

Default Power for WWAN

GSM850_Ant 0	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	848.6	824.2	836.4	848.6	
	GSM 1 Tx slot	32.70	32.74	32.72	33.50	23.70	23.74	23.72
	GPRS 1 Tx slot	32.66	32.68	32.69	33.50	23.66	23.68	23.69
	GPRS 2 Tx slots	30.19	30.14	30.22	30.50	24.19	24.14	24.22
	GPRS 3 Tx slots	26.35	26.33	26.36	26.70	24.09	24.07	24.10
	GPRS 4 Tx slots	26.93	26.96	26.92	27.50	23.93	23.96	23.92
	EDGE 1 Tx slot	26.61	26.66	26.61	27.50	17.61	17.66	17.61
	EDGE 2 Tx slots	23.65	23.67	23.64	24.50	17.65	17.67	17.64
	EDGE 3 Tx slots	21.73	21.78	21.71	22.70	17.47	17.52	17.45
	EDGE 4 Tx slots	20.94	20.97	20.86	21.50	17.94	17.97	17.86

GSM850_Ant 1	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	848.6	(dBm)	824.2	836.4	848.6		
GSM 1 Tx slot		32.58	32.43	32.37	33.50	23.58	23.43	23.37	24.50	
GPRS 1 Tx slot		32.56	32.41	32.34	33.50	23.56	23.41	23.34	24.50	
GPRS 2 Tx slots		29.92	29.77	29.76	30.50	23.92	23.77	23.76	24.50	
GPRS 3 Tx slots		26.07	27.96	27.93	26.70	23.81	23.70	23.67	24.44	
GPRS 4 Tx slots		26.71	26.73	26.58	27.50	23.71	23.73	23.58	24.50	
EDGE 1 Tx slot		26.23	26.31	26.27	27.00	17.23	17.31	17.27	18.00	
EDGE 2 Tx slots		23.30	23.36	23.32	24.00	17.30	17.36	17.32	18.00	
EDGE 3 Tx slots		21.44	21.42	21.38	22.20	17.18	17.16	17.12	17.94	
EDGE 4 Tx slots		20.47	20.56	20.43	21.00	17.47	17.56	17.43	18.00	

GSM1900_Ant 0	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	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	29.38	29.48	29.46	30.50	20.38	20.48	20.46	21.50
GPRS 1 Tx slot	29.35	29.44	29.42	30.50	20.35	20.44	20.42	21.50
GPRS 2 Tx slots	26.93	27.01	26.99	27.50	20.93	21.01	20.99	21.50
GPRS 3 Tx slots	25.14	25.26	25.22	25.70	20.88	21.00	20.96	21.44
GPRS 4 Tx slots	23.94	23.93	23.89	24.50	20.84	20.93	20.89	21.50
EDGE 1 Tx slot	25.75	25.68	25.66	26.50	16.75	16.68	16.66	17.50
EDGE 2 Tx slots	22.31	22.26	22.28	23.50	16.31	16.26	16.28	17.50
EDGE 3 Tx slots	20.02	19.91	19.97	21.70	15.76	15.65	15.71	17.44
EDGE 4 Tx slots	19.11	19.04	19.06	20.50	16.11	16.04	16.06	17.50

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	Limit	
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	30.50	30.50	
GSM 1 Tx slot	29.40	29.56	29.51	30.50	20.40	20.56	20.51	20.51	21.50	
GPRS 1 Tx slot	29.39	29.52	29.50	30.50	20.39	20.52	20.50	20.50	21.50	
GPRS 2 Tx slots	26.95	27.05	27.02	27.50	20.95	21.05	21.02	21.02	21.50	
GPRS 3 Tx slots	25.18	25.30	25.28	25.70	20.92	21.04	21.02	21.02	21.44	
GPRS 4 Tx slots	23.96	23.97	23.95	24.50	20.86	20.97	20.95	20.95	21.50	
EDGE 1 Tx slot	26.03	25.91	25.97	26.50	17.03	16.91	16.97	16.97	17.50	
EDGE 2 Tx slots	22.66	22.38	22.53	23.50	16.66	16.38	16.53	16.53	17.50	
EDGE 3 Tx slots	20.17	19.95	20.12	21.70	15.91	15.69	15.86	15.86	17.44	
EDGE 4 Tx slots	19.32	19.24	19.31	20.50	16.32	16.24	16.31	16.31	17.00	

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.78	23.82	23.66	24.50	23.86	23.95	23.81	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.89	23.71	24.50	24.02	24.07	23.93	25.00
3GPP Rel 6	HSDPA Subtest-1	22.75	22.93	22.86	23.50	22.98	23.18	23.16	24.00
3GPP Rel 6	HSDPA Subtest-2	22.90	22.88	22.87	23.50	23.15	23.05	23.09	24.00
3GPP Rel 6	HSDPA Subtest-3	22.17	22.33	22.27	23.00	22.64	22.51	22.57	23.50
3GPP Rel 6	HSDPA Subtest-4	22.35	22.47	22.30	23.00	22.52	22.80	22.50	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.01	22.89	22.95	23.50	23.13	23.19	23.18	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.96	22.83	23.50	23.10	23.19	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.37	22.45	22.33	23.00	22.63	22.76	22.63	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.27	22.47	22.30	23.00	22.50	22.72	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.85	22.89	22.84	23.50	23.15	23.18	23.15	24.00
3GPP Rel 6	HSUPA Subtest-2	20.77	21.02	21.00	21.50	21.00	21.34	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	21.96	21.95	21.82	22.50	22.15	22.23	22.05	23.00
3GPP Rel 6	HSUPA Subtest-4	20.62	20.84	20.91	21.50	20.99	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-5	22.95	23.03	22.89	23.50	23.25	23.22	23.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.21	20.55	20.33	21.00	20.59	20.81	20.59	21.50

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.26	24.16	25.00	24.22	24.37	24.29	25.50
3GPP Rel 99	RMC 12.2Kbps	24.32	24.36	24.27	25.00	24.37	24.51	24.40	25.00
3GPP Rel 6	HSDPA Subtest-1	23.16	23.36	23.40	24.00	23.51	23.67	23.59	24.50
3GPP Rel 6	HSDPA Subtest-2	23.30	23.25	23.23	24.00	23.55	23.54	23.59	24.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.66	22.76	23.50	23.04	22.97	23.02	24.00
3GPP Rel 6	HSDPA Subtest-4	22.85	22.95	22.86	23.50	22.95	23.16	22.95	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.29	23.26	23.33	24.00	23.72	23.69	23.72	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.20	23.43	23.17	24.00	23.45	23.65	23.51	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.76	22.94	22.80	23.50	23.20	23.14	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.68	22.82	22.71	23.50	22.80	23.13	23.02	24.00
3GPP Rel 6	HSUPA Subtest-1	23.22	23.30	23.30	24.00	23.55	23.67	23.58	24.50
3GPP Rel 6	HSUPA Subtest-2	21.30	21.40	21.34	22.00	21.59	21.78	21.64	22.50
3GPP Rel 6	HSUPA Subtest-3	22.39	22.39	22.12	23.00	22.60	22.68	22.56	23.50
3GPP Rel 6	HSUPA Subtest-4	21.15	21.26	21.31	22.00	21.42	21.54	21.62	22.50
3GPP Rel 6	HSUPA Subtest-5	23.35	23.41	23.32	24.00	23.62	23.67	23.65	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.69	20.85	20.81	21.50	20.98	21.15	21.00	22.00

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		520.4	524.4	528.6		520.4	524.4	528.6	
3GPP Rel 99	AMR 12.2Kbps	24.17	24.23	24.11	25.00	23.85	23.94	23.88	25.00
3GPP Rel 99	RMC 12.2Kbps	24.26	24.31	24.25	25.00	23.97	24.01	23.95	25.00
3GPP Rel 6	HSDPA Subtest-1	23.22	23.36	23.39	24.00	22.81	22.93	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.38	23.29	23.28	24.00	23.03	22.96	23.03	24.00
3GPP Rel 6	HSDPA Subtest-3	22.71	22.68	22.74	23.50	22.43	22.45	22.35	23.50
3GPP Rel 6	HSDPA Subtest-4	22.63	22.81	22.59	23.50	22.46	22.62	22.39	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.38	23.37	23.30	24.00	22.62	23.00	23.10	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.13	23.40	23.25	24.00	22.91	23.15	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.94	22.92	22.74	23.50	22.46	22.59	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.70	22.88	22.61	23.50	22.36	22.59	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.30	23.24	24.00	22.91	23.06	22.97	24.00
3GPP Rel 6	HSUPA Subtest-2	21.08	21.37	21.41	22.00	20.84	21.13	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	22.42	22.37	22.17	23.00	21.99	22.07	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	21.16	21.27	21.24	22.00	20.86	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.38	23.32	24.00	23.08	22.99	22.95	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.90	20.70	21.50	20.40	20.61	20.52	21.50

