28	21.75	21.84	21.75		
20	QPSK	50	56	21.70	21.68	21.76	23.5	0.0
20	QPSK	100	0	21.63	21.76	21.59	23.5	0.0
20	16QAM	1	1	21.55	21.58	21.53		
20	64QAM	1	1	20.05	20.10	20.02		
20	256QAM	1	1	18.48	18.57	18.55	20.0	3.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1867.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	21.70	21.89	21.67	23.5	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	21.80	21.80	21.68	23.5	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	1	21.70	21.83	21.69	23.5	0.0
Channel				370000	376000	382000	Tune-up limit	MPR
Frequency (MHz)				1850	1880	1910	(dBm)	(dB)

n2_Ant 4

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	19.08	19.13	19.07	20.5	0.0
20	PI2 BPSK	1	53	18.97	19.17	19.10		
20	PI2 BPSK	1	104	19.09	19.08	19.13		
20	PI2 BPSK	50	0	19.06	19.07	19.05	20.5	0.0
20	PI2 BPSK	50	28	18.97	19.17	19.13	20.5	0.0
20	PI2 BPSK	50	56	19.06	19.07	19.13	20.5	0.0
20	PI2 BPSK	100	0	19.03	19.08	19.10		
20	QPSK	1	1	19.10	19.20	19.15		
20	QPSK	1	53	19.05	19.13	19.14	20.5	0.0
20	QPSK	1	104	19.08	19.12	19.02	20.5	0.0
20	QPSK	50	0	19.02	19.16	19.03		
20	QPSK	50	28	19.05	19.18	19.13		
20	QPSK	50	56	19.00	19.08	19.12	20.5	0.0
20	QPSK	100	0	19.04	19.06	19.00	20.5	0.0
20	16QAM	1	1	19.05	19.10	19.13		
20	64QAM	1	1	18.36	19.15	19.03		
20	256QAM	1	1	18.55	18.70	18.63	20.0	0.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	20.5	0.0
15	QPSK	1	1	18.93	19.06	18.87	20.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	20.5	0.0
10	QPSK	1	1	18.89	19.02	18.98	20.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	20.5	0.0
5	QPSK	1	1	18.94	19.00	18.98	20.5	0.0
Channel				370000	376000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850	1880	1910		

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.44	23.52	23.47	25.0		
20	PI2 BPSK	1	53	23.49	23.66	23.66			
20	PI2 BPSK	1	104	23.43	23.55	23.52			
20	PI2 BPSK	50	0	23.03	23.19	23.14	24.5	0.5	
20	PI2 BPSK	50	28	23.34	23.52	23.39	25.0	0.0	
20	PI2 BPSK	50	56	22.99	23.08	22.99	24.5	0.5	
20	PI2 BPSK	100	0	22.91	23.03	22.94			
20	QPSK	1	1	23.61	23.70	23.61			
20	QPSK	1	53	23.38	23.56	23.55	25.0	0.0	
20	QPSK	1	104	23.45	23.59	23.58	24.0	1.0	
20	QPSK	50	0	22.56	22.71	22.59			
20	QPSK	50	28	22.45	23.62	23.45			
20	QPSK	50	56	22.30	22.49	22.28	24.0	1.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	1.0	
20	16QAM	1	1	22.36	22.53	22.45			
20	16QAM	1	1	21.00	21.00	20.94	22.5	2.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.66	23.46	25.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.59	23.55	23.57	25.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.59	23.60	23.51	25.0	0.0	

n5_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	
20	PI2 BPSK	1	53	23.42	23.53	23.51			
20	PI2 BPSK	1	104	23.38	23.50	23.48			
20	PI2 BPSK	50	0	22.89	23.05	23.04	24.5	0.5	
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0	
20	PI2 BPSK	50	56	22.91	23.00	22.86	24.5	0.5	
20	PI2 BPSK	100	0	22.87	23.02	22.91			
20	QPSK	1	1	23.51	23.56	23.55			
20	QPSK	1	53	23.35	23.50	23.46	25.0	0.0	
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0	
20	QPSK	50	0	22.48	22.57	22.52			
20	QPSK	50	28	22.35	23.52	22.42			
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0	
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	
20	16QAM	1	1	22.31	22.38	22.37			
20	16QAM	1	1	20.89	20.96	20.89	22.5	2.5	
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.45	23.56	23.53	25.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.41	23.49	23.51	25.0	0.0	

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.95	19.11	18.92		
20	PI2 BPSK	1	53	19.02	19.09	18.93		
20	PI2 BPSK	1	104	18.95	19.11	19.04	20.5	0.0
20	PI2 BPSK	50	0	19.04	19.08	18.97	20.5	0.0
20	PI2 BPSK	50	28	19.00	19.03	18.99	20.5	0.0
20	PI2 BPSK	50	56	19.02	19.11	18.93		
20	PI2 BPSK	100	0	19.05	19.12	19.01	20.5	0.0
20	QPSK	1	1	19.10	19.18	19.07		
20	QPSK	1	53	19.02	19.12	18.95	20.5	0.0
20	QPSK	1	104	18.95	19.04	18.92		
20	QPSK	50	0	19.07	19.11	18.92	20.5	0.0
20	QPSK	50	28	19.05	19.15	19.03	20.5	0.0
20	QPSK	50	56	18.96	19.05	19.00	20.5	0.0
20	QPSK	100	0	18.98	19.12	18.95	20.5	0.0
20	16QAM	1	1	19.03	19.14	19.03	20.5	0.0
20	64QAM	1	1	19.06	19.15	18.96	20.5	0.0
20	256QAM	1	1	18.93	18.96	18.99	20.0	0.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0
15	QPSK	1	1	18.97	19.03	19.04	20.5	0.0
Channel				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2565	2535	2565	20.5	0.0
10	QPSK	1	1	19.03	19.16	19.04	20.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0
5	QPSK	1	1	19.00	19.15	19.04	20.5	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	15.68	15.68	15.63		
20	PI2 BPSK	1	53	15.60	15.70	15.68	17.0	0.0
20	PI2 BPSK	1	104	15.68	15.71	15.72		
20	PI2 BPSK	50	0	15.63	15.66	15.72	17.0	0.0
20	PI2 BPSK	50	28	15.57	15.72	15.63	17.0	0.0
20	PI2 BPSK	50	56	15.69	15.64	15.66		
20	PI2 BPSK	100	0	15.58	15.71	15.66	17.0	0.0
20	QPSK	1	1	15.70	15.77	15.73		
20	QPSK	1	53	15.59	15.66	15.69	17.0	0.0
20	QPSK	1	104	15.67	15.68	15.70		
20	QPSK	50	0	15.63	15.71	15.68	17.0	0.0
20	QPSK	50	28	15.55	15.74	15.75	17.0	0.0
20	QPSK	50	56	15.68	15.70	15.63	17.0	0.0
20	QPSK	100	0	15.65	15.72	15.68	17.0	0.0
20	16QAM	1	1	15.62	15.76	15.66	17.0	0.0
20	64QAM	1	1	15.60	15.68	15.68	17.0	0.0
20	256QAM	1	1	15.67	15.64	15.58	17.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	17.0	0.0
15	QPSK	1	1	15.65	15.70	15.67	17.0	0.0
Channel				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2565	2535	2565	17.0	0.0
10	QPSK	1	1	15.58	15.74	15.65	17.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	17.0	0.0
5	QPSK	1	1	15.63	15.64	15.60	17.0	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	20.98	20.98	21.01		
20	PI2 BPSK	1	53	20.85	21.08	20.98	22.5	0.0
20	PI2 BPSK	1	104	20.85	20.96	20.94		
20	PI2 BPSK	50	0	20.88	21.04	20.99	22.5	0.0
20	PI2 BPSK	50	28	20.91	21.07	20.93	22.5	0.0
20	PI2 BPSK	50	56	20.96	21.01	20.91		
20	PI2 BPSK	100	0	20.99	21.05	20.92	22.5	0.0
20	QPSK	1	1	21.00	21.10	21.03		
20	QPSK	1	53	20.96	21.01	20.95	22.5	0.0
20	QPSK	1	104	20.99	21.06	21.02		
20	QPSK	50	0	20.98	21.02	20.96	22.5	0.0
20	QPSK	50	28	20.96	21.06	20.94	22.5	0.0
20	QPSK	50	56	20.91	21.00	20.90	22.5	0.0
20	QPSK	100	0	20.88	21.04	20.98	22.5	0.0
20	16QAM	1	1	20.96	20.98	20.99	22.5	0.0
20	64QAM	1	1	20.34	20.35	20.29	22.0	0.5
20	256QAM	1	1	18.93	18.88	18.77	20.0	2.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	22.5	0.0
15	QPSK	1	1	20.86	20.95	21.02	22.5	0.0
Channel				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2565	2535	2565	22.5	0.0
10	QPSK	1	1	20.88	20.98	21.01	22.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	22.5	0.0
5	QPSK	1	1	20.96	20.96	21.01	22.5	0.0

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.15	23.28	23.16	24.5	0.0
30	PI2 BPSK	1	80	23.17	23.20	23.19		
30	PI2 BPSK	1	158	23.11	23.22	23.10		
30	PI2 BPSK	80	0	22.89	22.75	22.67	24.0	0.5
30	PI2 BPSK	80	40	23.20	23.25	23.23	24.5	0.0
30	PI2 BPSK	80	80	22.85	22.73	22.65	24.0	0.5
30	PI2 BPSK	160	0	22.80	22.66	22.54		
30	QPSK	1	1	23.20	23.30	23.24		
30	QPSK	1	80	23.19	23.25	23.12	24.5	0.0
30	QPSK	1	158	23.17	23.21	23.17		
30	QPSK	80	0	22.16	22.22	22.21	23.5	1.0
30	QPSK	80	40	23.05	23.23	23.22	24.5	0.0
30	QPSK	80	80	22.19	22.24	22.20	23.5	1.0
30	QPSK	160	0	22.05	22.20	22.15		
30	16QAM	1	1	21.80	21.83	21.86	23.5	1.0
30	64QAM	1	1	20.37	20.48	20.47	22.0	2.5
30	256QAM	1	1	19.02	19.05	18.96	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.08	23.19	23.16	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.11	23.22	23.16	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.07	23.28	23.23	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.08	23.18	23.18	24.5	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	23.01	23.22	23.10	24.5	0.0
30	PI2 BPSK	1	80	23.04	23.16	23.16		
30	PI2 BPSK	1	158	23.02	23.19	23.04		
30	PI2 BPSK	80	0	22.66	22.61	22.59	24.0	0.5
30	PI2 BPSK	80	40	23.18	23.22	23.11	24.5	0.0
30	PI2 BPSK	80	80	22.58	22.61	22.57	24.0	0.5
30	PI2 BPSK	160	0	22.40	22.56	22.52		
30	QPSK	1	1	23.17	23.27	23.12		
30	QPSK	1	80	23.15	23.21	23.08	24.5	0.0
30	QPSK	1	158	23.08	23.18	23.08		
30	QPSK	80	0	22.16	22.17	22.26	23.5	1.0
30	QPSK	80	40	23.05	23.21	23.15	24.5	0.0
30	QPSK	80	80	22.09	22.12	22.18	23.5	1.0
30	QPSK	160	0	21.88	22.19	22.11		
30	16QAM	1	1	21.78	21.85	21.82	23.5	1.0
30	64QAM	1	1	20.27	20.34	20.43	22.0	2.5
30	256QAM	1	1	18.92	18.95	18.94	20.0	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.10	23.14	23.10	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.02	23.24	23.04	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.15	23.22	23.05	24.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.14	22.97	24.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	20.38	20.48	20.35	22.0	0.0
30	PI2 BPSK	1	80	20.37	20.46	20.35		
30	PI2 BPSK	1	158	20.38	20.43	20.26		
30	PI2 BPSK	80	0	20.35	20.48	20.28	22.0	0.0
30	PI2 BPSK	80	40	20.27	20.44	20.34	22.0	0.0
30	PI2 BPSK	80	80	20.31	20.47	20.33	22.0	0.0
30	PI2 BPSK	160	0	20.41	20.47	20.24		
30	QPSK	1	1	20.42	20.50	20.38		
30	QPSK	1	80	20.27	20.48	20.36	22.0	0.0
30	QPSK	1	158	20.40	20.41	20.33		
30	QPSK	80	0	20.34	20.38	20.37	22.0	0.0
30	QPSK	80	40	20.41	20.46	20.35	22.0	0.0
30	QPSK	80	80	20.38	20.42	20.34	22.0	0.0
30	QPSK	160	0	20.31	20.43	20.36		
30	16QAM	1	1	20.27	20.40	20.30	22.0	0.0
30	64QAM	1	1	20.17	20.31	20.26	22.0	0.0
30	256QAM	1	1	18.81	18.83	18.79	20.0	2.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.39	20.38	20.25	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.34	20.45	20.31	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.37	20.35	20.30	22.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.40	20.39	20.24	22.0	0.0