Band 2_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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.12	23.16	23.01	24	0	
20	QPSK	1	49	22.99	23.03	22.86			
20	QPSK	1	99	23.08	23.14	23.00			
20	QPSK	50	0	22.06	22.15	22.10	23	1	
20	QPSK	50	24	22.01	22.13	21.98			
20	QPSK	50	50	22.05	22.12	22.07			
20	QPSK	100	0	22.10	22.16	22.09	23	1	
20	16QAM	1	0	22.16	22.27	22.12			
20	16QAM	1	49	22.13	22.23	22.12			
20	16QAM	1	99	22.02	22.15	22.07	22	2	
20	16QAM	50	0	21.07	21.14	21.00			
20	16QAM	50	24	21.06	21.22	21.15			
20	16QAM	50	50	21.01	21.10	21.02	22	2	
20	16QAM	100	0	21.01	21.06	20.96			
20	64QAM	1	0	21.05	21.15	21.10			
20	64QAM	1	49	20.98	21.03	20.97	21	3	
20	64QAM	1	99	21.09	21.17	21.06			
20	64QAM	50	0	20.04	20.12	20.06			
20	64QAM	50	24	20.03	20.07	19.96	21	3	
20	64QAM	50	50	19.98	19.98	19.95			
20	64QAM	100	0	19.97	20.05	19.93			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.05	23.10	22.94	24	0	
15	QPSK	1	37	22.84	22.90	22.85			
15	QPSK	1	74	22.96	22.99	22.93			
15	QPSK	36	0	21.92	22.04	22.00	23	1	
15	QPSK	36	20	21.92	22.06	21.83			
15	QPSK	36	39	21.96	22.00	21.93			
15	QPSK	75	0	22.03	22.06	22.03	23	1	
15	16QAM	1	0	22.11	22.22	22.17			
15	16QAM	1	37	21.99	22.11	22.00			
15	16QAM	1	74	21.94	22.02	22.00	22	2	
15	16QAM	36	0	20.98	21.06	20.97			
15	16QAM	36	20	21.03	21.11	21.03			
15	16QAM	36	39	20.88	20.96	20.97	22	2	
15	16QAM	75	0	20.87	20.92	20.85			
15	64QAM	1	0	20.97	21.06	21.04			
15	64QAM	1	37	20.91	20.91	20.87	22	2	
15	64QAM	1	74	21.01	21.11	20.97			
15	64QAM	36	0	19.95	20.09	19.99			
15	64QAM	36	20	19.91	19.94	19.88	21	3	
15	64QAM	36	39	19.77	19.88	19.81			
15	64QAM	75	0	19.88	19.94	19.90			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	22.98	23.05	22.96	24	0	
10	QPSK	1	25	22.97	22.96	22.79			
10	QPSK	1	49	23.03	23.09	22.96			
10	QPSK	25	0	22.02	22.06	21.97	23	1	
10	QPSK	25	12	21.97	22.07	21.87			
10	QPSK	25	25	22.02	21.98	21.99			
10	QPSK	50	0	21.99	22.05	22.01	23	1	
10	16QAM	1	0	22.06	22.16	22.18			
10	16QAM	1	25	22.05	22.10	22.08			
10	16QAM	1	49	21.98	22.08	22.02	22	2	
10	16QAM	25	0	21.03	21.08	20.85			
10	16QAM	25	12	20.94	21.13	21.09			
10	16QAM	25	25	20.93	20.96	20.94	22	2	
10	16QAM	50	0	20.91	21.05	20.91			
10	64QAM	1	0	21.01	21.11	20.97			
10	64QAM	1	25	20.90	20.95	20.91	22	2	
10	64QAM	1	49	21.01	21.05	21.01			
10	64QAM	25	0	19.92	20.04	20.01			
10	64QAM	25	12	19.95	20.02	19.91	21	3	
10	64QAM	25	25	19.76	19.80	19.86			
10	64QAM	50	0	19.82	19.86	19.88			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.07	23.04	22.87	24	0	
5	QPSK	1	12	22.95	22.97	22.82			
5	QPSK	1	24	22.95	23.09	22.93			
5	QPSK	12	0	21.95	22.06	22.06	23	1	
5	QPSK	12	7	21.90	22.10	21.89			
5	QPSK	12	13	21.96	22.07	21.93			
5	QPSK	25	0	21.96	22.06	22.04	23	1	
5	16QAM	1	0	22.13	22.22	22.17			
5	16QAM	1	12	22.09	22.10	22.02			
5	16QAM	1	24	21.91	22.07	21.95	22	2	
5	16QAM	12	0	21.02	21.05	20.91			
5	16QAM	12	7	21.00	21.12	21.08			
5	16QAM	12	13	20.88	21.00	20.92	22	2	
5	16QAM	25	0	20.86	20.91	20.86			
5	64QAM	1	0	21.01	21.03	20.99			
5	64QAM	1	12	20.91	20.94	20.89	22	2	
5	64QAM	1	24	21.00	21.08	20.97			
5	64QAM	12	0	19.93	20.03	20.91			
5	64QAM	12	7	19.95	19.99	19.83	21	3	
5	64QAM	12	13	19.77	19.95	19.83			
5	64QAM	25	0	19.85	19.86	19.82			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	23.06	23.08	22.89	24	0	
3	QPSK	1	8	22.91	22.96	22.78			
3	QPSK	1	14	22.97	23.07	22.86			
3	QPSK	8	0	21.92	22.03	21.97	23	1	
3	QPSK	8	4	21.88	22.00	21.86			
3	QPSK	8	7	21.97	22.03	21.97			
3	QPSK	15	0	21.99	22.02	22.01	23	1	
3	16QAM	1	0	22.05	22.14	22.16			
3	16QAM	1	8	22.10	22.09	22.04			
3	16QAM	1	14	21.99	22.09	22.01	22	2	
3	16QAM	8	0	20.98	21.05	20.90			
3	16QAM	8	4	20.98	21.19	21.02			
3	16QAM	8	7	20.90	21.06	20.95	22	2	
3	16QAM	15	0	20.89	21.01	20.93			
3	64QAM	1	0	20.91	21.04	20.95			
3	64QAM	1	8	20.93	20.92	20.86	22	2	
3	64QAM	1	14	20.97	21.08	20.91			
3	64QAM	8	0	19.93	20.03	20.01			
3	64QAM	8	4	19.91	19.93	19.87	21	3	
3	64QAM	8	7	19.79	19.91	19.81			
3	64QAM	15	0	19.83	19.84	19.87			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	23.05	23.04	22.91	24	0	
1.4	QPSK	1	3	22.86	22.90	22.82			
1.4	QPSK	1	5	22.90	23.01	22.87			
1.4	QPSK	3	0	22.91	23.03	23.00	23	1	
1.4	QPSK	3	1	22.95	23.05	22.88			
1.4	QPSK	3	3	22.96	23.03	23.01			
1.4	QPSK	6	0	22.07	22.07	22.03	23	1	
1.4	16QAM	1	0	22.02	22.17	22.18			
1.4	16QAM	1	3	22.02	22.18	22.08			
1.4	16QAM	1	5	21.93	22.09	22.03	23	1	
1.4	16QAM	3	0	21.97	22.04	21.96			
1.4	16QAM	3	1	21.95	22.15	22.08			
1.4	16QAM	3	3	21.94	22.05	21.98	22	2	
1.4	64QAM	1	0	21.02	21.08	21.05			
1.4	64QAM	1	3	21.02	21.06	20.85			
1.4	64QAM	1	5	21.01	21.14	20.93	22	2	
1.4	64QAM	3	0	20.94	21.06	21.00			
1.4	64QAM	3	1	20.98	21.12	20.93			
1.4	64QAM	3	3	20.82	20.86	20.83	21	3	
1.4	64QAM	6	0	19.85	19.94	19.83			

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	23.62	23.68	23.55	25.1	0		
20	QPSK	1	49	23.61	23.65	23.54				
20	QPSK	1	99	23.47	23.57	23.50				
20	QPSK	50	0	22.66	22.71	22.62				
20	QPSK	50	24	22.55	22.67	22.61	24.1	1		
20	QPSK	50	50	22.54	22.63	22.54				
20	QPSK	100	0	22.55	22.60	22.48				
20	16QAM	1	0	22.60	22.67	22.49				
20	16QAM	1	49	22.56	22.62	22.57	24.1	1		
20	16QAM	1	99	22.60	22.68	22.57				
20	16QAM	50	0	21.55	21.64	21.55				
20	16QAM	50	24	21.52	21.60	21.54				
20	16QAM	50	50	21.48	21.52	21.39	23.1	2		
20	16QAM	100	0	21.53	21.59	21.52				
20	64QAM	1	0	21.49	21.53	21.44				
20	64QAM	1	49	21.39	21.46	21.32				
20	64QAM	1	99	21.34	21.46	21.34	23.1	2		
20	64QAM	50	0	20.53	20.57	20.42				
20	64QAM	50	24	20.35	20.49	20.38				
20	64QAM	50	50	20.39	20.45	20.30				
20	64QAM	100	0	20.48	20.61	20.51	22.1	3		
20	64QAM	100	0	20.48	20.61	20.51				
Channel										
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.55	23.60	23.42	25.1	0		
15	QPSK	1	37	23.56	23.59	23.44				
15	QPSK	1	74	23.36	23.48	23.35				
15	QPSK	36	0	22.55	22.66	22.54				
15	QPSK	36	20	22.51	22.56	22.54	24.1	1		
15	QPSK	36	39	22.40	22.58	22.49				
15	QPSK	75	0	22.46	22.53	22.43				
15	16QAM	1	0	22.47	22.53	22.50				
15	16QAM	1	37	22.51	22.51	22.39	24.1	1		
15	16QAM	1	74	22.46	22.60	22.52				
15	16QAM	36	0	21.50	21.60	21.47				
15	16QAM	36	20	21.42	21.51	21.39				
15	16QAM	36	39	21.38	21.45	21.32	23.1	2		
15	16QAM	75	0	21.38	21.49	21.39				
15	64QAM	1	0	21.44	21.42	21.36				
15	64QAM	1	37	21.28	21.34	21.26				
15	64QAM	1	74	21.23	21.31	21.26	23.1	2		
15	64QAM	36	0	20.44	20.51	20.33				
15	64QAM	36	20	20.21	20.43	20.33				
15	64QAM	36	39	20.35	20.39	20.32				
15	64QAM	75	0	20.41	20.52	20.44	22.1	3		
15	64QAM	75	0	20.41	20.52	20.44				
Channel										
Frequency (MHz)				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	23.57	23.61	23.46	25.1	0		
10	QPSK	1	25	23.57	23.60	23.45				
10	QPSK	1	49	23.42	23.42	23.35				
10	QPSK	25	0	22.58	22.64	22.53				
10	QPSK	25	12	22.47	22.62	22.56	24.1	1		
10	QPSK	25	25	22.39	22.57	22.44				
10	QPSK	50	0	22.50	22.54	22.39				
10	16QAM	1	0	22.50	22.52	22.44				
10	16QAM	1	25	22.48	22.49	22.43	24.1	1		
10	16QAM	1	49	22.47	22.61	22.47				
10	16QAM	25	0	21.40	21.52	21.45				
10	16QAM	25	12	21.48	21.48	21.47				
10	16QAM	25	25	21.36	21.48	21.28	23.1	2		
10	16QAM	50	0	21.50	21.46	21.38				
10	64QAM	1	0	21.42	21.45	21.40				
10	64QAM	1	25	21.35	21.37	21.20				
10	64QAM	1	49	21.26	21.34	21.24	23.1	2		
10	64QAM	25	0	20.43	20.54	20.30				
10	64QAM	25	12	20.28	20.45	20.34				
10	64QAM	25	25	20.35	20.33	20.24				
10	64QAM	50	0	20.40	20.46	20.40	22.1	3		
10	64QAM	50	0	20.40	20.46	20.40				
Channel										
Frequency (MHz)				1957.5	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.57	23.64	23.39	25.1	0		
5	QPSK	1	12	23.48	23.57	23.49				
5	QPSK	1	24	23.44	23.43	23.47				
5	QPSK	12	0	22.53	22.66	22.49				
5	QPSK	12	7	22.45	22.56	22.48	24.1	1		
5	QPSK	12	13	22.42	22.50	22.40				
5	QPSK	25	0	22.49	22.50	22.36				
5	16QAM	1	0	22.48	22.59	22.49				
5	16QAM	1	12	22.43	22.47	22.42	24.1	1		
5	16QAM	1	24	22.52	22.64	22.52				
5	16QAM	12	0	21.48	21.58	21.40				
5	16QAM	12	7	21.38	21.47	21.39				
5	16QAM	12	13	21.40	21.41	21.27	23.1	2		
5	16QAM	25	0	21.45	21.45	21.44				
5	64QAM	1	0	21.39	21.39	21.30				
5	64QAM	1	12	21.30	21.36	21.20				
5	64QAM	1	24	21.27	21.37	21.25	23.1	2		
5	64QAM	12	0	20.40	20.43	20.27				
5	64QAM	12	7	20.22	20.45	20.28				
5	64QAM	12	13	20.30	20.36	20.28				
5	64QAM	25	0	20.34	20.50	20.46	22.1	3		
5	64QAM	25	0	20.34	20.50	20.46				
Channel										
Frequency (MHz)				19965 <th>20175</th> <th>20385</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	23.51	23.59	23.49	25.1	0		
3	QPSK	1	8	23.51	23.61	23.51				
3	QPSK	1	14	23.35	23.44	23.36				
3	QPSK	8	0	22.55	22.57	22.46				
3	QPSK	8	4	22.52	22.55	22.58	24.1	1		
3	QPSK	8	7	22.48	22.60	22.45				
3	QPSK	15	0	22.44	22.51	22.44				
3	16QAM	1	0	22.49	22.59	22.45				
3	16QAM	1	8	22.49	22.47	22.38	24.1	1		
3	16QAM	1	14	22.56	22.63	22.54				
3	16QAM	8	0	21.44	21.50	21.43				
3	16QAM	8	4	21.37	21.56	21.49				
3	16QAM	8	7	21.41	21.40	21.30	23.1	2		
3	16QAM	15	0	21.40	21.56	21.39				
3	64QAM	1	0	21.45	21.41	21.35				
3	64QAM	1	8	21.31	21.42	21.24				
3	64QAM	1	14	21.22	21.36	21.23	23.1	2		
3	64QAM	8	0	20.45	20.47	20.28				
3	64QAM	8	4	20.31	20.38	20.27				
3	64QAM	8	7	20.25	20.35	20.33				
3	64QAM	15	0	20.43	20.55	20.45	22.1	3		
3	64QAM	15	0	20.43	20.55	20.45				
Channel										
Frequency (MHz)				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.47	23.56	23.42	25.1	0		
1.4	QPSK	1	3	23.54	23.59	23.45				
1.4	QPSK	1	5	23.40	23.48	23.38				
1.4	QPSK	3	0	23.60	23.67	23.44				
1.4	QPSK	3	1	23.47	23.59	23.44	24.1	1		
1.4	QPSK	3	3	23.41	23.57	23.48				
1.4	QPSK	6	0	22.50	22.47	22.44				
1.4	16QAM	1	0	22.54	22.54	22.45				
1.4	16QAM	1	3	22.45	22.47	22.40	24.1	1		
1.4	16QAM	1	5	22.48	22.62	22.53				
1.4	16QAM	3	0	22.49	22.61	22.48				
1.4	16QAM	3	1	22.42	22.55	22.40				
1.4	16QAM	3	1	22.42	22.42	22.30	23.1	2		
1.4	16QAM	6	0	21.43	21.47	21.44				
1.4	64QAM	1	0	21.38	21.43	21.34				
1.4	64QAM	1	3	21.26	21.37	21.22				
1.4	64QAM	1	5	21.30	21.35	21.26	23.1	2		
1.4	64QAM	3	0	21.44	21.53	21.28				
1.4	64QAM	3	1	21.31	21.41	21.33				
1.4	64QAM	3	3	21.28	21.41	21.27				
1.4	64QAM	6	0	20.33	20.55	20.41	22.1	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	24.36	24.44	24.41	25.5	0	
10	QPSK	1	25	24.37	24.42	24.34			
10	QPSK	1	49	24.24	24.36	24.32			
10	QPSK	25	0	23.30	23.39	23.35	24.5	1	
10	QPSK	25	12	23.27	23.32	23.21			
10	QPSK	25	25	23.18	23.30	23.20			
10	QPSK	50	0	23.22	23.32	23.22	24.5	1	
10	16QAM	1	0	23.43	23.52	23.48			
10	16QAM	1	25	23.31	23.38	23.34			
10	16QAM	1	49	23.33	23.38	23.37	23.5	2	
10	16QAM	25	0	22.33	22.36	22.31			
10	16QAM	25	12	22.19	22.25	22.20			
10	16QAM	25	25	22.24	22.29	22.19	23.5	2	
10	16QAM	50	0	22.23	22.35	22.28			
10	64QAM	1	0	22.34	22.47	22.41			
10	64QAM	1	25	22.17	22.32	22.30	23.5	2	
10	64QAM	1	49	22.20	22.38	22.35			
10	64QAM	25	0	21.26	21.37	21.34			
10	64QAM	25	12	21.15	21.24	21.22	22.5	3	
10	64QAM	25	25	21.17	21.26	21.29			
10	64QAM	50	0	21.35	21.30	21.28			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.26	24.32	24.29	25.5	0	
5	QPSK	1	12	24.23	24.37	24.20			
5	QPSK	1	24	24.17	24.25	24.20			
5	QPSK	12	0	23.16	23.32	23.25	24.5	1	
5	QPSK	12	7	23.17	23.23	23.13			
5	QPSK	12	13	23.03	23.22	23.13			
5	QPSK	25	0	23.17	23.28	23.09	24.5	1	
5	16QAM	1	0	23.34	23.38	23.41			
5	16QAM	1	12	23.26	23.29	23.22			
5	16QAM	1	24	23.20	23.27	23.29	23.5	2	
5	16QAM	12	0	22.22	22.25	22.26			
5	16QAM	12	7	22.10	22.22	22.14			
5	16QAM	12	13	22.20	22.24	22.11	23.5	2	
5	16QAM	25	0	22.16	22.26	22.16			
5	64QAM	1	0	22.30	22.36	22.37			
5	64QAM	1	12	22.12	22.22	22.19	22.5	3	
5	64QAM	1	24	22.11	22.29	22.28			
5	64QAM	12	0	21.22	21.32	21.25			
5	64QAM	12	7	21.04	21.19	21.17	20.425	20525	20625
5	64QAM	12	13	21.02	21.22	21.25			
5	64QAM	25	0	21.28	21.17	21.18			
Channel				826.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	24.32	24.30	24.32	25.5	0	
3	QPSK	1	8	24.30	24.37	24.21			
3	QPSK	1	14	24.12	24.29	24.22			
3	QPSK	8	0	23.22	23.32	23.25	24.5	1	
3	QPSK	8	4	23.15	23.18	23.14			
3	QPSK	8	7	23.14	23.23	23.05			
3	QPSK	15	0	23.18	23.24	23.11	24.5	1	
3	16QAM	1	0	23.35	23.49	23.38			
3	16QAM	1	8	23.24	23.29	23.20			
3	16QAM	1	14	23.24	23.25	23.33	23.5	2	
3	16QAM	8	0	22.21	22.21	22.20			
3	16QAM	8	4	22.10	22.21	22.07			
3	16QAM	8	7	22.13	22.25	22.13	22.5	3	
3	16QAM	15	0	22.11	22.20	22.15			
3	64QAM	1	0	22.29	22.32	22.30			
3	64QAM	1	8	22.12	22.24	22.20	20.407	20525	20643
3	64QAM	1	14	22.12	22.31	22.24			
3	64QAM	8	0	21.17	21.33	21.25			
3	64QAM	8	4	21.02	21.10	21.13	824.7	836.5	848.3
3	64QAM	8	7	21.05	21.13	21.16			
3	64QAM	15	0	21.30	21.23	21.15			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.25	24.31	24.38	25.5	0	
1.4	QPSK	1	3	24.32	24.27	24.25			
1.4	QPSK	1	5	24.11	24.30	24.22			
1.4	QPSK	3	0	24.21	24.24	24.22	24.5	1	
1.4	QPSK	3	1	24.12	24.13	24.12			
1.4	QPSK	3	3	24.08	24.18	24.04			
1.4	QPSK	6	0	23.10	23.17	23.18	24.5	1	
1.4	16QAM	1	0	23.33	23.44	23.43			
1.4	16QAM	1	3	23.27	23.34	23.30			
1.4	16QAM	1	5	23.27	23.31	23.22	24.5	1	
1.4	16QAM	3	0	23.16	23.25	23.15			
1.4	16QAM	3	1	23.01	23.17	23.09			
1.4	16QAM	3	3	23.06	23.17	23.08	23.5	2	
1.4	16QAM	6	0	22.08	22.24	22.18			
1.4	64QAM	1	0	22.27	22.33	22.34			
1.4	64QAM	1	3	22.11	22.28	22.21	20.415	20525	20635
1.4	64QAM	1	5	22.12	22.32	22.21			
1.4	64QAM	3	0	22.11	22.23	22.25			
1.4	64QAM	3	1	21.98	22.07	22.04	22.5	2	
1.4	64QAM	3	3	22.03	22.18	22.15			
1.4	64QAM	6	0	21.31	21.16	21.21			