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				134.100	136.100	138.100			
Frequency (MHz)				670.5	680.5	690.5			
15	P12 BPSK	1	1	23.17	23.18	23.22	24.5	0.0	
15	P12 BPSK	1	40	23.12	23.18	23.04			
15	P12 BPSK	1	77	23.16	23.17	23.10			
15	P12 BPSK	36	0	22.87	22.71	22.59	24.0	0.5	
15	P12 BPSK	36	22	23.15	23.22	23.07	24.5	0.0	
15	P12 BPSK	36	43	22.86	22.67	22.62	24.0	0.5	
15	P12 BPSK	75	0	22.72	22.73	22.77			
15	QPSK	1	1	23.25	23.28	23.27			
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0	
15	QPSK	1	77	23.07	23.13	23.10	23.5	1.0	
15	QPSK	36	0	21.99	22.06	21.91			
15	QPSK	36	22	23.15	23.20	23.10			
15	QPSK	36	43	22.09	22.10	22.05	23.5	1.0	
15	QPSK	75	0	22.00	22.08	22.06			
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0	
15	64QAM	1	1	20.51	20.55	20.37	22.5	2.5	
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5	
Channel				133600	136.100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.16	23.19	23.25	24.5	0.0	
Channel				131100	134.100	137100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0	

n71_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	P12 BPSK	1	1	23.26	23.30	23.26	24.5	0.0	
15	P12 BPSK	1	40	23.18	23.21	23.13			
15	P12 BPSK	1	77	23.20	23.25	23.13			
15	P12 BPSK	36	0	22.77	22.83	22.69	24.0	0.5	
15	P12 BPSK	36	22	23.23	23.25	23.12	24.5	0.0	
15	P12 BPSK	36	43	22.74	22.78	22.67	24.0	0.5	
15	P12 BPSK	75	0	22.73	22.85	22.82			
15	QPSK	1	1	23.34	23.35	23.33			
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0	
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0	
15	QPSK	36	0	22.07	22.16	22.10			
15	QPSK	36	22	23.27	23.29	23.23			
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0	
15	QPSK	75	0	22.13	22.19	22.16			
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0	
15	64QAM	1	1	20.60	20.63	20.46	22.0	2.5	
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.31	23.28	23.27	24.5	0.0	
Channel				131100	134100	137100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.30	23.20	23.19	24.5	0.0	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	Spurs (dB)	
Channel									
Frequency (MHz)				5040.00	5040.00	5040			
100	PSS BPSK	1	1	18.44	18.28	18.15			
100	PSS BPSK	1	137	18.44	18.27	18.25	20.0	0.0	
100	PSS BPSK	1	271	18.28	18.20	18.25			
100	PSS BPSK	100	6	18.33	18.22	18.30	30.0	0.0	
100	PSS BPSK	100	69	18.35	18.22	18.22	20.0	0.0	
100	PSS BPSK	100	138	18.30	18.15	18.27	20.0	0.0	
100	PSS BPSK	270	0	18.37	18.25	18.27			
100	QPSK	1	1	18.67	18.20	18.20			
100	QPSK	1	137	18.52	18.26	18.26	20.0	0.0	
100	QPSK	1	271	18.24	18.22	18.20			
100	QPSK	100	0	18.40	18.27	18.20	20.0	0.0	
100	QPSK	100	69	18.35	18.20	18.27	20.0	0.0	
100	QPSK	100	138	18.41	18.26	18.18	20.0	0.0	
100	QPSK	270	0	18.33	18.20	18.20			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5050.00	5050.00	5050.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.41	18.26	18.28	20.0	0.0	
Channel									
Frequency (MHz)				5070.00	5065.00	5068.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.52	18.15	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5080.00	5080.00	5080.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.38	18.23	18.15			
100	QPSK	1	137	18.31	18.21	18.17	16.0	0.0	
100	QPSK	1	271	18.26	18.21	18.15			
100	QPSK	100	0	18.26	18.21	18.15	16.0	0.0	
100	QPSK	100	69	18.35	18.21	18.17	20.0	0.0	
100	QPSK	100	138	18.41	18.26	18.18	20.0	0.0	
100	QPSK	270	0	18.33	18.20	18.20			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5090.00	5090.00	5090.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.41	18.26	18.28	20.0	0.0	
Channel									
Frequency (MHz)				5100.00	5095.00	5098.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.52	18.15	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5110.00	5105.00	5108.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.38	18.23	18.15			
100	QPSK	1	137	18.31	18.21	18.17	16.0	0.0	
100	QPSK	1	271	18.26	18.21	18.15			
100	QPSK	100	0	18.26	18.21	18.15	16.0	0.0	
100	QPSK	100	69	18.35	18.21	18.17	20.0	0.0	
100	QPSK	100	138	18.41	18.26	18.18	20.0	0.0	
100	QPSK	270	0	18.33	18.20	18.20			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5120.00	5115.00	5118.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.41	18.26	18.28	20.0	0.0	
Channel									
Frequency (MHz)				5130.00	5125.00	5128.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.52	18.15	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5140.00	5135.00	5138.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.38	18.23	18.15			
100	QPSK	1	137	18.31	18.21	18.17	16.0	0.0	
100	QPSK	1	271	18.26	18.21	18.15			
100	QPSK	100	0	18.26	18.21	18.15	16.0	0.0	
100	QPSK	100	69	18.35	18.21	18.17	20.0	0.0	
100	QPSK	100	138	18.41	18.26	18.18	20.0	0.0	
100	QPSK	270	0	18.33	18.20	18.20			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	Spurs (dB)	
Channel									
Frequency (MHz)				5040.00	5040.00	5040			
100	PSS BPSK	1	1	18.33	18.15	18.18			
100	PSS BPSK	1	137	18.35	18.20	18.20	16.0	0.0	
100	PSS BPSK	1	271	18.20	18.27	18.25			
100	PSS BPSK	100	6	18.33	18.12	18.20	16.0	0.0	
100	PSS BPSK	100	69	18.24	18.28	18.12	16.0	0.0	
100	PSS BPSK	100	138	18.20	18.17	18.12	16.0	0.0	
100	PSS BPSK	270	0	18.29	18.18	18.20			
100	QPSK	1	1	18.38	18.20	18.20			
100	QPSK	1	137	18.24	18.16	18.15	16.0	0.0	
100	QPSK	1	271	18.27	18.20	18.15			
100	QPSK	100	0	18.20	18.15	18.15	16.0	0.0	
100	QPSK	100	69	18.35	18.12	18.15	16.0	0.0	
100	QPSK	100	138	18.29	18.20	18.20	16.0	0.0	
100	QPSK	270	0	18.24	18.20	18.18			
100	MCSSM	1	1	18.40	18.22	18.18	16.0	0.0	
100	MCSSM	1	1	18.23	18.18	18.15	16.0	0.0	
100	MCSSM	1	1	18.24	18.15	18.20	16.0	0.0	
Channel									
Frequency (MHz)				5050.00	5050.00	5050.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.20	18.27	18.15	16.0	0.0	
Channel									
Frequency (MHz)				5070.00	5065.00	5068.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.31	18.26	18.17	16.0	0.0	
Channel									
Frequency (MHz)				5080.00	5080.00	5080.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.38	18.23	18.15			
100	QPSK	1	137	18.31	18.21	18.17	16.0	0.0	
100	QPSK	1	271	18.26	18.21	18.15			
100	QPSK	100	0	18.26	18.21	18.15	16.0	0.0	
100	QPSK	100	69	18.35	18.21	18.17	20.0	0.0	
100	QPSK	100	138	18.41	18.26	18.18	20.0	0.0	
100	QPSK	270	0	18.33	18.20	18.20			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	
Channel									
Frequency (MHz)				5090.00	5090.00	5090.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.41	18.26	18.28	20.0	0.0	
Channel									
Frequency (MHz)				5100.00	5095.00	5098.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.52	18.15	18.14	16.0	0.0	
Channel									
Frequency (MHz)				5110.00	5105.00	5108.00	Turn-up time (min)	Spurs (dB)	
100	QPSK	1	1	18.20	18.26	18.24	16.0	0.0	
100	QPSK	1	137	18.25	18.21	18.15	16.0	0.0	
100	QPSK	1	271	18.21	18.20	18.15			
100	QPSK	100	0	18.21	18.20	18.15	16.0	0.0	
100	QPSK	100	69	18.30	18.20	18.15	20.0	0.0	
100	QPSK	100	138	18.30	18.20	18.15	20.0	0.0	
100	QPSK	270	0	18.21	18.20	18.15			
100	MCSSM	1	1	18.40	18.24	18.28	30.0	0.0	
100	MCSSM	1	1	18.24	18.17	18.20	20.0	0.0	
100	MCSSM	1	1	18.27	18.27	18.20	20.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	Spurs (dB)	
Channel									
Frequency (MHz)				2040.00	2040.00	2040			
100	PSS BPSK	1	1	20.41	20.24	20.27			
100	PSS BPSK	1	137	20.46	20.28	20.17	20.0	0.0	
100	PSS BPSK	1	271	20.28	20.20	20.24			
100	PSS BPSK	100	6	20.41	20.31	20.28	30.0	0.0	
100	PSS BPSK	100	69	20.43	20.33	20.32	30.0	0.0	
100	PSS BPSK	100	138	20.42	20.23	20.27	20.0	0.0	
100	PSS BPSK	200	3	20.38	20.20	20.02			
100	CPFSK	1	137	20.46	20.28	20.17	20.0	0.0	
100	CPFSK	1	271	20.28	20.20	20.27			
100	CPFSK	100	2	20.41	20.31	20.28	20.0	0.0	
100	CPFSK	100	69	20.43	20.33	20.32	20.0	0.0	
100	CPFSK	100	138	20.42	20.23	20.27	20.0	0.0	
100	CPFSK	200	3	20.38	20.20	20.02			
100	VSQAM	1	1	20.41	20.26	20.16	20.0	0.0	
100	VSQAM	1	2647	20.02	20.20	20.20	20.0	0.0	
100	VSQAM	1	2648	20.17	20.11	20.11	20.0	0.0	
Channel									
Frequency (MHz)				5000.00	5000.00	5000	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.44	20.23	20.19	20.0	0.0	
Channel									
Frequency (MHz)				5010.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	
Channel									
Frequency (MHz)				5020.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	
Channel									
Frequency (MHz)				5030.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	
Channel									
Frequency (MHz)				5040.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	
Channel									
Frequency (MHz)				5050.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.17	20.0	0.0	
Channel									
Frequency (MHz)				5060.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	
Channel									
Frequency (MHz)				5070.00	5010.00	5010	Turn-up time (min)	Spurs (dB)	
50	CPFSK	1	1	20.43	20.24	20.16	20.0	0.0	

[illegible]

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch 1 (Freq)	Power Level Ch 2 (Freq)	Power Level Ch 3 (Freq)	Turn-up time (min)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.12	15.12	15.12			
100	P12 BPSK	1	137	15.11	15.11	15.11	16.5	0.0	
100	P12 BPSK	1	231	15.10	15.10	15.10	16.5	0.0	
100	P12 BPSK	136	6	15.12	15.12	15.12	16.5	0.0	
100	P12 BPSK	136	58	15.12	15.12	15.12	16.5	0.0	
100	P12 BPSK	136	138	15.10	15.10	15.10	16.5	0.0	
100	P12 BPSK	270	0	15.08	15.08	15.08	16.5	0.0	
100	QPSK	1	1	15.12	15.12	15.12	16.5	0.0	
100	QPSK	1	137	15.10	15.10	15.10	16.5	0.0	
100	QPSK	1	231	15.09	15.09	15.09	16.5	0.0	
100	QPSK	136	6	15.12	15.12	15.12	16.5	0.0	
100	QPSK	136	58	15.12	15.12	15.12	16.5	0.0	
100	QPSK	136	138	15.10	15.10	15.10	16.5	0.0	
100	MCSSM	1	1	15.12	15.12	15.12	16.5	0.0	
100	MCSSM	1	1	15.10	15.10	15.10	16.5	0.0	
100	MCSSM	1	1	15.07	15.07	15.07	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.00	15.00	15.00	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.08	15.08	15.08	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.07	15.08	15.07	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.04	15.05	15.04	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.00	15.01	15.00	16.5	0.0	