Band 5_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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.96	24.11	24.01	25.4	0		
10	QPSK	1	25	23.93	24.02	23.88				
10	QPSK	1	49	23.95	24.07	23.95				
10	QPSK	25	0	22.95	22.99	22.92	24.4	1		
10	QPSK	25	12	22.79	22.92	22.79				
10	QPSK	25	25	22.94	22.98	22.91				
10	QPSK	50	0	22.91	22.94	22.82	24.4	1		
10	16QAM	1	0	23.14	23.24	23.21				
10	16QAM	1	25	23.17	23.10	23.16				
10	16QAM	1	49	23.14	23.10	23.06	23.4	2		
10	16QAM	25	0	21.84	21.90	21.96				
10	16QAM	25	12	21.75	21.70	21.73				
10	16QAM	25	25	21.69	21.67	21.75	23.4	2		
10	16QAM	50	0	21.95	21.93	21.87				
10	64QAM	1	0	22.10	22.14	22.02				
10	64QAM	1	25	21.93	22.00	21.93	22.4	3		
10	64QAM	1	49	22.01	21.93	21.91				
10	64QAM	25	0	21.01	20.92	20.88				
10	64QAM	25	12	20.74	20.73	20.76	20.425	20525	20625	
10	64QAM	25	25	20.75	20.82	20.77				
10	64QAM	50	0	20.95	20.91	20.99				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.87	24.02	23.95	25.4	0		
5	QPSK	1	12	23.83	23.94	23.75				
5	QPSK	1	24	23.85	24.01	23.82				
5	QPSK	12	0	22.92	22.87	22.76	24.4	1		
5	QPSK	12	7	22.75	22.80	22.67				
5	QPSK	12	13	22.85	22.89	22.86				
5	QPSK	25	0	22.85	22.82	22.78	24.4	1		
5	16QAM	1	0	23.02	23.12	23.09				
5	16QAM	1	12	23.12	23.02	23.13				
5	16QAM	1	24	22.99	22.97	22.99	23.4	2		
5	16QAM	12	0	21.68	21.59	21.85				
5	16QAM	12	7	21.68	21.59	21.68				
5	16QAM	12	13	21.55	21.53	21.66	23.4	2		
5	16QAM	25	0	21.81	21.90	21.76				
5	64QAM	1	0	22.03	22.04	22.01				
5	64QAM	1	12	21.89	21.94	21.89	22.4	3		
5	64QAM	1	24	21.98	21.81	21.85				
5	64QAM	12	0	20.87	20.85	20.77				
5	64QAM	12	7	20.70	20.63	20.71	20.425	20525	20625	
5	64QAM	12	13	20.64	20.75	20.66				
5	64QAM	25	0	20.59	20.77	20.92				
Channel				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				23.90	24.01	23.94				
3	QPSK	1	0	23.90	24.01 <td>23.94</td> <td rowspan="3">25.4</td> <td rowspan="3">0</td> <td rowspan="3"></td>	23.94	25.4	0		
3	QPSK	1	8	23.88	23.94	23.79				
3	QPSK	1	14	23.88	24.03	23.91				
3	QPSK	8	0	22.87	22.86	22.87	24.4	1		
3	QPSK	8	4	22.69	22.78	22.68				
3	QPSK	8	7	22.88	22.86	22.88				
3	QPSK	15	3	23.85	23.81	23.81	24.4	1		
3	16QAM	1	0	23.09	23.20	23.15				
3	16QAM	1	8	23.04	23.05	23.02				
3	16QAM	1	14	23.03	23.03	22.95	23.4	2		
3	16QAM	8	0	21.75	21.77	21.71				
3	16QAM	8	4	21.60	21.61	21.65				
3	16QAM	8	7	21.80	21.58	21.72	22.4	3		
3	64QAM	15	0	21.86	21.87	21.79				
3	64QAM	1	0	21.99	22.10	21.95				
3	64QAM	1	8	21.87	22.01	21.89	23.4	2		
3	64QAM	1	14	21.97	21.79	21.78				
3	64QAM	8	0	20.93	20.82	20.80				
3	64QAM	8	4	20.59	20.80	20.68	22.4	3		
3	64QAM	8	7	20.69	20.69	20.67				
3	64QAM	15	0	20.88	20.82	20.90				
Channel				24007 <th>26252</th> <th>26643</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	26252	26643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7 <th>836.5</th> <th>846.3</th> <th></th> <th colspan="2"></th>	836.5	846.3				
1.4	QPSK	1	0	23.82	23.98	23.96	25.4	0		
1.4	QPSK	1	3	23.83	23.93	23.86				
1.4	QPSK	1	5	23.89	24.02	23.88				
1.4	QPSK	3	0	23.87	23.85	23.86	24.4	1		
1.4	QPSK	3	1	23.69	23.79	23.71				
1.4	QPSK	3	3	23.85	23.81	23.81				
1.4	QPSK	6	0	22.78	22.78	22.70	24.4	1		
1.4	16QAM	1	0	23.01	23.14	23.07				
1.4	16QAM	1	3	23.11	22.97	23.06				
1.4	16QAM	1	5	23.04	23.02	22.92	24.4	1		
1.4	16QAM	3	0	22.72	22.62	22.68				
1.4	16QAM	3	3	22.58	22.56	22.70				
1.4	16QAM	6	0	21.81	21.90	21.84	23.4	2		
1.4	64QAM	1	0	21.96	22.00	21.91				
1.4	64QAM	1	3	21.90	21.87	21.79				
1.4	64QAM	1	5	21.96	21.78	21.84	23.4	2		
1.4	64QAM	3	0	21.93	21.84	21.86				
1.4	64QAM	3	1	21.68	21.69	21.62				
1.4	64QAM	3	3	21.61	21.79	21.70	22.4	3		
1.4	64QAM	6	0	20.91	20.87	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	2510		
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.89	24.03	23.80	24.7	0	
20	QPSK	1	49	23.81	23.86	23.77			
20	QPSK	1	99	23.73	23.84	23.79			
20	QPSK	50	0	22.98	22.99	22.91			
20	QPSK	50	24	22.75	22.86	22.81	23.7	1	
20	QPSK	50	50	22.75	22.89	22.85			
20	QPSK	100	0	22.80	22.91	22.80			
20	16QAM	1	0	22.95	23.05	22.92			
20	16QAM	1	49	22.89	22.96	22.84	23.7	1	
20	16QAM	1	99	22.88	22.99	22.94			
20	16QAM	50	0	21.94	22.02	21.87			
20	16QAM	50	24	21.95	22.00	21.95			
20	16QAM	50	50	21.85	21.94	21.82	22.7	2	
20	16QAM	100	0	21.86	21.96	21.89			
20	64QAM	1	0	22.00	22.09	21.97			
20	64QAM	1	49	21.96	22.06	21.94			
20	64QAM	1	99	21.95	22.09	22.04	22.7	2	
20	64QAM	50	0	20.82	20.96	20.81			
20	64QAM	50	24	20.80	20.87	20.74			
20	64QAM	50	50	20.84	20.88	20.82			
20	64QAM	100	0	20.82	20.95	20.89	21.7	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.85	23.90	23.73			
15	QPSK	1	37	23.74	23.72	23.71			
15	QPSK	1	74	23.66	23.71	23.64			
15	QPSK	36	0	22.81	22.88	22.81			
15	QPSK	36	20	22.71	22.82	22.75	23.7	1	
15	QPSK	36	39	22.60	22.78	22.72			
15	QPSK	75	0	22.73	22.81	22.77			
15	16QAM	1	0	22.90	22.95	22.79			
15	16QAM	1	37	22.81	22.92	22.89	23.7	1	
15	16QAM	1	74	22.78	22.88	22.79			
15	16QAM	36	0	21.88	21.90	21.75			
15	16QAM	36	20	21.88	21.96	21.86			
15	16QAM	36	39	21.82	21.82	21.74	22.7	2	
15	16QAM	75	0	21.73	21.94	21.80			
15	64QAM	1	0	21.93	21.98	21.88			
15	64QAM	1	37	21.91	21.97	21.81			
15	64QAM	1	74	21.85	21.96	22.01	22.7	2	
15	64QAM	36	0	20.77	20.90	20.88			
15	64QAM	36	20	20.76	20.73	20.59			
15	64QAM	36	39	20.74	20.75	20.72			
15	64QAM	75	0	20.67	20.92	20.79	21.7	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505 <th>2535<th>2565</th></th>	2535 <th>2565</th>	2565			
10	QPSK	1	0	23.86	23.97	23.72			
10	QPSK	1	25	23.71	23.79	23.69			
10	QPSK	1	49	23.69	23.75	23.76			
10	QPSK	25	0	22.89	22.85	22.83			
10	QPSK	25	12	22.65	22.77	22.75	23.7	1	
10	QPSK	25	25	22.63	22.79	22.76			
10	QPSK	50	0	22.74	22.84	22.75			
10	16QAM	1	0	22.83	22.95	22.83			
10	16QAM	1	25	22.77	22.90	22.80	23.7	1	
10	16QAM	1	49	22.85	22.96	22.87			
10	16QAM	25	0	21.84	21.92	21.77			
10	16QAM	25	12	21.81	21.92	21.80			
10	16QAM	25	25	21.73	21.87	21.79	22.7	2	
10	16QAM	50	0	21.78	21.92	21.79			
10	64QAM	1	0	21.97	21.97	21.83			
10	64QAM	1	25	21.91	21.99	21.91			
10	64QAM	1	49	21.83	21.95	21.86	21.7	3	
10	64QAM	25	0	20.73	20.92	20.69			
10	64QAM	25	12	20.65	20.79	20.65			
10	64QAM	25	25	20.76	20.82	20.68			
10	64QAM	50	0	20.79	20.85	20.75	20.75	Tune-up limit (dBm)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.82	23.93	23.75	24.7	0	
5	QPSK	1	12	23.76	23.80	23.63			
5	QPSK	1	24	23.59	23.71	23.67			
5	QPSK	12	0	22.92	22.85	22.83			
5	QPSK	12	7	22.62	22.80	22.70	23.7	1	
5	QPSK	12	13	22.60	22.84	22.80			
5	QPSK	25	0	22.71	22.77	22.77			
5	16QAM	1	0	22.82	22.95	22.87			
5	16QAM	1	12	22.76	22.92	22.78	23.7	1	
5	16QAM	1	24	22.74	22.87	22.80			
5	16QAM	12	0	21.84	21.93	21.81			
5	16QAM	12	7	21.88	21.89	21.84			
5	16QAM	12	13	21.81	21.79	21.77	22.7	2	
5	16QAM	25	0	21.83	21.88	21.80			
5	64QAM	1	0	21.91	22.05	21.89			
5	64QAM	1	12	21.83	21.97	21.91			
5	64QAM	1	24	21.87	21.96	21.95	21.7	3	
5	64QAM	12	0	20.79	20.87	20.74			
5	64QAM	12	7	20.66	20.73	20.70			
5	64QAM	12	13	20.77	20.73	20.69			
5	64QAM	25	0	20.77	20.91	20.84			

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	24.52	24.58	24.63	25.6	0	
20	QPSK	1	49	24.51	24.59	24.53			
20	QPSK	1	99	24.51	24.64	24.52			
20	QPSK	50	0	23.63	23.73	23.68	24.6	1	
20	QPSK	50	24	23.51	23.65	23.56			
20	QPSK	50	50	23.61	23.69	23.56			
20	QPSK	100	0	23.51	23.64	23.50	24.6	1	
20	16QAM	1	0	23.61	23.68	23.57			
20	16QAM	1	49	23.42	23.44	23.47			
20	16QAM	1	99	23.51	23.55	23.51	23.6	2	
20	16QAM	50	0	22.52	22.69	22.66			
20	16QAM	50	24	22.51	22.48	22.54			
20	16QAM	50	50	22.49	22.47	22.52	23.6	2	
20	16QAM	100	0	22.50	22.56	22.45			
20	64QAM	1	0	22.59	22.65	22.52			
20	64QAM	1	49	22.58	22.51	22.55	22.6	3	
20	64QAM	1	99	22.40	22.44	22.52			
20	64QAM	50	0	21.57	21.71	21.72			
20	64QAM	50	24	21.64	21.66	21.57	22.6	3	
20	64QAM	50	50	21.58	21.55	21.55			
20	64QAM	100	0	21.41	21.59	21.55			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.46	24.64	24.58	25.6	0	
15	QPSK	1	37	24.38	24.52	24.42			
15	QPSK	1	74	24.38	24.60	24.42			
15	QPSK	36	0	23.54	23.59	23.60	24.6	1	
15	QPSK	36	20	23.38	23.57	23.41			
15	QPSK	36	39	23.58	23.64	23.46			
15	QPSK	75	0	23.40	23.50	23.46	24.6	1	
15	16QAM	1	0	23.46	23.65	23.43			
15	16QAM	1	37	23.33	23.38	23.41			
15	16QAM	1	74	23.47	23.50	23.38	23.6	2	
15	16QAM	36	0	22.40	22.66	22.62			
15	16QAM	36	20	22.45	22.35	22.40			
15	16QAM	36	39	22.46	22.34	22.42	23.6	2	
15	16QAM	75	0	22.38	22.50	22.38			
15	64QAM	1	0	21.51	21.56	21.48			
15	64QAM	1	37	22.51	22.47	22.38	22.6	3	
15	64QAM	1	74	22.28	22.29	22.39			
15	64QAM	36	0	21.50	21.67	21.61			
15	64QAM	36	20	21.50	21.56	21.47	22.6	3	
15	64QAM	36	39	21.43	21.44	21.47			
15	64QAM	75	0	21.30	21.41	21.41			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.48	24.57	24.51	25.6	0	
10	QPSK	1	25	24.43	24.46	24.44			
10	QPSK	1	49	24.38	24.53	24.48			
10	QPSK	25	0	23.56	23.62	23.62	24.6	1	
10	QPSK	25	12	23.40	23.62	23.51			
10	QPSK	25	25	23.57	23.64	23.49			
10	QPSK	50	0	23.43	23.65	23.44	24.6	1	
10	16QAM	1	0	23.55	23.55	23.48			
10	16QAM	1	25	23.30	23.35	23.41			
10	16QAM	1	49	23.37	23.49	23.43	23.6	2	
10	16QAM	25	0	22.37	22.56	22.55			
10	16QAM	25	12	22.47	22.45	22.39			
10	16QAM	25	25	22.34	22.34	22.48	23.6	2	
10	16QAM	50	0	22.36	22.49	22.38			
10	84QAM	1	0	22.45	22.59	22.39			
10	84QAM	1	25	22.48	22.37	22.42	23.6	2	
10	84QAM	1	49	22.38	22.39	22.46			
10	84QAM	25	0	21.53	21.61	21.62			
10	84QAM	25	12	21.59	21.55	21.43	22.6	3	
10	84QAM	25	25	21.45	21.45	21.45			
10	84QAM	50	0	21.30	21.54	21.45			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.42	24.57	24.60	25.6	0	
5	QPSK	1	12	24.45	24.49	24.40			
5	QPSK	1	24	24.38	24.55	24.40			
5	QPSK	12	0	23.52	23.69	23.57	24.6	1	
5	QPSK	12	12	23.42	23.61	23.46			
5	QPSK	12	13	23.43	23.65	23.44			
5	QPSK	25	0	23.43	23.52	23.43	24.6	1	
5	16QAM	1	0	23.56	23.59	23.48			
5	16QAM	1	12	23.37	23.35	23.33			
5	16QAM	1	24	23.45	23.50	23.39	23.6	2	
5	16QAM	12	0	22.44	22.57	22.60			
5	16QAM	12	13	22.41	22.38	22.47			
5	16QAM	12	13	22.38	22.43	22.40	23.6	2	
5	16QAM	25	0	22.45	22.49	22.31			
5	64QAM	1	0	22.55	22.55	22.38			
5	64QAM	1	12	22.48	22.39	22.47	23.6	2	
5	64QAM	1	24	22.26	22.38	22.40			
5	64QAM	12	0	21.42	21.42	21.58			
5	84QAM	12	7	21.57	21.61	21.45	22.6	3	
5	84QAM	12	13	21.46	21.51	21.49			
5	64QAM	25	0	21.30	21.51	21.50			