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch 1 (Freq)	Power Level Ch 2 (Freq)	Power Level Ch 3 (Freq)	Turn-up time (min)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.08	15.08	15.08			
100	P12 BPSK	1	137	15.08	15.08	15.08	16.5	0.0	
100	P12 BPSK	1	231	15.10	15.10	15.10	16.5	0.0	
100	P12 BPSK	136	6	15.08	15.08	15.08	16.5	0.0	
100	P12 BPSK	136	58	15.08	15.08	15.08	16.5	0.0	
100	P12 BPSK	136	138	15.10	15.10	15.10	16.5	0.0	
100	P12 BPSK	270	0	15.06	15.06	15.06	16.5	0.0	
100	QPSK	1	1	15.08	15.08	15.08	16.5	0.0	
100	QPSK	1	137	15.05	15.05	15.05	16.5	0.0	
100	QPSK	1	231	15.09	15.09	15.09	16.5	0.0	
100	QPSK	136	6	15.07	15.07	15.07	16.5	0.0	
100	QPSK	136	58	15.07	15.07	15.07	16.5	0.0	
100	QPSK	136	138	15.09	15.09	15.09	16.5	0.0	
100	QPSK	270	0	15.06	15.06	15.06	16.5	0.0	
100	MCSSM	1	1	15.08	15.07	15.07	16.5	0.0	
100	MCSSM	1	1	15.05	15.05	15.05	16.5	0.0	
100	MCSSM	1	1	15.10	15.09	15.09	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.04	15.04	15.04	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.10	15.09	15.09	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.10	15.09	15.09	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.06	15.05	15.05	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.02	15.02	15.02	16.5	0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch 1 (Freq)	Power Level Ch 2 (Freq)	Power Level Ch 3 (Freq)	Turn-up time (min)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.28	15.28	15.28			
100	P12 BPSK	1	137	15.25	15.25	15.25	17.0	0.0	
100	P12 BPSK	1	231	15.27	15.27	15.27	17.0	0.0	
100	P12 BPSK	136	6	15.28	15.28	15.28	17.0	0.0	
100	P12 BPSK	136	58	15.27	15.27	15.27	17.0	0.0	
100	P12 BPSK	136	138	15.25	15.25	15.25	17.0	0.0	
100	P12 BPSK	270	0	15.30	15.30	15.30	17.0	0.0	
100	QPSK	1	1	15.28	15.28	15.28	17.0	0.0	
100	QPSK	1	137	15.25	15.25	15.25	17.0	0.0	
100	QPSK	1	231	15.26	15.26	15.26	17.0	0.0	
100	QPSK	136	6	15.27	15.27	15.27	17.0	0.0	
100	QPSK	136	58	15.26	15.26	15.26	17.0	0.0	
100	QPSK	136	138	15.28	15.28	15.28	17.0	0.0	
100	QPSK	270	0	15.31	15.31	15.31	17.0	0.0	
100	MCSSM	1	1	15.28	15.27	15.27	17.0	0.0	
100	MCSSM	1	1	15.25	15.25	15.25	17.0	0.0	
100	MCSSM	1	1	15.27	15.26	15.26	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.24	15.24	15.24	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.30	15.29	15.29	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.30	15.29	15.29	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.24	15.24	15.24	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.28	15.19	15.17	17.0	0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RF Size	RF Offset	Power Level Ch 1 (Freq)	Power Level Ch 2 (Freq)	Power Level Ch 3 (Freq)	Turn-up time (min)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.25	15.25	15.25			
100	P12 BPSK	1	137	15.24	15.11	15.07	17.0	0.0	
100	P12 BPSK	1	231	15.21	15.00	15.01	17.0	0.0	
100	P12 BPSK	136	6	15.25	15.07	15.07	17.0	0.0	
100	P12 BPSK	136	58	15.20	15.02	15.02	17.0	0.0	
100	P12 BPSK	136	138	15.19	15.12	15.01	17.0	0.0	
100	P12 BPSK	270	0	15.19	15.13	15.07	17.0	0.0	
100	QPSK	1	1	15.25	15.11	15.10	17.0	0.0	
100	QPSK	1	137	15.19	15.14	15.08	17.0	0.0	
100	QPSK	1	231	15.17	15.07	15.06	17.0	0.0	
100	QPSK	136	6	15.23	15.13	15.04	17.0	0.0	
100	QPSK	136	58	15.23	15.11	15.01	17.0	0.0	
100	QPSK	136	138	15.20	15.12	15.04	17.0	0.0	
100	QPSK	270	0	15.22	15.00	15.01	17.0	0.0	
100	MCSSM	1	1	15.24	15.02	15.04	17.0	0.0	
100	MCSSM	1	1	15.15	15.08	15.06	17.0	0.0	
100	MCSSM	1	1	15.29	15.00	15.00	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.24	15.04	15.03	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.28	15.10	15.08	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.17	15.16	15.00	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.21	15.04	15.03	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.22	15.04	15.03	17.0	0.0	



Reduced Power Mode for ECI 18

n2_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				18.60	18.80	19.00		
20	Pi/2 BPSK	1	1	20.02	20.13	20.02		
20	Pi/2 BPSK	1	53	19.99	20.15	20.00	21.5	0.0
20	Pi/2 BPSK	1	104	20.00	20.06	20.12		
20	Pi/2 BPSK	50	0	20.05	20.11	20.00	21.5	0.0
20	Pi/2 BPSK	50	28	20.10	20.05	20.13	21.5	0.0
20	Pi/2 BPSK	50	56	20.02	20.14	20.04		
20	Pi/2 BPSK	100	0	20.00	20.10	20.09	21.5	0.0
20	QPSK	1	1	20.12	20.20	20.15		
20	QPSK	1	53	19.98	20.15	20.08	21.5	0.0
20	QPSK	1	104	19.97	20.15	20.07		
20	QPSK	50	0	20.05	20.06	20.03	21.5	0.0
20	QPSK	50	28	20.10	20.15	20.14	21.5	0.0
20	QPSK	50	56	20.00	20.10	20.04		
20	QPSK	100	0	20.06	20.14	20.12	21.5	0.0
20	16QAM	1	1	19.99	20.16	20.07	21.5	0.0
20	64QAM	1	1	19.99	20.06	20.14	21.5	0.0
20	256QAM	1	1	18.82	18.88	18.87	20.0	1.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.03	20.11	20.10	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.00	20.10	20.05	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.07	20.05	20.01	21.5	0.0

n2_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				18.60	18.80	19.00		
20	Pi/2 BPSK	1	1	19.82	19.80	19.75		
20	Pi/2 BPSK	1	53	19.84	19.92	19.78	21.5	0.0
20	Pi/2 BPSK	1	104	19.81	19.90	19.70		
20	Pi/2 BPSK	50	0	19.77	19.86	19.76	21.5	0.0
20	Pi/2 BPSK	50	28	19.83	19.87	19.80	21.5	0.0
20	Pi/2 BPSK	50	56	19.76	19.80	19.75		
20	Pi/2 BPSK	100	0	19.82	19.83	19.75	21.5	0.0
20	QPSK	1	1	19.88	19.98	19.85		
20	QPSK	1	53	19.73	19.91	19.73	21.5	0.0
20	QPSK	1	104	19.78	19.84	19.76		
20	QPSK	50	0	19.85	19.82	19.83	21.5	0.0
20	QPSK	50	28	19.80	19.93	19.84	21.5	0.0
20	QPSK	50	56	19.83	19.90	19.79		
20	QPSK	100	0	19.82	19.88	19.74	21.5	0.0
20	16QAM	1	1	19.81	19.93	19.82	21.5	0.0
20	64QAM	1	1	19.81	19.92	19.84	21.5	0.0
20	256QAM	1	1	18.49	18.57	18.65	20.0	1.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.87	19.84	19.83	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.77	19.93	19.84	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.73	19.90	19.79	21.5	0.0

n2_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				18.60	18.80	19.00		
20	Pi/2 BPSK	1	1	16.98	17.04	17.00		
20	Pi/2 BPSK	1	53	17.06	17.17	17.11	18.5	0.0
20	Pi/2 BPSK	1	104	16.97	17.15	17.10		
20	Pi/2 BPSK	50	0	16.99	17.12	17.07	18.5	0.0
20	Pi/2 BPSK	50	28	17.08	17.12	17.01	18.5	0.0
20	Pi/2 BPSK	50	56	17.01	17.17	17.01		
20	Pi/2 BPSK	100	0	17.04	17.15	17.02	18.5	0.0
20	QPSK	1	1	17.10	17.18	17.13		
20	QPSK	1	53	16.99	17.03	17.07	18.5	0.0
20	QPSK	1	104	17.03	17.07	17.11		
20	QPSK	50	0	16.97	17.10	17.05	18.5	0.0
20	QPSK	50	28	17.06	17.15	17.10	18.5	0.0
20	QPSK	50	56	17.03	17.13	17.03		
20	QPSK	100	0	17.03	17.05	17.02	18.5	0.0
20	16QAM	1	1	16.98	17.08	17.02	18.5	0.0
20	64QAM	1	1	17.04	17.17	17.02	18.5	0.0
20	256QAM	1	1	17.03	17.12	17.02	18.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.90	17.08	16.92	18.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.97	17.10	16.97	18.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.02	17.12	16.92	18.5	0.0

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.40	22.51	22.50	24.0	0.0	
20	PI2 BPSK	1	53	22.37	22.50	22.54			
20	PI2 BPSK	1	104	22.48	22.51	22.43			
20	PI2 BPSK	50	0	22.39	22.50	22.52	24.0	0.0	
20	PI2 BPSK	50	28	22.41	22.63	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.38	22.50	22.46	24.0	0.0	
20	PI2 BPSK	100	0	22.49	22.58	22.54			
20	QPSK	1	1	22.50	22.65	22.55			
20	QPSK	1	53	22.45	22.60	22.41	24.0	0.0	
20	QPSK	1	104	22.50	22.56	22.51	24.0	0.0	
20	QPSK	50	0	22.40	22.53	22.44			
20	QPSK	50	28	22.41	22.62	22.45			
20	QPSK	50	56	22.30	22.49	22.28	24.0	0.0	
20	QPSK	100	0	22.38	22.57	22.42	24.0	0.0	
20	16QAM	1	1	22.36	22.53	22.45	24.0	0.0	
20	64QAM	1	1	21.00	21.00	20.94	22.5	1.5	
20	256QAM	1	1	19.42	19.53	19.31	20.5	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.42	22.56	22.41	24.0	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.39	22.60	22.51	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.37	22.55	22.54	24.0	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.42	23.48	23.39	25.0	0.0	0.0
20	PI2 BPSK	1	53	23.42	23.53	23.51			
20	PI2 BPSK	1	104	23.38	23.50	23.48			
20	PI2 BPSK	50	0	22.55	23.05	23.04	24.5	0.5	0.5
20	PI2 BPSK	50	28	23.31	23.46	23.32	25.0	0.0	0.0
20	PI2 BPSK	50	56	22.91	23.00	22.85	24.5	0.5	0.5
20	PI2 BPSK	100	0	22.87	23.02	22.91			
20	QPSK	1	1	23.51	23.56	23.55			
20	QPSK	1	53	23.35	23.50	23.46	25.0	0.0	0.0
20	QPSK	1	104	23.44	23.53	23.50	24.0	1.0	1.0
20	QPSK	50	0	22.48	22.57	22.52			
20	QPSK	50	28	23.35	23.52	23.42			
20	QPSK	50	56	22.24	22.36	22.24	24.0	1.0	1.0
20	QPSK	100	0	22.36	22.45	22.35	24.0	1.0	1.0
20	16QAM	1	1	22.31	22.38	22.37	24.0	1.0	1.0
20	64QAM	1	1	20.89	20.96	20.89	22.5	2.5	2.5
20	256QAM	1	1	19.39	19.42	19.27	20.5	4.5	4.5
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.45	23.55	23.53	25.0	0.0	0.0
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.50	23.42	23.41	25.0	0.0	0.0
Channel				165300	167300	169300			
Frequency (MHz)				828.5	836.5	843.5			
5	QPSK	1	1	23.41	23.43	23.51	25.0	0.0	0.0