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	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.56	24.65	24.58			
10	QPSK	1	25	24.46	24.60	24.49			
10	QPSK	1	49	24.52	24.57	24.47	24.5	1	
10	QPSK	25	0	23.55	23.70	23.62			
10	QPSK	25	12	23.41	23.56	23.43			
10	QPSK	25	25	23.51	23.63	23.55			
10	QPSK	50	0	23.56	23.68	23.56	24.5	1	
10	16QAM	1	0	23.58	23.69	23.64			
10	16QAM	1	25	23.45	23.47	23.46			
10	16QAM	1	49	23.50	23.54	23.57			
10	16QAM	25	0	22.49	22.63	22.57	23.5	2	
10	16QAM	25	12	22.50	22.48	22.50			
10	16QAM	25	25	22.47	22.47	22.50			
10	16QAM	50	0	22.55	22.63	22.51			
10	64QAM	1	0	22.63	22.67	22.73	23.5	2	
10	64QAM	1	25	22.55	22.57	22.55			
10	64QAM	1	49	22.47	22.49	22.40			
10	64QAM	25	0	21.51	21.64	21.56			
10	64QAM	25	12	21.39	21.45	21.50	22.5	3	
10	64QAM	25	25	21.46	21.49	21.49			
10	64QAM	50	0	21.53	21.57	21.49			
Channel				23035	23095	23155	25.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.49	24.48	24.43			
5	QPSK	1	12	24.34	24.52	24.41			
5	QPSK	1	24	24.47	24.46	24.44	24.5	1	
5	QPSK	12	0	23.50	23.65	23.55			
5	QPSK	12	7	23.37	23.46	23.29			
5	QPSK	12	13	23.44	23.60	23.41			
5	QPSK	25	0	23.53	23.59	23.50	24.5	1	
5	16QAM	1	0	23.49	23.54	23.55			
5	16QAM	1	12	23.44	23.38	23.43			
5	16QAM	1	24	23.36	23.48	23.43			
5	16QAM	12	0	23.36	23.52	23.50	23.5	2	
5	16QAM	12	7	22.38	22.35	22.35			
5	16QAM	12	13	22.39	22.39	22.45			
5	16QAM	25	0	22.50	22.54	22.44			
5	64QAM	1	0	22.51	22.59	22.59	23.5	2	
5	64QAM	1	12	22.41	22.43	22.40			
5	64QAM	1	24	22.37	22.39	22.27			
5	64QAM	12	0	21.43	21.60	21.43			
5	64QAM	12	7	21.30	21.40	21.36	22.5	3	
5	64QAM	12	13	21.33	21.39	21.39			
5	64QAM	25	0	21.48	21.45	21.34			
Channel				23025	23095	23165	25.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.51	24.57	24.54			
3	QPSK	1	8	24.42	24.55	24.40			
3	QPSK	1	14	24.38	24.46	24.39	24.5	1	
3	QPSK	8	0	23.48	23.57	23.49			
3	QPSK	8	4	23.36	23.46	23.36			
3	QPSK	8	7	23.41	23.57	23.49			
3	QPSK	15	0	23.51	23.62	23.51	24.5	1	
3	16QAM	1	0	23.53	23.57	23.60			
3	16QAM	1	8	23.41	23.36	23.40			
3	16QAM	1	14	23.47	23.51	23.42			
3	16QAM	8	0	22.39	22.53	22.45	23.5	2	
3	16QAM	8	4	22.38	22.44	22.41			
3	16QAM	8	7	22.34	22.36	22.41			
3	16QAM	15	0	22.44	22.54	22.39			
3	64QAM	1	0	22.58	22.59	22.70	23.5	2	
3	64QAM	1	8	22.46	22.51	22.51			
3	64QAM	1	14	22.33	22.37	22.32			
3	64QAM	8	0	21.44	21.56	21.45			
3	64QAM	8	4	21.34	21.36	21.43	22.5	3	
3	64QAM	8	7	21.36	21.43	21.36			
3	64QAM	15	0	21.41	21.52	21.42			
Channel				23017	23095	23173	25.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.44	24.53	24.46			
1.4	QPSK	1	3	24.42	24.50	24.40			
1.4	QPSK	1	5	24.49	24.53	24.39	24.5	0	
1.4	QPSK	3	0	24.41	24.57	24.43			
1.4	QPSK	3	1	24.27	24.38	24.25			
1.4	QPSK	3	3	24.39	24.55	24.37			
1.4	QPSK	6	0	23.47	23.55	23.49	24.5	1	
1.4	16QAM	1	0	23.45	23.64	23.56			
1.4	16QAM	1	3	23.36	23.33	23.41			
1.4	16QAM	1	5	23.40	23.50	23.45			
1.4	16QAM	3	0	23.38	23.55	23.38	24.5	1	
1.4	16QAM	3	1	23.33	23.34	23.37			
1.4	16QAM	3	3	23.28	23.36	23.33			
1.4	16QAM	6	0	22.45	22.48	22.42			
1.4	64QAM	1	0	22.49	22.52	22.66	23.5	2	
1.4	64QAM	1	3	22.47	22.48	22.46			
1.4	64QAM	1	5	22.41	22.44	22.36			
1.4	64QAM	3	0	22.43	22.53	22.45			
1.4	64QAM	3	1	22.31	22.34	22.34	23.5	2	
1.4	64QAM	3	3	22.32	22.37	22.39			
1.4	64QAM	6	0	21.46	21.47	21.40			

Band 12_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				23060	23095	23130	24.8	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.63	23.54			
10	QPSK	1	25	23.50	23.58	23.52			
10	QPSK	1	49	23.37	23.47	23.36	23.8	1	
10	QPSK	25	0	22.64	22.77	22.71			
10	QPSK	25	12	22.52	22.56	22.52			
10	QPSK	25	25	22.52	22.66	22.58			
10	QPSK	50	0	22.66	22.75	22.67	23.8	1	
10	16QAM	1	0	22.53	22.72	22.68			
10	16QAM	1	25	22.50	22.54	22.52			
10	16QAM	1	49	22.59	22.54	22.52			
10	16QAM	25	0	21.59	21.82	21.73	22.8	2	
10	16QAM	25	12	21.74	21.77	21.76			
10	16QAM	25	25	21.61	21.61	21.66			
10	16QAM	50	0	21.65	21.74	21.76			
10	64QAM	1	0	21.48	21.61	21.54	22.8	2	
10	64QAM	1	25	21.35	21.44	21.38			
10	64QAM	1	49	21.53	21.47	21.53			
10	64QAM	25	0	20.66	20.79	20.74			
10	64QAM	25	12	20.72	20.64	20.63	21.8	3	
10	64QAM	25	25	20.71	20.65	20.67			
10	64QAM	50	0	20.80	20.72	20.57			
Channel				23035	23095	23155	24.8	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.41	23.52	23.39			
5	QPSK	1	12	23.47	23.46	23.44			
5	QPSK	1	24	23.24	23.37	23.31	23.8	1	
5	QPSK	12	0	22.53	22.69	22.59			
5	QPSK	12	7	22.37	22.46	22.47			
5	QPSK	12	13	22.41	22.55	22.51			
5	QPSK	25	0	22.58	22.69	22.53	23.8	1	
5	16QAM	1	0	22.46	22.61	22.60			
5	16QAM	1	12	22.38	22.51	22.48	22.8	2	
5	16QAM	1	24	22.46	22.47	22.37			
5	16QAM	12	0	21.53	21.70	21.61			
5	16QAM	12	7	21.62	21.71	21.64			
5	16QAM	12	13	21.46	21.54	21.52	22.8	2	
5	16QAM	25	0	21.51	21.69	21.62			
5	64QAM	1	0	21.35	21.44	21.46			
5	64QAM	1	12	21.23	21.35	21.23			
5	64QAM	1	24	21.50	21.34	21.39	21.8	3	
5	64QAM	12	0	20.58	20.66	20.70			
5	64QAM	12	7	20.62	20.57	20.49			
5	64QAM	12	13	20.63	20.62	20.58			
5	64QAM	25	0	20.51	20.68	20.46	24.8	0	
Channel				23035	23095	23155			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.41	23.54	23.42			
3	QPSK	1	8	23.41	23.48	23.42	23.8	1	
3	QPSK	1	14	23.29	23.32	23.31			
3	QPSK	8	0	22.58	22.63	22.62			
3	QPSK	8	4	22.46	22.45	22.38			
3	QPSK	8	7	22.42	22.55	22.52	23.8	1	
3	QPSK	16	0	22.42	22.49	22.60			
3	16QAM	0	0	22.42	22.60	22.56			
3	16QAM	1	8	22.38	22.51	22.38			
3	16QAM	1	14	22.51	22.42	22.41	22.8	2	
3	16QAM	8	0	21.51	21.68	21.66			
3	16QAM	8	4	21.64	21.65	21.71			
3	16QAM	8	7	21.50	21.54	21.72			
3	16QAM	15	0	21.58	21.61	21.57	21.8	3	
3	64QAM	1	0	21.37	21.46	21.43			
3	64QAM	1	8	21.21	21.34	21.23			
3	64QAM	1	14	21.39	21.36	21.39			
3	64QAM	8	0	20.60	20.75	20.62	22.8	2	
3	64QAM	8	4	20.59	20.57	20.57			
3	64QAM	8	7	20.57	20.57	20.60			
3	64QAM	15	0	20.51	20.65	20.44			
Channel				23017	23095	23173	24.8	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.35	23.55	23.45			
1.4	QPSK	1	3	23.45	23.50	23.43			
1.4	QPSK	1	5	23.29	23.36	23.32	23.8	1	
1.4	QPSK	3	0	23.52	23.58	23.51			
1.4	QPSK	3	1	23.39	23.42	23.38			
1.4	QPSK	3	2	23.39	23.39	23.45			
1.4	QPSK	6	0	22.57	22.67	22.59	23.8	1	
1.4	16QAM	1	0	22.41	22.64	22.61			
1.4	16QAM	1	3	22.38	22.39	22.43			
1.4	16QAM	1	5	22.47	22.44	22.46			
1.4	16QAM	3	0	22.49	22.72	22.68	22.8	2	
1.4	16QAM	3	1	22.49	22.57	22.58			
1.4	16QAM	3	3	22.47	22.44	22.54			
1.4	16QAM	6	0	21.52	21.67	21.63			
1.4	64QAM	1	0	21.35	21.33	21.31	22.8	2	
1.4	64QAM	1	3	21.31	21.38	21.40			
1.4	64QAM	1	5	21.42	21.35	21.46			
1.4	64QAM	3	0	21.45	21.49	21.63			
1.4	64QAM	3	1	21.58	21.47	21.45	21.8	3	
1.4	64QAM	3	3	21.51	21.51	21.50			
1.4	64QAM	6	0	20.53	20.62	20.46			