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				23.10	23.35	23.60		
20	Pi/2 BPSK	1	1	16.97	17.04	16.91		
20	Pi/2 BPSK	1	53	16.90	17.09	16.99	18.5	0.0
20	Pi/2 BPSK	1	104	16.95	17.06	16.94		
20	Pi/2 BPSK	50	0	16.93	17.08	17.00	18.5	0.0
20	Pi/2 BPSK	50	28	16.94	16.95	16.94	18.5	0.0
20	Pi/2 BPSK	50	56	16.95	16.90	16.95		
20	Pi/2 BPSK	100	0	17.01	17.07	17.04	18.5	0.0
20	QPSK	1	1	17.02	17.10	17.05		
20	QPSK	1	53	16.98	17.09	17.02	18.5	0.0
20	QPSK	1	104	16.96	17.09	16.92		
20	QPSK	50	0	16.95	16.95	16.90	18.5	0.0
20	QPSK	50	28	16.97	17.06	17.00	18.5	0.0
20	QPSK	50	56	16.90	16.98	16.96		
20	QPSK	100	0	16.96	17.04	16.99	18.5	0.0
20	16QAM	1	1	16.94	17.02	16.90	18.5	0.0
20	64QAM	1	1	16.93	17.00	16.98	18.5	0.0
20	256QAM	1	1	16.99	17.08	16.97	18.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.88	17.09	16.98	18.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.89	17.06	16.94	18.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.93	17.02	16.95	18.5	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				23.10	23.35	23.60		
20	Pi/2 BPSK	1	1	13.53	13.63	13.56		
20	Pi/2 BPSK	1	53	13.62	13.66	13.49	15.0	0.0
20	Pi/2 BPSK	1	104	13.54	13.69	13.48		
20	Pi/2 BPSK	50	0	13.59	13.70	13.58	15.0	0.0
20	Pi/2 BPSK	50	28	13.64	13.59	13.55	15.0	0.0
20	Pi/2 BPSK	50	56	13.58	13.71	13.52		
20	Pi/2 BPSK	100	0	13.57	13.61	13.52	15.0	0.0
20	QPSK	1	1	13.60	13.72	13.62		
20	QPSK	1	53	13.64	13.63	13.57	15.0	0.0
20	QPSK	1	104	13.59	13.57	13.59		
20	QPSK	50	0	13.55	13.62	13.52	15.0	0.0
20	QPSK	50	28	13.60	13.70	13.58	15.0	0.0
20	QPSK	50	56	13.61	13.57	13.53		
20	QPSK	100	0	13.55	13.58	13.51	15.0	0.0
20	16QAM	1	1	13.56	13.63	13.56	15.0	0.0
20	64QAM	1	1	13.55	13.59	13.56	15.0	0.0
20	256QAM	1	1	13.53	13.60	13.51	15.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.47	13.63	13.50	15.0	0.0
Channel				501000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.65	13.71	13.53	15.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.50	13.57	13.53	15.0	0.0

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				23.10	23.35	23.60		
20	Pi/2 BPSK	1	1	18.94	18.91	18.92		
20	Pi/2 BPSK	1	53	18.83	18.86	18.84	20.5	0.0
20	Pi/2 BPSK	1	104	18.92	18.95	18.89		
20	Pi/2 BPSK	50	0	18.92	18.99	18.92	20.5	0.0
20	Pi/2 BPSK	50	28	18.83	18.88	18.92	20.5	0.0
20	Pi/2 BPSK	50	56	18.91	18.94	18.91		
20	Pi/2 BPSK	100	0	18.93	18.88	18.82	20.5	0.0
20	QPSK	1	1	18.95	19.00	18.93		
20	QPSK	1	53	18.82	18.87	18.80	20.5	0.0
20	QPSK	1	104	18.89	18.86	18.90		
20	QPSK	50	0	18.85	18.95	18.83	20.5	0.0
20	QPSK	50	28	18.90	18.88	18.92	20.5	0.0
20	QPSK	50	56	18.81	18.89	18.81		
20	QPSK	100	0	18.86	18.94	18.89	20.5	0.0
20	16QAM	1	1	18.81	18.93	18.86	20.5	0.0
20	64QAM	1	1	18.92	18.97	18.78	20.5	0.0
20	256QAM	1	1	18.83	18.88	18.77	20.0	0.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.91	18.87	18.82	20.5	0.0
Channel				501000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.87	18.95	18.81	20.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.95	18.97	18.98	20.5	0.0

n66_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	21.66	21.82	21.75		
30	PI2 BPSK	1	80	21.63	21.77	21.69	23.0	0.0
30	PI2 BPSK	1	158	21.73	21.75	21.72		
30	PI2 BPSK	80	0	21.64	21.74	21.67	23.0	0.0
30	PI2 BPSK	80	40	21.64	21.69	21.73	23.0	0.0
30	PI2 BPSK	80	80	21.62	21.76	21.74		
30	PI2 BPSK	160	0	21.64	21.77	21.75	23.0	0.0
30	QPSK	1	1	21.74	21.83	21.77		
30	QPSK	1	80	21.69	21.78	21.71	23.0	0.0
30	QPSK	1	158	21.61	21.77	21.63		
30	QPSK	80	0	21.66	21.70	21.72	23.0	0.0
30	QPSK	80	40	21.69	21.80	21.75	23.0	0.0
30	QPSK	80	80	21.66	21.76	21.70		
30	QPSK	160	0	21.69	21.77	21.64	23.0	0.0
30	16QAM	1	1	21.59	21.73	21.66	23.0	0.0
30	64QAM	1	1	20.37	20.48	20.47	22.0	1.0
30	256QAM	1	1	19.02	19.05	18.96	20.0	3.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.60	21.69	21.71	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.70	21.82	21.64	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.65	21.69	21.63	23.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.65	21.80	21.72	23.0	0.0

n66_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	22.14	22.24	22.06		
30	PI2 BPSK	1	80	22.11	22.26	22.01	23.5	0.0
30	PI2 BPSK	1	158	22.09	22.28	22.08		
30	PI2 BPSK	80	0	22.12	22.18	22.05	23.5	0.0
30	PI2 BPSK	80	40	22.06	22.22	22.08	23.5	0.0
30	PI2 BPSK	80	80	22.12	22.12	22.07		
30	PI2 BPSK	160	0	22.13	22.16	22.07	23.5	0.0
30	QPSK	1	1	22.30	22.29	22.15		
30	QPSK	1	80	22.13	22.26	22.06	23.5	0.0
30	QPSK	1	158	22.05	22.23	22.04		
30	QPSK	80	0	22.12	22.19	22.12	23.5	0.0
30	QPSK	80	40	22.17	22.20	22.13	23.5	0.0
30	QPSK	80	80	22.15	22.10	22.09		
30	QPSK	160	0	21.98	22.19	22.11	23.5	0.0
30	16QAM	1	1	21.76	21.85	21.82	23.5	0.0
30	64QAM	1	1	20.27	20.34	20.43	22.0	1.5
30	256QAM	1	1	18.92	18.95	18.94	20.0	3.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.15	22.15	22.10	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.06	22.15	22.12	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.04	22.11	22.05	23.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.12	22.14	22.07	23.5	0.0

n66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	18.36	18.35	18.34		
30	PI2 BPSK	1	80	18.37	18.37	18.29	20.0	0.0
30	PI2 BPSK	1	158	18.35	18.30	18.33		
30	PI2 BPSK	80	0	18.29	18.39	18.31	20.0	0.0
30	PI2 BPSK	80	40	18.32	18.41	18.35	20.0	0.0
30	PI2 BPSK	80	80	18.35	18.30	18.24		
30	PI2 BPSK	160	0	18.39	18.39	18.23	20.0	0.0
30	QPSK	1	1	18.40	18.45	18.37		
30	QPSK	1	80	18.30	18.35	18.25	20.0	0.0
30	QPSK	1	158	18.35	18.42	18.25		
30	QPSK	80	0	18.27	18.31	18.34	20.0	0.0
30	QPSK	80	40	18.33	18.40	18.30	20.0	0.0
30	QPSK	80	80	18.27	18.35	18.28		
30	QPSK	160	0	18.28	18.31	18.22	20.0	0.0
30	16QAM	1	1	18.31	18.30	18.26	20.0	0.0
30	64QAM	1	1	18.33	18.37	18.29	20.0	0.0
30	256QAM	1	1	18.28	18.38	18.25	20.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.38	18.32	18.36	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.27	18.39	18.32	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.27	18.33	18.23	20.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.27	18.41	18.27	20.0	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100		
Frequency (MHz)				690.5	690.5	690.5		
15	PI2 BPSK	1	1	23.17	23.16	23.22		
15	PI2 BPSK	1	40	23.12	23.18	23.04	24.5	0.0
15	PI2 BPSK	1	77	23.16	23.17	23.10		
15	PI2 BPSK	36	0	22.67	22.71	22.59	24.0	0.5
15	PI2 BPSK	36	22	23.15	23.22	23.07	24.5	0.0
15	PI2 BPSK	36	43	22.66	22.67	22.62		
15	PI2 BPSK	75	0	22.72	22.73	22.77	24.0	0.5
15	QPSK	1	1	23.25	23.26	23.27		
15	QPSK	1	40	23.17	23.25	23.18	24.5	0.0
15	QPSK	1	77	23.07	23.13	23.10		
15	QPSK	36	0	21.09	22.06	21.91	23.5	1.0
15	QPSK	36	22	23.15	23.25	23.16	24.5	0.0
15	QPSK	36	43	22.09	22.10	22.05		
15	QPSK	75	0	22.00	22.08	22.06	23.5	1.0
15	16QAM	1	1	21.96	22.01	22.05	23.5	1.0
15	64QAM	1	1	20.11	20.16	20.37	22.0	2.5
15	256QAM	1	1	19.11	19.14	19.13	20.0	4.5
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	693		
10	QPSK	1	1	23.16	23.19	23.26	24.5	0.0
Channel				133100	135100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				660.5	680.5	695.5		
5	QPSK	1	1	23.17	23.19	23.23	24.5	0.0

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100		
Frequency (MHz)				690.5	690.5	690.5		
15	PI2 BPSK	1	1	23.26	23.30	23.28		
15	PI2 BPSK	1	40	23.18	23.21	23.13	24.5	0.0
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.83	22.69	24.0	0.5
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.76	22.67		
15	PI2 BPSK	75	0	22.73	22.85	22.82	24.0	0.5
15	QPSK	1	1	23.34	23.35	23.33		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.28	23.16		
15	QPSK	36	0	22.07	22.16	22.02	23.5	1.0
15	QPSK	36	22	23.27	23.28	23.23	24.5	0.0
15	QPSK	36	43	22.13	22.21	22.17		
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10	23.5	1.0
15	64QAM	1	1	20.60	20.63	20.48	22.0	2.5
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	693		
10	QPSK	1	1	23.31	23.29	23.27	24.5	0.0
Channel				133100	135100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				660.5	680.5	695.5		
5	QPSK	1	1	23.30	23.29	23.19	24.5	0.0

Part27Q_n77_Ant 1							
RF (MHz)	Modulation	RB Size	RB Offset	Power Tx Ch 1 (Fem)	Power Tx Ch 2 (Fem)	Power Tx Ch 3 (Fem)	Time-up Rate (dBm)
Channel							
Frequency (MHz)							
100	PI32BPSK	1	1	15.07	15.07	15.07	
100	PI32BPSK	1	137	15.03	15.03	15.03	10.0
100	PI32BPSK	1	271	15.03	15.03	15.03	
100	PI32BPSK	155	5	15.03	15.03	15.03	10.0
100	PI32BPSK	155	64	15.04	15.04	15.04	10.0
100	PI32BPSK	225	9	15.07	15.07	15.07	
100	QPSK	1	1	15.04	15.04	15.04	10.0
100	QPSK	1	137	15.03	15.03	15.03	10.0
100	QPSK	1	271	15.04	15.04	15.04	
100	QPSK	155	5	15.03	15.03	15.03	10.0
100	QPSK	155	64	15.03	15.03	15.03	10.0
100	QPSK	225	9	15.07	15.07	15.07	
100	SSB-W	1	1	15.08	15.08	15.08	10.0
100	SSB-W	1	1	15.08	15.08	15.08	10.0
100	SSB-W	1	1	15.04	15.04	15.04	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.12	15.11	15.10	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.20	15.24	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.20	15.24	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.17	15.20	15.15	10.0
Channel							

Part27Q_n77_Ant 5									
SW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch / 1 PPM	Power Mid Ch / 1 PPM	Power High Ch / 1 PPM	Turn-up Time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
150	P12 BPSK	1	1	14.00	14.00	14.0			
150	P12 BPSK	1	127	14.00	14.00	14.0			
150	P12 BPSK	1	271	14.00	14.00	14.0			
150	P12 BPSK	150	4	14.10	14.10	14.0			
150	P12 BPSK	150	80	14.07	14.07	14.0			
150	P12 BPSK	150	128	14.00	14.00	14.0			
150	P12 BPSK	270	0	14.10	14.10	14.0			
150	QPSK	1	1	14.10	14.10	14.0			
150	QPSK	1	147	14.10	14.10	14.0			
150	QPSK	1	271	14.10	14.10	14.0			
150	QPSK	150	0	14.00	14.00	14.0			
150	QPSK	150	80	14.00	14.00	14.0			
150	QPSK	150	128	14.00	14.00	14.0			
150	QPSK	270	0	14.10	14.10	14.0			
150	QAM64	1	1	14.00	14.00	14.0			
150	QAM64	1	1	14.00	14.00	14.0			
150	QAM64	1	1	14.10	14.10	14.0			
Channel				0.0000	0.0000	0.0000	0.0000	14.00	14.00
Frequency (MHz)				14.00	14.00	14.00	14.00	14.00	14.00
30	QPSK	1	1	14.10	14.10	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.07	14.10			
Channel				0.0000	0.0000	0.0000	0.0000	14.00	14.00
Frequency (MHz)				14.00	14.00	14.00	14.00	14.00	14.00
45	QPSK	1	1	14.00	14.00	14.0			
45	QPSK	1	1	14.00	14.00	14.0			
45	QPSK	1	1	14.00	14.00	14.0			
45	QPSK	1	1	14.00	14.00	14.0			
45	QPSK	1	1	14.00	14.00	14.0			
Channel				0.0000	0.0000	0.0000	0.0000	14.00	14.00
Frequency (MHz)				14.00	14.00	14.00	14.00	14.00	14.00
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
30	QPSK	1	1	14.00	14.00	14.0			
Channel				0.0000	0.0000	0.0000	0.0000	14.00	14.00
Frequency (MHz)				14.00	14.00	14.00	14.00	14.00	14.00

Part27Q_n77_Ant 5									
SW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch / 1 PPM	Power Mid Ch / 1 PPM	Power High Ch / 1 PPM	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
150	P12 BPSK	1	1	13.70	13.80	13.94			
150	P12 BPSK	1	127	13.82	13.87	13.93	14.5	0.0	
150	P12 BPSK	1	271	13.77	13.80	13.86			
150	P12 BPSK	150	4	13.70	13.80	13.90	16.5	0.0	
150	P12 BPSK	150	80	13.80	13.80	13.87	17.0	0.0	
150	P12 BPSK	150	128	13.70	13.80	13.86	16.5	0.0	
150	P12 BPSK	270	0	13.71	13.80	13.84	16.5	0.0	
150	QPSK	1	1	13.94	13.90	13.90			
150	QPSK	1	147	13.71	13.80	13.80	16.5	0.0	
150	QPSK	1	271	13.81	13.80	13.81			
150	QPSK	150	0	13.69	13.87	13.94	16.5	0.0	
150	QPSK	150	80	13.77	13.80	13.80	16.5	0.0	
150	QPSK	150	128	13.71	13.80	13.80	16.5	0.0	
150	QPSK	270	0	13.70	13.80	13.80	16.5	0.0	
150	QAM64	1	1	13.80	13.80	13.80	16.5	0.0	
150	QAM64	1	1	13.72	13.80	13.80	16.5	0.0	
150	QAM64	1	1	13.70	13.80	13.80	16.5	0.0	
Channel				000					

Part27Q_n77_Ant 7									
SW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch / 1 PPM	Power Mid Ch / 1 PPM	Power High Ch / 1 PPM	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
150	P12 BPSK	1	1	14.10	14.10	14.10			
150	P12 BPSK	1	127	14.20	14.20	14.0			
150	P12 BPSK	1	271	14.10	14.10	14.00			
150	P12 BPSK	150	4	14.10	14.10	14.00			
150	P12 BPSK	150	80	14.20	14.20	14.0			
150	P12 BPSK	150	128	14.20	14.20	14.0			
150	P12 BPSK	270	0	14.10	14.10	14.00			
150	QPSK	1	1	14.20	14.20	14.0			
150	QPSK	1	147	14.20	14.20	14.0			
150	QPSK	1	271	14.20	14.20	14.00			
150	QPSK	150	0	14.20	14.20	14.0			
150	QPSK	150	80	14.20	14.20	14.0			
150	QPSK	150	128	14.20	14.20	14.0			
150	QPSK	270	0	14.20	14.20	14.0			
150	QAM64	1	1	14.20	14.20	14.0			
150	QAM64	1	1	14.20	14.20	14.0			
150	QAM64	1	1	14.20	14.20	14.0			
150	QAM64	150	0	14.20	14.20	14.0			
150	QAM64	150	80	14.20	14.20	14.0			
150	QAM64	150	128	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20	14.20	14.0			
150	QAM64	270	0	14.20					

Part27Q_n77_Ant 7											
SW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch / 1 PPM	Power Mid Ch / 1 PPM	Power High Ch / 1 PPM	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
150	P12 BPSK	1	1	14.10	14.10	14.10		10.0	0.0		
150	P12 BPSK	1	127	14.20	14.12	14.04					
150	P12 BPSK	1	271	14.16	14.00	13.90					
150	P12 BPSK	150	4	14.15	14.00	14.14	10.0				
150	P12 BPSK	150	80	14.14	14.10	14.00	10.0				
150	P12 BPSK	150	128	14.14	14.10	14.00	10.0				
150	P12 BPSK	270	0	14.16	14.17	13.97					
150	QPSK	1	1	14.27	14.20	14.10		10.0	0.0		
150	QPSK	1	147	14.23	14.16	14.08					
150	QPSK	1	271	14.14	14.10	14.00					
150	QPSK	150	0	14.20	14.16	14.00	10.0				
150	QPSK	150	80	14.20	14.16	14.00	10.0				
150	QPSK	150	128	14.23	14.07	14.00	10.0				
150	QPSK	270	0	14.13	14.03	14.00		10.0	0.0		
150	QPSK	1	1	14.20	14.08	14.00	10.0				
150	QPSK	1	1	14.14	14.11	14.01	10.0				
150	QPSK	1	1	14.24	14.17	14.00	10.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	14.10	14.14	14.10	10.0				
Channel											
Frequency (MHz)											
45	QPSK	1	1	14.10	14.20	14.20	10.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	14.10	14.10	14.10	10.0				
Channel											
Frequency (MHz)											
45	QPSK	1	1	14.14	14.31	14.21	10.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	14.14	14.27	14.21	10.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	14.14	14.00	14.00	10.0				
Channel											
Frequency (MHz)											
30	QPSK	1	1	14.14	14.14	14.00	10.0				

Reduced Power Mode for ECI 19

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1857.5	1880	1902.5			
20	PI2 BPSK	1	1	16.42	16.43	16.50			
20	PI2 BPSK	1	53	16.49	16.50	16.51	18.0	0.0	
20	PI2 BPSK	1	104	16.46	16.57	16.47			
20	PI2 BPSK	50	0	16.46	16.44	16.45	18.0	0.0	
20	PI2 BPSK	50	28	16.46	16.51	16.43	18.0	0.0	
20	PI2 BPSK	50	56	16.38	16.48	16.39			
20	PI2 BPSK	100	0	16.42	16.58	16.43	18.0	0.0	
20	QPSK	1	1	16.37	16.51	16.32			
20	QPSK	1	53	16.32	16.60	16.44	18.0	0.0	
20	QPSK	1	104	16.53	16.51	16.50			
20	QPSK	50	0	16.36	16.46	16.38	18.0	0.0	
20	QPSK	50	28	16.52	16.54	16.50	18.0	0.0	
20	QPSK	50	56	16.48	16.42	16.47	18.0	0.0	
20	QPSK	100	0	16.41	16.52	16.49			
20	16QAM	1	1	16.45	16.53	16.47	18.0	0.0	
20	64QAM	1	1	16.40	16.52	16.49	18.0	0.0	
20	256QAM	1	1	16.36	16.37	16.45	18.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.26	16.49	16.44	18.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.51	16.47	16.45	18.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	16.52	16.51	16.46	18.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1855	1880	1900			
20	PI2 BPSK	1	1	17.32	17.33	17.24			
20	PI2 BPSK	1	53	17.35	17.43	17.28	19.0	0.0	
20	PI2 BPSK	1	104	17.29	17.40	17.29			
20	PI2 BPSK	50	0	17.33	17.45	17.35	19.0	0.0	
20	PI2 BPSK	50	28	17.27	17.31	17.37	19.0	0.0	
20	PI2 BPSK	50	56	17.32	17.41	17.24			
20	PI2 BPSK	100	0	17.31	17.37	17.35	19.0	0.0	
20	QPSK	1	1	17.40	17.46	17.36			
20	QPSK	1	53	17.37	17.45	17.24	19.0	0.0	
20	QPSK	1	104	17.37	17.40	17.32			
20	QPSK	50	0	17.31	17.37	17.30	19.0	0.0	
20	QPSK	50	28	17.35	17.38	17.33	19.0	0.0	
20	QPSK	50	56	17.30	17.34	17.28	19.0	0.0	
20	QPSK	100	0	17.26	17.33	17.32			
20	16QAM	1	1	17.28	17.34	17.30	19.0	0.0	
20	64QAM	1	1	17.34	17.31	17.33	19.0	0.0	
20	256QAM	1	1	17.35	17.40	17.28	19.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	17.26	17.31	17.29	19.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	17.27	17.40	17.27	19.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	17.29	17.38	17.36	19.0	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1855	1880	1900			
20	PI2 BPSK	1	1	13.45	13.63	13.54			
20	PI2 BPSK	1	53	13.59	13.66	13.56	15.0	0.0	
20	PI2 BPSK	1	104	13.52	13.66	13.50			
20	PI2 BPSK	50	0	13.58	13.63	13.45	15.0	0.0	
20	PI2 BPSK	50	28	13.56	13.59	13.53	15.0	0.0	
20	PI2 BPSK	50	56	13.45	13.68	13.53			
20	PI2 BPSK	100	0	13.56	13.54	13.55	15.0	0.0	
20	QPSK	1	1	13.55	13.69	13.60			
20	QPSK	1	53	13.56	13.67	13.51	15.0	0.0	
20	QPSK	1	104	13.48	13.61	13.53			
20	QPSK	50	0	13.45	13.60	13.46	15.0	0.0	
20	QPSK	50	28	13.58	13.65	13.59	15.0	0.0	
20	QPSK	50	56	13.54	13.55	13.47	15.0	0.0	
20	QPSK	100	0	13.49	13.60	13.56			
20	16QAM	1	1	13.58	13.67	13.45	15.0	0.0	
20	64QAM	1	1	13.52	13.62	13.55	15.0	0.0	
20	256QAM	1	1	13.62	13.58	13.57	15.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	13.61	13.69	13.53	15.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	13.48	13.62	13.50	15.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	13.54	13.55	13.57	15.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				831.5	836.5	841.5			
20	PI2 BPSK	1	1	20.04	20.11	20.04			
20	PI2 BPSK	1	53	20.03	20.20	20.11	21.5	0.0	
20	PI2 BPSK	1	104	20.05	20.10	20.08			
20	PI2 BPSK	50	0	20.12	20.10	20.04	21.5	0.0	
20	PI2 BPSK	50	28	20.05	20.16	20.09	21.5	0.0	
20	PI2 BPSK	50	56	20.05	20.21	20.11			
20	PI2 BPSK	100	0	20.15	20.09	20.01	21.5	0.0	
20	QPSK	1	1	20.17	20.24	20.15			
20	QPSK	1	53	20.02	20.10	20.01	21.5	0.0	
20	QPSK	1	104	20.16	20.14	20.01			
20	QPSK	50	0	20.05	20.18	20.09	21.5	0.0	
20	QPSK	50	28	20.15	20.20	20.13	21.5	0.0	
20	QPSK	50	56	20.12	20.16	20.06	21.5	0.0	
20	QPSK	100	0	20.03	20.13	20.08			
20	16QAM	1	1	20.16	20.19	20.09	21.5	0.0	
20	16QAM	1	1	20.04	20.20	20.05	21.5	0.0	
20	256QAM	1	1	19.42	19.53	19.31	20.5	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.11	20.16	20.02	21.5	0.0	
Channel				165500	167300	169100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.05	20.23	20.06	21.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5			
5	QPSK	1	1	20.14	20.09	20.02	21.5	0.0	