Band 13_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				23230						
Frequency (MHz)				782						
10	QPSK	1	0		23.88		24.9	0		
10	QPSK	1	25		23.80					
10	QPSK	1	49		23.83					
10	QPSK	25	0		22.79		23.9	1		
10	QPSK	25	12		22.75					
10	QPSK	25	25		22.72					
10	QPSK	50	0		22.74		23.9	1		
10	16QAM	1	0		22.81					
10	16QAM	1	25		22.72					
10	16QAM	1	49		22.73		22.9	2		
10	16QAM	25	0		21.52					
10	16QAM	25	12		21.50					
10	16QAM	25	25		21.48		22.9	2		
10	16QAM	50	0		21.74					
10	64QAM	1	0		21.77					
10	64QAM	1	25		21.73		21.9	3		
10	64QAM	1	49		21.67					
10	64QAM	25	0		20.46					
10	64QAM	25	12		20.40		23205	23230	23255	
10	64QAM	25	25		20.33					
10	64QAM	50	0		20.57					
Channel				23205		23230				
Frequency (MHz)				779.5		782	784.5			
5	QPSK	1	0	23.67	23.66	23.72	24.9	0		
5	QPSK	1	12	23.57	23.61	23.50				
5	QPSK	1	24	23.61	23.70	23.57				
5	QPSK	12	0	22.63	22.62	22.53	23.9	1		
5	QPSK	12	7	22.46	22.60	22.50				
5	QPSK	12	13	22.43	22.53	22.54				
5	QPSK	25	0	22.42	22.61	22.45	23.9	1		
5	16QAM	1	0	22.47	22.69	22.51				
5	16QAM	1	12	22.55	22.56	22.51				
5	16QAM	1	24	22.58	22.55	22.46	22.9	2		
5	16QAM	12	0	21.31	21.40	21.15				
5	16QAM	12	7	21.18	21.30	21.21				
5	16QAM	12	13	21.26	21.29	21.23	22.9	2		
5	16QAM	25	0	21.42	21.60	21.55				
5	64QAM	1	0	21.47	21.58	21.51				
5	64QAM	1	12	21.41	21.63	21.40	22.9	2		
5	64QAM	1	24	21.36	21.50	21.43				
5	64QAM	12	0	20.19	20.35	20.25				
5	64QAM	12	7	20.34	20.44	20.27	21.9	3		
5	64QAM	12	13	20.35	20.35	20.22				
5	64QAM	25	0	20.47	20.60	20.47				

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	24.57	24.62	24.60	25.5	0	
10	QPSK	1	25	24.45	24.52	24.44			
10	QPSK	1	49	24.50	24.61	24.56			
10	QPSK	25	0	23.57	23.62	23.54	24.5	1	
10	QPSK	25	12	23.48	23.52	23.37			
10	QPSK	25	25	23.56	23.60	23.51			
10	QPSK	50	0	23.45	23.58	23.51	24.5	1	
10	16QAM	1	0	23.64	23.77	23.75			
10	16QAM	1	25	23.58	23.51	23.60			
10	16QAM	1	49	23.60	23.64	23.57	23.5	2	
10	16QAM	25	0	22.51	22.65	22.59			
10	16QAM	25	12	22.51	22.45	22.41			
10	16QAM	25	25	22.39	22.41	22.43	23.5	2	
10	16QAM	50	0	22.50	22.57	22.49			
10	64QAM	1	0	22.61	22.70	22.67			
10	64QAM	1	25	22.51	22.54	22.52	23.5	2	
10	64QAM	1	49	22.49	22.55	22.55			
10	64QAM	25	0	21.67	21.58	21.60			
10	64QAM	25	12	21.44	21.44	21.37	22.5	3	
10	64QAM	25	25	21.43	21.38	21.44			
10	64QAM	50	0	21.62	21.56	21.53			
Channel				23765	23790	23825			
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.54	24.57	24.49	25.5	0	
5	QPSK	1	12	24.37	24.39	24.35			
5	QPSK	1	24	24.40	24.56	24.41			
5	QPSK	12	0	23.51	23.49	23.50	24.5	1	
5	QPSK	12	7	23.43	23.42	23.30			
5	QPSK	12	13	23.46	23.46	23.39			
5	QPSK	25	0	23.34	23.44	23.37	24.5	1	
5	16QAM	1	0	23.56	23.70	23.64			
5	16QAM	1	12	23.54	23.47	23.48			
5	16QAM	1	24	23.56	23.61	23.51	23.5	2	
5	16QAM	12	0	22.41	22.56	22.30			
5	16QAM	12	7	22.47	22.41	22.28			
5	16QAM	12	13	22.31	22.32	22.29	23.5	2	
5	16QAM	25	0	22.37	22.42	22.37			
5	64QAM	1	0	22.50	22.66	22.62			
5	64QAM	1	12	22.38	22.42	22.38	23.5	2	
5	64QAM	1	24	22.42	22.48	22.49			
5	64QAM	12	0	21.52	21.47	21.48			
5	64QAM	12	7	21.37	21.34	21.33	22.5	3	
5	64QAM	12	13	21.34	21.30	21.34			
5	64QAM	25	0	21.57	21.48	21.41			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.46	23.59	23.53	24.8	0	
10	QPSK	1	25	23.42	23.48	23.38			
10	QPSK	1	49	23.40	23.52	23.38			
10	QPSK	25	0	22.67	22.78	22.62	23.8	1	
10	QPSK	25	12	22.51	22.56	22.43			
10	QPSK	25	25	22.62	22.73	22.58			
10	QPSK	50	0	22.73	22.76	22.70	23.8	1	
10	16QAM	1	0	22.68	22.74	22.57			
10	16QAM	1	25	22.58	22.63	22.57			
10	16QAM	1	49	22.57	22.60	22.62	22.8	2	
10	16QAM	25	0	21.55	21.64	21.49			
10	16QAM	25	12	21.54	21.51	21.54			
10	16QAM	25	25	21.54	21.44	21.48	22.8	2	
10	16QAM	50	0	21.58	21.73	21.69			
10	64QAM	1	0	21.64	21.69	21.62			
10	64QAM	1	25	21.46	21.48	21.46	21.8	3	
10	64QAM	1	49	21.62	21.56	21.54			
10	64QAM	25	0	20.57	20.65	20.48			
10	64QAM	25	12	20.46	20.42	20.46	21.8	3	
10	64QAM	25	25	20.47	20.45	20.38			
10	64QAM	50	0	20.65	20.68	20.54			
Channel				23785	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.37	23.51	23.46	24.8	0	
5	QPSK	1	12	23.38	23.36	23.33			
5	QPSK	1	24	23.36	23.42	23.30			
5	QPSK	12	0	22.64	22.68	22.48	23.8	1	
5	QPSK	12	7	22.43	22.51	22.30			
5	QPSK	12	13	22.50	22.66	22.51			
5	QPSK	25	0	22.60	22.68	22.67	23.8	1	
5	16QAM	1	0	22.54	22.70	22.42			
5	16QAM	1	12	22.53	22.54	22.47	23.8	1	
5	16QAM	1	24	22.53	22.54	22.48			
5	16QAM	12	0	21.49	21.57	21.35	22.8	2	
5	16QAM	12	7	21.46	21.56	21.38			
5	16QAM	12	13	21.43	21.35	21.44			
5	16QAM	25	0	21.43	21.64	21.65	22.8	2	
5	64QAM	1	0	21.58	21.58	21.52			
5	64QAM	1	12	21.32	21.44	21.38			
5	64QAM	1	24	21.57	21.48	21.49	21.8	3	
5	64QAM	12	0	20.48	20.56	20.41			
5	64QAM	12	7	20.31	20.33	20.32			
5	64QAM	12	13	20.40	20.38	20.26	21.8	3	
5	64QAM	25	0	20.58	20.65	20.42			