n5_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				831.5	836.5	841.5			
20	PI2 BPSK	1	1	22.44	22.45	22.44			
20	PI2 BPSK	1	53	22.52	22.59	22.51	24.0	0.0	
20	PI2 BPSK	1	104	22.54	22.57	22.49			
20	PI2 BPSK	50	0	22.40	22.59	22.46	24.0	0.0	
20	PI2 BPSK	50	28	22.44	22.47	22.37	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.53	22.43			
20	PI2 BPSK	100	0	22.45	22.56	22.40	24.0	0.0	
20	QPSK	1	1	22.45	22.56	22.52			
20	QPSK	1	53	22.52	22.57	22.44	24.0	0.0	
20	QPSK	1	104	22.46	22.51	22.41			
20	QPSK	50	0	22.44	22.53	22.45	24.0	0.0	
20	QPSK	50	28	22.45	22.55	22.51	24.0	0.0	
20	QPSK	50	56	22.24	22.36	22.24	24.0	0.0	
20	QPSK	100	0	22.36	22.45	22.35			
20	16QAM	1	1	22.21	22.38	22.37	24.0	0.0	
20	16QAM	1	1	20.89	20.96	20.86	22.5	1.5	
20	256QAM	1	1	19.39	19.42	19.27	20.5	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.44	22.59	22.42	24.0	0.0	
Channel				165500	167300	169100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.43	22.55	22.45	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5			
5	QPSK	1	1	22.45	22.46	22.45	24.0	0.0	

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	15.0	0.0
Frequency (MHz)				23.10	23.55	23.90		
20	PI2 BPSK	1	1	13.45	13.51	13.44		
20	PI2 BPSK	1	53	13.50	13.52	13.50	15.0	0.0
20	PI2 BPSK	1	104	13.46	13.58	13.53		
20	PI2 BPSK	50	0	13.46	13.50	13.49		
20	PI2 BPSK	50	28	13.52	13.51	13.48	15.0	0.0
20	PI2 BPSK	50	56	13.46	13.53	13.52	15.0	0.0
20	PI2 BPSK	100	0	13.59	13.51	13.44		
20	QPSK	1	1	13.50	13.55	13.58		
20	QPSK	1	53	13.57	13.57	13.50	15.0	0.0
20	QPSK	1	104	13.46	13.59	13.55	15.0	0.0
20	QPSK	50	0	13.53	13.60	13.50		
20	QPSK	50	28	13.59	13.63	13.55		
20	QPSK	50	56	13.46	13.62	13.45	15.0	0.0
20	QPSK	100	0	13.57	13.58	13.51	15.0	0.0
20	16QAM	1	1	13.56	13.61	13.48		
20	64QAM	1	1	13.45	13.52	13.51		
20	256QAM	1	1	13.52	13.53	13.44	15.0	0.0
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.57	13.57	13.44		
Channel				503000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.53	13.63	13.57		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.45	13.62	13.48		

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	17.0	0.0
Frequency (MHz)				23.10	23.55	23.90		
20	PI2 BPSK	1	1	15.69	15.69	15.63		
20	PI2 BPSK	1	53	15.60	15.70	15.68	17.0	0.0
20	PI2 BPSK	1	104	15.68	15.71	15.72		
20	PI2 BPSK	50	0	15.63	15.66	15.72		
20	PI2 BPSK	50	28	15.67	15.72	15.63	17.0	0.0
20	PI2 BPSK	50	56	15.69	15.64	15.66	17.0	0.0
20	PI2 BPSK	100	0	15.58	15.71	15.66		
20	QPSK	1	1	15.70	15.77	15.73		
20	QPSK	1	53	15.59	15.66	15.69	17.0	0.0
20	QPSK	1	104	15.67	15.68	15.70	17.0	0.0
20	QPSK	50	0	15.63	15.71	15.68		
20	QPSK	50	28	15.69	15.74	15.70		
20	QPSK	50	56	15.68	15.70	15.63	17.0	0.0
20	QPSK	100	0	15.65	15.72	15.68	17.0	0.0
20	16QAM	1	1	15.62	15.75	15.66		
20	64QAM	1	1	15.60	15.68	15.68		
20	256QAM	1	1	15.67	15.64	15.58	17.0	0.0
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.60	15.70	15.67		
Channel				503000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.58	15.74	15.65		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.63	15.64	15.60		

n7_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	16.0	0.0
Frequency (MHz)				23.10	23.55	23.90		
20	PI2 BPSK	1	1	14.39	14.38	14.37		
20	PI2 BPSK	1	53	14.38	14.39	14.32	16.0	0.0
20	PI2 BPSK	1	104	14.39	14.45	14.43		
20	PI2 BPSK	50	0	14.34	14.42	14.46		
20	PI2 BPSK	50	28	14.36	14.48	14.42	16.0	0.0
20	PI2 BPSK	50	56	14.40	14.51	14.38	16.0	0.0
20	PI2 BPSK	100	0	14.32	14.51	14.42		
20	QPSK	1	1	14.36	14.52	14.47		
20	QPSK	1	53	14.39	14.50	14.40	16.0	0.0
20	QPSK	1	104	14.43	14.43	14.39	16.0	0.0
20	QPSK	50	0	14.37	14.42	14.38		
20	QPSK	50	28	14.40	14.48	14.42		
20	QPSK	50	56	14.36	14.44	14.36	16.0	0.0
20	QPSK	100	0	14.31	14.44	14.32	16.0	0.0
20	16QAM	1	1	14.45	14.38	14.39		
20	64QAM	1	1	14.41	14.51	14.43		
20	256QAM	1	1	14.35	14.41	14.41	15.0	1.0
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.39	14.34	14.42		
Channel				503000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.31	14.36	14.32		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.30	14.29	14.29		

n66_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	17.77	17.75	17.72		
30	PI2 BPSK	1	80	17.68	17.76	17.72	19.0	0.0
30	PI2 BPSK	1	158	17.77	17.84	17.79		
30	PI2 BPSK	80	0	17.67	17.84	17.79	19.0	0.0
30	PI2 BPSK	80	40	17.69	17.80	17.81	19.0	0.0
30	PI2 BPSK	80	80	17.70	17.86	17.71		
30	PI2 BPSK	160	0	17.76	17.85	17.67	19.0	0.0
30	QPSK	1	1	17.80	17.88	17.82		
30	QPSK	1	80	17.67	17.73	17.79	19.0	0.0
30	QPSK	1	158	17.77	17.77	17.80		
30	QPSK	80	0	17.68	17.82	17.72	19.0	0.0
30	QPSK	80	40	17.69	17.84	17.80	19.0	0.0
30	QPSK	80	80	17.86	17.83	17.69	19.0	0.0
30	QPSK	160	0	17.77	17.80	17.78		
30	16QAM	1	1	17.65	17.87	17.76	19.0	0.0
30	64QAM	1	1	17.65	17.73	17.80	19.0	0.0
30	256QAM	1	1	17.76	17.75	17.67	19.0	0.0
Channel				344000	348000	346000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.26	17.74	17.74	19.0	0.0
Channel				343000	345000	345000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.73	17.86	17.70	19.0	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.79	17.87	17.80	19.0	0.0
Channel				342000	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.75	17.82	17.68	19.0	0.0

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	19.16	19.21	19.21		
30	PI2 BPSK	1	80	19.17	19.27	19.15	20.5	0.0
30	PI2 BPSK	1	158	19.10	19.23	19.11		
30	PI2 BPSK	80	0	19.13	19.15	19.20	20.5	0.0
30	PI2 BPSK	80	40	19.13	19.15	19.09	20.5	0.0
30	PI2 BPSK	80	80	19.12	19.25	19.11		
30	PI2 BPSK	160	0	19.16	19.29	19.21	20.5	0.0
30	QPSK	1	1	19.20	19.30	19.22		
30	QPSK	1	80	19.21	19.28	19.15	20.5	0.0
30	QPSK	1	158	19.10	19.29	19.18		
30	QPSK	80	0	19.12	19.20	19.18	20.5	0.0
30	QPSK	80	40	19.23	19.26	19.20	20.5	0.0
30	QPSK	80	80	19.22	19.22	19.07	20.5	0.0
30	QPSK	160	0	19.13	19.17	19.10		
30	16QAM	1	1	19.14	19.22	19.14	20.5	0.0
30	64QAM	1	1	19.13	19.19	19.21	20.5	0.0
30	256QAM	1	1	19.02	19.06	19.04	20.0	0.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.30	19.20	19.10	20.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.17	19.18	19.15	20.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.18	19.24	19.14	20.5	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.11	19.20	19.12	20.5	0.0

n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	15.29	15.35	15.29		
30	PI2 BPSK	1	80	15.33	15.42	15.36	17.0	0.0
30	PI2 BPSK	1	158	15.34	15.44	15.27		
30	PI2 BPSK	80	0	15.32	15.41	15.24	17.0	0.0
30	PI2 BPSK	80	40	15.38	15.45	15.35	17.0	0.0
30	PI2 BPSK	80	80	15.36	15.43	15.27		
30	PI2 BPSK	160	0	15.30	15.41	15.26	17.0	0.0
30	QPSK	1	1	15.30	15.30	15.38		
30	QPSK	1	80	15.37	15.40	15.30	17.0	0.0
30	QPSK	1	158	15.39	15.38	15.27		
30	QPSK	80	0	15.35	15.37	15.24	17.0	0.0
30	QPSK	80	40	15.41	15.45	15.30	17.0	0.0
30	QPSK	80	80	15.33	15.40	15.26	17.0	0.0
30	QPSK	160	0	15.30	15.42	15.28		
30	16QAM	1	1	15.37	15.47	15.34	17.0	0.0
30	64QAM	1	1	15.37	15.36	15.35	17.0	0.0
30	256QAM	1	1	15.28	15.49	15.29	17.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.34	15.38	15.25	17.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.27	15.48	15.36	17.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.30	15.36	15.27	17.0	0.0
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.29	15.45	15.34	17.0	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100		
Frequency (MHz)				692.5	690.5	692.5		
15	PI2 BPSK	1	1	21.12	21.31	21.16	22.5	0.0
15	PI2 BPSK	1	40	21.15	21.31	21.18		
15	PI2 BPSK	1	77	21.08	21.24	21.23		
15	PI2 BPSK	36	0	21.10	21.25	21.17	22.5	0.0
15	PI2 BPSK	36	22	21.09	21.28	21.10	22.5	0.0
15	PI2 BPSK	36	43	21.06	21.31	21.23	22.5	0.0
15	PI2 BPSK	75	0	21.14	21.20	21.16		
15	QPSK	1	1	21.20	21.32	21.24		
15	QPSK	1	40	21.11	21.27	21.19	22.5	0.0
15	QPSK	1	77	21.17	21.27	21.19	22.5	0.0
15	QPSK	36	0	21.15	21.18	21.20		
15	QPSK	36	22	21.19	21.24	21.22		
15	QPSK	36	43	21.13	21.20	21.10	22.5	0.0
15	QPSK	75	0	21.16	21.20	21.09	22.5	0.0
15	16QAM	1	1	21.06	21.17	21.13		
15	64QAM	1	1	20.91	20.95	20.97		
15	256QAM	1	1	19.11	19.14	19.13	20.0	2.5
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663		
10	QPSK	1	1	21.19	21.28	21.14	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	QPSK	1	1	21.06	21.19	21.13	22.5	0.0

n71_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				134100	136100	138100		
Frequency (MHz)				691.5	690.5	690.5		
15	PI2 BPSK	1	1	23.28	23.30	23.29	24.5	0.0
15	PI2 BPSK	1	40	23.18	23.21	23.13		
15	PI2 BPSK	1	77	23.20	23.26	23.13		
15	PI2 BPSK	36	0	22.77	22.81	22.69	24.0	0.5
15	PI2 BPSK	36	22	23.23	23.25	23.12	24.5	0.0
15	PI2 BPSK	36	43	22.74	22.76	22.67	24.0	0.5
15	PI2 BPSK	75	0	22.73	22.85	22.82		
15	QPSK	1	1	23.34	23.36	23.33		
15	QPSK	1	40	23.26	23.32	23.22	24.5	0.0
15	QPSK	1	77	23.16	23.28	23.16	23.5	1.0
15	QPSK	36	0	22.07	22.16	22.02		
15	QPSK	36	22	23.27	23.28	23.23		
15	QPSK	36	43	22.13	22.21	22.17	23.5	1.0
15	QPSK	75	0	22.13	22.19	22.16	23.5	1.0
15	16QAM	1	1	22.06	22.15	22.10		
15	64QAM	1	1	20.60	20.63	20.48		
15	256QAM	1	1	19.25	19.28	19.15	20.0	4.5
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663		
10	QPSK	1	1	23.31	23.29	23.27	24.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	QPSK	1	1	23.30	23.29	23.19	24.5	0.0

FCC_n41_Ant 1									
BW (MHz)	Modulation	FE Size	FE Offset	Power Line Co. / Freq.	Power Noise Co. / Freq.	Power High Co. / Freq.	Turn-up time (min)	Appts (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	13.29	13.23	13.25			
100	PSS-BPSK	1	137	13.30	13.27	13.28	15.0	0.0	
100	PSS-BPSK	1	271	13.30	13.16	13.27			
100	PSS-BPSK	100	0	13.27	13.24	13.31	15.0	0.0	
100	PSS-BPSK	100	80	13.32	13.28	13.30	15.0	0.0	
100	PSS-BPSK	200	100	13.28	13.20	13.21			
100	PSS-BPSK	200	0	13.41	13.29	13.30	15.0	0.0	
100	QPSK	1	1	13.42	13.31	13.34			
100	QPSK	1	137	13.30	13.16	13.21	15.0	0.0	
100	QPSK	1	271	13.30	13.21	13.27			
100	QPSK	100	0	13.26	13.20	13.27	15.0	0.0	
100	QPSK	100	80	13.40	13.32	13.35	15.0	0.0	
100	QPSK	100	100	13.39	13.12	13.28	15.0	0.0	
100	QPSK	200	0	13.31	13.10	13.15			
100	HQDM	1	1	13.31	13.20	13.21	15.0	0.0	
100	HQDM	1	1	13.30	13.25	13.28	15.0	0.0	
100	HQDM	1	1	13.29	13.24	13.27			
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.30	13.10	13.20	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.29	13.16	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.41	13.16	13.25	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.38	13.28	13.33	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.39	13.17	13.31	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.39	13.21	13.31	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.31	13.27	13.29	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.31	13.13	13.24	15.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	FE Size	FE Offset	Power Line Co. / Freq.	Power Noise Co. / Freq.	Power High Co. / Freq.	Turn-up time (min)	Appts (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	14.70	14.50	14.57			
100	PSS-BPSK	1	137	14.69	14.50	14.50	15.0	0.0	
100	PSS-BPSK	1	271	14.68	14.53	14.58			
100	PSS-BPSK	100	0	14.69	14.53	14.54	15.0	0.0	
100	PSS-BPSK	100	80	14.72	14.60	14.65	15.0	0.0	
100	PSS-BPSK	200	100	14.68	14.54	14.61			
100	PSS-BPSK	200	0	14.72	14.62	14.65	15.0	0.0	
100	QPSK	1	1	14.77	14.57	14.65			
100	QPSK	1	137	14.69	14.50	14.54	15.0	0.0	
100	QPSK	1	271	14.73	14.65	14.67			
100	QPSK	100	0	14.70	14.62	14.65	15.0	0.0	
100	QPSK	100	80	14.71	14.61	14.63	15.0	0.0	
100	QPSK	100	100	14.70	14.61	14.63	15.0	0.0	
100	QPSK	200	0	14.70	14.60	14.64			
100	HQDM	1	1	14.69	14.50	14.53	15.0	0.0	
100	HQDM	1	1	14.70	14.54	14.60	15.0	0.0	
100	HQDM	1	1	14.72	14.60	14.67			
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.70	14.50	14.53	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.69	14.54	14.55	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.70	14.56	14.65	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.70	14.60	14.68	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.70	14.61	14.70	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.69	14.65	14.65	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.70	14.54	14.57	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.72	14.53	14.55	15.0	0.0	

FCC_n41_Ant 4									
BW (MHz)	Modulation	FE Size	FE Offset	Power Line Co. / Freq.	Power Noise Co. / Freq.	Power High Co. / Freq.	Turn-up time (min)	Appts (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	14.43	14.24	14.37			
100	PSS-BPSK	1	137	14.40	14.30	14.30	15.0	0.0	
100	PSS-BPSK	1	271	14.40	14.30	14.34			
100	PSS-BPSK	100	0	14.40	14.32	14.35	15.0	0.0	
100	PSS-BPSK	100	80	14.45	14.31	14.41	15.0	0.0	
100	PSS-BPSK	200	100	14.40	14.27	14.30			
100	PSS-BPSK	200	0	14.40	14.29	14.35	15.0	0.0	
100	QPSK	1	1	14.45	14.40	14.44			
100	QPSK	1	137	14.40	14.32	14.41	15.0	0.0	
100	QPSK	1	271	14.46	14.35	14.39			
100	QPSK	100	0	14.40	14.28	14.33	15.0	0.0	
100	QPSK	100	80	14.42	14.30	14.41	15.0	0.0	
100	QPSK	100	100	14.41	14.32	14.40	15.0	0.0	
100	QPSK	200	0	14.40	14.28	14.37			
100	HQDM	1	1	14.40	14.28	14.35	15.0	0.0	
100	HQDM	1	1	14.42	14.31	14.38	15.0	0.0	
100	HQDM	1	1	14.42	14.37	14.42			
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.40	14.30	14.33	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.40	14.28	14.41	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.40	14.27	14.37	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.34	14.26	14.34	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.43	14.31	14.39	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.40	14.31	14.33	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.31	14.37	14.30	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.45	14.30	14.37	15.0	0.0	



Part27Q_n77_Ant 1									
BW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. 1 (Fem)	Power Power Ch. 1 (Fem)	Power High Ch. 1 (Fem)	Turn-up time (min)	SAPs (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	10.25					
100	P12-BPSK	1	137	10.30			11.0	0.0	
100	P12-BPSK	1	271	10.48					
100	P12-BPSK	100	5	10.41			11.0	0.0	
100	P12-BPSK	100	80	10.32			11.0	0.0	
100	P12-BPSK	100	138	10.30			11.0	0.0	
100	P12-BPSK	200	5	10.49					
100	QPSK	1	1	10.44					
100	QPSK	1	137	10.20			11.0	0.0	
100	QPSK	1	271	10.31					
100	QPSK	100	5	10.30			11.0	0.0	
100	QPSK	100	80	10.30			11.0	0.0	
100	QPSK	100	138	10.32			11.0	0.0	
100	QPSK	200	5	10.32					
100	HQAM	1	1	10.40			11.0	0.0	
100	HQAM	1	1	10.36			10.0	0.0	
100	HQAM	1	1	10.37			10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.22	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.22	10.00	10.00	10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.23	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.23	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.24	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.24	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.25	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.25	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.26	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.26	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.27	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.27	10.00	10.00	11.0	0.0	

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. 1 (Fem)	Power High Ch. 1 (Fem)	Power High Ch. 2 (Fem)	Turn-up time (min)	SAPs (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	10.05	10.14	10.00			
100	P12-BPSK	1	137	10.07	10.13	10.10	11.0	0.0	
100	P12-BPSK	1	271	10.06	10.05	10.00			
100	P12-BPSK	100	5	9.99	10.10	10.00	11.0	0.0	
100	P12-BPSK	100	80	10.05	10.10	10.00	11.0	0.0	
100	P12-BPSK	100	138	9.99	10.17	10.00			
100	P12-BPSK	200	5	9.97	10.08	10.10	11.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	1	10.10	10.00	10.10			
100	QPSK	1	137	9.99	10.11	10.00	11.0	0.0	
100	QPSK	1	271	10.05	10.13	10.00			
100	QPSK	100	5	9.99	10.05	10.00	11.0	0.0	
100	QPSK	100	80	10.00	10.17	10.10	11.0	0.0	
100	QPSK	100	138	10.00	10.12	10.00	11.0	0.0	
100	QPSK	200	5	10.00	10.10	10.10			
100	HQAM	1	1	10.00	10.00	10.10	11.0	0.0	
100	HQAM	1	1	9.97	10.10	10.00	10.0	0.0	
100	HQAM	1	1	9.97	10.10	10.00	10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.02	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.02	10.00	10.00	10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.03	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.03	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.04	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.04	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.05	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.05	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.06	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.06	10.00	10.00	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.07	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.07	10.00	10.00	11.0	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. 1 (Fem)	Power Power Ch. 1 (Fem)	Power High Ch. 1 (Fem)	Turn-up time (min)	SAPs (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	10.05					
100	P12-BPSK	1	137	10.02			10.5	0.0	
100	P12-BPSK	1	271	10.00					
100	P12-BPSK	100	5	10.00			10.5	0.0	
100	P12-BPSK	100	80	10.00			10.5	0.0	
100	P12-BPSK	100	138	10.00			10.5	0.0	
100	P12-BPSK	200	5	10.00			10.5	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	1	10.00					
100	QPSK	1	137	10.00			10.5	0.0	
100	QPSK	1	271	10.00					
100	QPSK	100	5	10.00			10.5	0.0	
100	QPSK	100	80	10.00			10.5	0.0	
100	QPSK	100	138	10.00			10.5	0.0	
100	QPSK	200	5	10.00			10.5	0.0	
100	HQAM	1	1	10.00			10.5	0.0	
100	HQAM	1	1	10.00			10.0	0.0	
100	HQAM	1	1	10.00			10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.02	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.02	10.00	10.00	10.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.03	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.03	10.00	10.00	10.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.04	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.04	10.00	10.00	10.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.05	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.05	10.00	10.00	10.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.06	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.06	10.00	10.00	10.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.07	10.00	10.00	Turn-up time (min)	SAPs (dB)	
40	QPSK	1	1	10.07	10.00	10.00	10.5	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	FE Size	FE Offset	Power Low Ch. 1 (Fem)	Power Power Ch. 1 (Fem)	Power High Ch. 1 (Fem)	Turn-up time (min)	SAPs (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	10.10	10.00	10.10			
100	P12-BPSK	1	137	10.09	10.10	10.10	10.5	0.0	
100	P12-BPSK	1	271	10.10	10.00	10.10			
100	P12-BPSK	100	5	10.07	10.10	10.00	10.5	0.0	
100	P12-BPSK	100	80	10.00	10.00	10.00	10.5	0.0	
100	P12-BPSK	100	160	10.00	10.00	10.00	10.5	0.0	
100	P12-BPSK	200	0	10.10	10.00	10.00	10.5	0.0	
Channel									
100	QPSK	1	1	10.10	10.10	10.10			
100	QPSK	1	137	10.10	10.10	10.10	10.5	0.0	
100	QPSK	1	271	10.08	10.07	10.10			
100	QPSK	100	5	10.00	10.00	10.00	10.5	0.0	
100	QPSK	100	80	10.00	10.00	10.00	10.5	0.0	
100	QPSK	100	160	10.00	10.00	10.00	10.5	0.0	
100	QPSK	200	0	10.10	10.00	10.00	10.5	0.0	
Channel									
100	QPSK	1	1	10.10	10.10	10.10			
100	QPSK	1	137	10.10	10.10	10.10	10.5	0.0	
100	QPSK	1	271	10.08	10.07	10.10			
100	QPSK	100	5	10.00	10.00	10.00	10.5	0.0	
100	QPSK	100	80	10.00	10.00	10.00	10.5	0.0	
100	QPSK	100	160	10.00	10.00	10.00	10.5	0.0	
100	QPSK	200	0	10.10	10.00	10.00	10.5	0.0	
Channel									
80	QPSK	1	1	10.10	10.00	10.10			
80	QPSK	1	137	10.09	10.10	10.10	10.0	0.0	
Channel									
80	QPSK	1	1	10.10	10.00	10.10			
80	QPSK	1	137	10.09	10.10	10.10	10.0	0.0	
Channel									
40	QPSK	1	1	10.10	10.00	10.10			
40	QPSK	1	137	10.09	10.10	10.10	10.0	0.0	
Channel									
20	QPSK	1	1	10.10	10.00	10.10			
20	QPSK	1	137	10.09	10.10	10.10	10.0	0.0	

Par27O_n77_Ant_2									
SPR [Hz]	Modulation	Res	Rel. Offset	Phase Offset	Peak Ch. Freq.	Peak Mag.	Phase Mag.	Waveform Type	SPR [Hz]
Channel				Offset	Offset	Offset	Offset		
100	PRF 50MHz	1	0	15.72	7.995	12.55			
100	PRF 50MHz	1	157	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	315	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	472	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	630	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	787	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	945	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1102	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1260	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1417	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1575	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1732	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	1890	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2047	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2205	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2362	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2520	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2677	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2835	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	2992	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3150	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3307	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3465	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3622	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3780	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	3937	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4095	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4252	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4410	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4567	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4725	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	4882	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5040	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5197	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5355	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5512	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5670	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5827	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	5985	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6142	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6300	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6457	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6615	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6772	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	6930	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7087	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7245	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7402	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7560	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7717	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	7875	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8032	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8190	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8347	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8505	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8662	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8820	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	8977	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9135	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9292	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9450	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9607	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9765	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	9922	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10080	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10237	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10395	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10552	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10710	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	10867	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11025	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11182	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11340	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11497	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11655	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11812	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	11970	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12127	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12285	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12442	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12600	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12757	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	12915	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13072	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13230	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13387	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13545	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13702	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	13860	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14017	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14175	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14332	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14490	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14647	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14805	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	14962	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15120	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15277	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15435	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15592	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15750	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	15907	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16065	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16222	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16380	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16537	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16695	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	16852	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17010	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17167	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17325	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17482	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17640	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17797	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	17955	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18112	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18270	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18427	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18585	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18742	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	18900	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19057	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19215	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19372	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19530	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19687	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	19845	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20002	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20160	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20317	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20475	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20632	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20790	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	20947	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	21105	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	21262	12.87	12.55	12.55	13.1	0.0	
100	PRF 50MHz	1	21420	12.87	12.55	12.55	13.1		

Default/Full							
Art 6							
Mode	Channel	Frequency (MHz)	Average power (dBm)				
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps
BR / EDR	CH 00	2402	16.89	18.50	14.02	15.50	13.97
	CH 39	2441	17.25	18.50	14.63	15.50	14.58
	CH 78	2480	16.51	18.50	13.80	15.50	13.75

Head Simultaneous(WWAN+BT/5G+BT/WWAN+5G+BT)							
Art 6							
Mode	Channel	Frequency (MHz)	Average power (dBm)				
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps
BR / EDR	CH 00	2402	12.59	14.50	9.72	11.50	9.57
	CH 39	2441	12.95	14.50	10.33	11.50	10.38
	CH 78	2480	12.51	14.50	9.50	11.50	9.52

Default/Full							
Art 6							
Mode	Channel	Frequency (MHz)	Average power (dBm)				
			1Mbps		128Kbps	500Kbps	
LE	CH 00	2402	5.99		5.89	5.83	
	CH 19	2440	6.19		6.13	6.07	
	CH 38	2478	5.97		5.82	5.77	
Tune-up Limit			7.5		7.5	7.5	

Default/Full							
Art 6							
Mode	Channel	Frequency (MHz)	Average power (dBm)				
				2Mbps			
LE	CH 01	2404		5.92			
	CH 19	2440		6.14			
	CH 38	2478		5.94			
Tune-up Limit				7.5			

<WLAN 24GHz>

	Default/Ful				Head Standalone		Head Simultaneous WWAN+2.4G		Hotspot Standalone Simultaneous WWAN+2.4G		Body worn Standalone (Sensor off) Simultaneous Sensor off WWAN+2.4G		Duty Cycle %		
	Mode	Channel	Frequency (MHz)	RU Config	Avg 6		Avg 6		Avg 6		Avg 6				
					Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			
2.4GHz WLAN	802.11b-1Mbps	1	2412	Ful	18.13	20.00	18.13	20.00	15.67	17.50	18.13	20.00	18.13	20.00	99.53
		6	2437	Ful	18.27	20.00	18.27	20.00	15.62	17.50	18.27	20.00	18.27	20.00	
		11	2462	Ful	18.19	20.00	18.19	20.00	15.71	17.50	18.19	20.00	18.19	20.00	
		1	2412	Ful	17.00	19.00	17.00	19.00	17.50	17.00	19.00	17.50	17.00	19.00	
		6	2437	Ful	17.29	19.00	17.29	19.00	17.50	17.29	19.00	17.29	19.00		
		11	2462	Ful	16.23	18.00	16.23	18.00	17.50	16.23	18.00	16.23	18.00		
	802.11g 6Mbps	1	2412	Ful	17.00	19.00	17.00	19.00	17.50	17.00	19.00	17.50	17.00	19.00	96.50
		6	2437	Ful	18.06	20.00	18.06	20.00	17.50	18.06	20.00	18.06	20.00	18.06	
		11	2462	Ful	14.51	16.50	14.51	16.50	16.50	14.51	16.50	14.51	16.50		
		3	2422	Ful	15.56	17.00	15.56	17.00	17.00	15.56	17.00	15.56	17.00		
		6	2437	Ful	15.67	17.00	15.67	17.00	17.00	15.67	17.00	15.67	17.00		
		11	2462	Ful	11.54	13.00	11.54	13.00	13.00	11.54	13.00	11.54	13.00		
	802.11n-HT40 MCS0	1	2412	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00	92.46	
		6	2437	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00		
		11	2462	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00		
		3	2422	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00		
		6	2437	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00		
		11	2462	Ful	15.00	19.00	15.00	19.00	15.00	15.00	19.00	15.00	19.00		
	802.11ac-VHT20 MCS0	1	2412	Ful	17.00	19.00	17.00	19.00	17.50	17.00	19.00	17.50	17.00	19.00	96.23
		6	2437	Ful	18.20	20.00	18.20	20.00	17.50	18.20	20.00	18.20	20.00	18.20	
		11	2462	Ful	14.53	16.50	14.53	16.50	16.50	14.53	16.50	14.53	16.50		
		3	2422	Ful	16.63	18.00	16.63	18.00	17.50	16.63	18.00	16.63	18.00		
		6	2437	Ful	17.70	19.00	17.70	19.00	17.50	17.70	19.00	17.70	19.00		
		9	2452	Ful	11.59	13.00	11.59	13.00	13.00	11.59	13.00	11.59	13.00		

<WLAN 5GHz>

	Default/Ful				Head Standalone		Head Simultaneous WWAN+5G+5G-HT		Head Simultaneous WWAN+5G+5G-HT		Hotspot Standalone		Hotspot Simultaneous WWAN+5G+5G-HT		Hotspot Simultaneous WWAN+5G+5G-HT		Extremely Standalone (Sensor on)		Extremely Simultaneous (Sensor on) WWAN+5G+5G-HT		Body worn Standalone (Sensor off)		Body worn Simultaneous (Sensor off) WWAN+5G+5G-HT		Duty Cycle %	
	Mode	Channel	Frequency (MHz)	RU Config	Avt 6		Avt 6		Avt 6		Avt 6		Avt 6		Avt 6		Avt 6		Avt 6		Avt 6		Avt 6			
					Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		Average power (dBm)
5.2GHz WLAN	802.11a 1Mbps	35	5180	Ful	17.32	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.32	19.00	17.32	19.00	15.00	17.32	19.00	97.20	
		40	5200	Ful	17.42	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.42	19.00	17.42	19.00	15.00	17.42	19.00		
		44	5220	Ful	17.51	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.51	19.00	17.51	19.00	15.00	17.51	19.00		
		48	5240	Ful	17.37	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.37	19.00	17.37	19.00	15.00	17.37	19.00		
		35	5180	Ful	17.42	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.42	19.00	17.42	19.00	15.00	17.42	19.00		
		40	5200	Ful	17.50	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.50	19.00	17.50	19.00	15.00	17.50	19.00		
	802.11n-HT20 MCS0	44	5220	Ful	17.59	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.59	19.00	17.59	19.00	15.00	17.59	19.00	96.23	
		48	5240	Ful	17.46	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.46	19.00	17.46	19.00	15.00	17.46	19.00		
		35	5180	Ful	16.86	19.00	Required	17.00	14.00	Required	11.50	16.66	18.00	Not Required	15.00	13.00	16.86	18.00	Not Required	15.00	16.86	18.00	15.00	16.86		18.00
		44	5220	Ful	17.69	19.00	Not Required	17.00	14.00	11.50	16.59	18.00	15.00	13.00	16.81	18.00	Not Required	15.00	17.69	19.00	17.69	19.00	15.00	17.69		19.00
		48	5240	Ful	17.50	19.00	Not Required	17.00	14.00	11.50	16.50	18.00	15.00	13.00	16.50	18.00	Not Required	15.00	17.50	19.00	17.50	19.00	15.00	17.50		19.00
		40	5200	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	16.00	18.00	15.00	13.00	16.00	18.00	Not Required	15.00	17.00	19.00	17.00	19.00	15.00	17.00		19.00
	802.11ac-VHT20 MCS0	44	5220	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00	96.23	
		35	5180	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00		
		44	5220	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00		
		48	5240	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00		
		35	5180	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00		
		44	5220	Ful	17.00	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.00	19.00	17.00	19.00	15.00	17.00	19.00		
	802.11ac-VHT40 MCS0	42	5210	Ful	15.59	17.00	15.59	17.00	12.46	14.00	10.15	17.00	15.83	15.00	11.62	14.00	17.00	16.59	17.00	16.59	17.00	15.00	16.59	17.00	93.10	
		35	5180	Ful	17.51	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.51	19.00	17.51	19.00	15.00	17.51	19.00		
		42	5210	Ful	17.55	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.55	19.00	17.55	19.00	15.00	17.55	19.00		
		48	5240	Ful	17.46	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.46	19.00	17.46	19.00	15.00	17.46	19.00		
		35	5180	Ful	17.59	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.59	19.00	17.59	19.00	15.00	17.59	19.00		
		42	5210	Ful	16.59	17.00	15.59	17.00	12.46	14.00	10.15	17.00	15.83	15.00	11.62	14.00	17.00	16.59	17.00	16.59	17.00	15.00	16.59	17.00		
	802.11n-HE40 MCS0	38	5190	Ful	16.71	19.00	Not Required	17.00	14.00	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	16.71	19.00	16.71	19.00	15.00	16.71	19.00	93.10	
		42	5210	Ful	17.73	19.00	17.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	17.73	19.00	17.73	19.00	15.00	17.73	19.00		
		38	5190	Ful	15.66	17.00	15.00	14.00	11.50	11.50	18.00	15.00	15.00	13.00	13.00	13.00	15.00	15.66	17.00	15.66	17.00	15.00	15.66	17.00	97.80	