Band 26_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	24.30	24.45	24.35	25.5	0	
15	QPSK	1	37	24.31	24.36	24.24			
15	QPSK	1	74	24.34	24.41	24.31			
15	QPSK	36	0	23.30	23.41	23.34	24.5	1	
15	QPSK	36	20	23.28	23.37	23.30			
15	QPSK	36	39	23.29	23.33	23.25			
15	QPSK	75	0	23.44	23.46	23.43	24.5	1	
15	16QAM	1	0	23.48	23.56	23.51			
15	16QAM	1	37	23.37	23.46	23.36			
15	16QAM	1	74	23.44	23.36	23.36	24.5	1	
15	16QAM	36	0	22.44	22.47	22.46			
15	16QAM	36	20	22.37	22.31	22.39			
15	16QAM	36	39	22.34	22.33	22.29	23.5	2	
15	16QAM	75	0	22.38	22.43	22.31			
15	64QAM	1	0	22.41	22.45	22.37			
15	64QAM	1	37	22.32	22.23	22.32	23.5	2	
15	64QAM	1	74	22.31	22.30	22.24			
15	64QAM	36	0	21.39	21.44	21.43			
15	64QAM	36	20	21.28	21.24	21.24	22.5	3	
15	64QAM	36	39	21.23	21.23	21.19			
15	64QAM	75	0	21.30	21.43	21.35			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.26	24.36	24.29	25.5	0	
10	QPSK	1	25	24.26	24.24	24.09			
10	QPSK	1	49	24.23	24.34	24.20			
10	QPSK	25	0	23.25	23.27	23.29	24.5	1	
10	QPSK	25	12	23.17	23.25	23.22			
10	QPSK	25	25	23.15	23.19	23.21			
10	QPSK	50	0	23.38	23.36	23.29	24.5	1	
10	16QAM	1	0	23.40	23.43	23.41			
10	16QAM	1	25	23.33	23.36	23.30			
10	16QAM	1	49	23.32	23.32	23.27	23.5	2	
10	16QAM	25	0	22.36	22.34	22.42			
10	16QAM	25	12	22.29	22.25	22.36			
10	16QAM	25	25	22.21	22.24	22.17	23.5	2	
10	16QAM	50	0	22.32	22.34	22.20			
10	64QAM	1	0	22.28	22.31	22.27			
10	64QAM	1	25	22.17	22.16	22.28	23.5	2	
10	64QAM	1	49	22.17	22.21	22.16			
10	64QAM	25	0	21.30	21.41	21.29			
10	64QAM	25	12	21.22	21.17	21.12	22.5	3	
10	64QAM	25	25	21.18	21.16	21.04			
10	64QAM	50	0	21.16	21.35	21.29			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.42	24.30	25.5	0	
5	QPSK	1	12	24.27	24.28	24.14			
5	QPSK	1	24	24.29	24.37	24.17			
5	QPSK	12	0	23.22	23.28	23.27	24.5	1	
5	QPSK	12	7	23.17	23.26	23.22			
5	QPSK	12	13	23.23	23.22	23.17			
5	QPSK	25	0	23.37	23.43	23.32	24.5	1	
5	16QAM	1	0	23.44	23.49	23.36			
5	16QAM	1	12	23.34	23.41	23.30			
5	16QAM	1	24	23.33	23.25	23.37	23.5	2	
5	16QAM	12	0	22.34	22.33	22.40			
5	16QAM	12	7	22.25	22.26	22.27			
5	16QAM	12	13	22.31	22.30	22.18	23.5	2	
5	16QAM	25	0	22.31	22.29	22.18			
5	64QAM	1	0	22.35	22.37	22.33			
5	64QAM	1	12	22.20	22.11	22.24	23.5	2	
5	64QAM	1	24	22.19	22.22	22.21			
5	64QAM	12	0	21.25	21.36	21.30			
5	64QAM	12	7	21.16	21.14	21.14	22.5	3	
5	64QAM	12	13	21.14	21.16	21.08			
5	64QAM	25	0	21.27	21.28	21.26			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.30	24.40	24.33	25.5	0	
3	QPSK	1	8	24.26	24.26	24.15			
3	QPSK	1	14	24.28	24.31	24.24			
3	QPSK	8	0	23.24	23.34	23.20	24.5	1	
3	QPSK	8	4	23.20	23.30	23.19			
3	QPSK	8	7	23.26	23.22	23.11			
3	QPSK	15	0	23.41	23.33	23.36	24.5	1	
3	16QAM	1	0	23.42	23.49	23.47			
3	16QAM	1	8	23.24	23.31	23.23			
3	16QAM	1	14	23.36	23.31	23.31	23.5	2	
3	16QAM	8	0	22.38	22.32	22.40			
3	16QAM	8	4	22.25	22.20	22.25			
3	16QAM	8	7	22.24	22.25	22.21	23.5	2	
3	16QAM	15	0	22.31	22.31	22.21			
3	64QAM	1	0	22.33	22.36	22.31			
3	64QAM	1	8	22.26	22.16	22.24	23.5	2	
3	64QAM	1	14	22.21	22.26	22.10			
3	64QAM	8	0	21.35	21.34	21.38			
3	64QAM	8	4	21.21	21.17	21.12	22.5	3	
3	64QAM	8	7	21.20	21.15	21.13			
3	64QAM	15	0	21.22	21.31	21.27			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.32	24.36	24.32	25.5	0	
1.4	QPSK	1	3	24.22	24.31	24.13			
1.4	QPSK	1	5	24.24	24.33	24.26			
1.4	QPSK	3	0	24.21	24.29	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.26	24.24			
1.4	QPSK	3	3	24.24	24.27	24.20			
1.4	QPSK	6	0	23.40	23.39	23.40	24.5	1	
1.4	16QAM	1	0	23.44	23.49	23.44			
1.4	16QAM	1	3	23.29	23.32	23.23			
1.4	16QAM	1	5	23.33	23.29	23.32	24.5	1	
1.4	16QAM	3	0	23.30	23.38	23.37			
1.4	16QAM	3	1	23.25	23.16	23.24			
1.4	16QAM	3	3	23.27	23.22	23.15	23.5	2	
1.4	16QAM	6	0	22.25	22.33	22.21			
1.4	64QAM	1	0	22.30	22.32	22.29			
1.4	64QAM	1	3	22.28	22.15	22.23	23.5	2	
1.4	64QAM	1	5	22.19	22.22	22.09			
1.4	64QAM	3	0	22.29	22.32	22.32			
1.4	64QAM	3	1	22.24	22.15	22.18	22.5	3	
1.4	64QAM	3	3	22.12	22.16	22.05			
1.4	64QAM	6	0	21.25	21.29	21.32			

Band 26_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				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.00	24.17	24.07	25.4	0	
15	QPSK	1	37	23.97	24.03	23.95			
15	QPSK	1	74	23.99	24.08	23.94			
15	QPSK	36	0	23.03	23.13	23.04	24.4	1	
15	QPSK	36	20	22.91	23.05	22.94			
15	QPSK	36	39	23.01	23.08	23.03			
15	QPSK	75	0	23.02	23.09	22.98	24.4	1	
15	16QAM	1	0	23.05	23.17	23.13			
15	16QAM	1	37	22.94	22.89	22.93			
15	16QAM	1	74	22.95	22.98	23.02	23.4	2	
15	16QAM	1	49	21.87	21.83	21.85			
15	16QAM	36	20	21.94	22.01	21.90			
15	16QAM	36	39	22.01	22.04	22.00	23.4	2	
15	16QAM	75	0	22.02	22.10	21.98			
15	84QAM	1	0	21.98	22.07	22.03			
15	84QAM	1	37	21.83	21.84	21.87	23.4	2	
15	84QAM	1	74	21.92	21.97	21.98			
15	84QAM	36	20	20.94	21.03	21.05			
15	84QAM	36	20	21.02	21.02	20.93	22.4	3	
15	84QAM	36	39	20.85	20.81	20.85			
15	84QAM	75	0	20.96	21.07	20.99			
Channel				26740	26855	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.94	24.13	24.01	25.4	0	
10	QPSK	1	25	23.88	23.92	23.82			
10	QPSK	1	49	23.92	23.93	23.84			
10	QPSK	25	0	22.86	22.90	22.99	24.4	1	
10	QPSK	25	12	22.77	22.91	22.82			
10	QPSK	25	25	22.92	22.96	23.01			
10	QPSK	50	0	22.92	22.95	22.93	23.4	2	
10	16QAM	1	0	22.92	23.09	22.99			
10	16QAM	1	25	22.86	22.83	22.80			
10	16QAM	1	49	22.81	22.81	22.81	23.4	2	
10	16QAM	25	0	21.90	21.99	21.90			
10	16QAM	25	12	21.89	21.88	21.85			
10	16QAM	25	25	21.87	21.84	21.97	23.4	2	
10	16QAM	50	0	21.94	22.03	21.91			
10	84QAM	1	0	21.90	21.97	21.85			
10	84QAM	1	25	21.74	21.74	21.78	23.4	2	
10	84QAM	1	49	21.80	21.83	21.85			
10	84QAM	25	0	20.91	21.01	20.74			
10	84QAM	25	12	20.94	20.98	20.85	22.4	3	
10	84QAM	25	25	20.74	20.76	20.71			
10	84QAM	50	0	20.92	20.97	20.93			
Channel				26715	26855	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.90	24.03	23.85	25.4	0	
5	QPSK	1	12	23.82	23.92	23.84			
5	QPSK	1	24	23.89	23.97	23.84			
5	QPSK	12	0	22.86	23.08	22.89	24.4	1	
5	QPSK	12	7	22.82	22.90	22.85			
5	QPSK	12	13	22.94	22.98	23.00			
5	QPSK	25	0	22.99	23.06	22.92	24.4	1	
5	16QAM	1	0	22.94	23.09	22.98			
5	16QAM	1	12	22.92	22.77	22.85			
5	16QAM	1	24	22.92	22.88	22.92	23.4	2	
5	16QAM	12	0	21.85	21.99	21.87			
5	16QAM	12	7	21.80	21.87	21.91			
5	16QAM	12	13	21.89	21.86	21.90	23.4	2	
5	16QAM	25	0	21.92	21.99	21.84			
5	84QAM	1	0	21.92	21.92	21.83			
5	84QAM	1	12	21.74	21.70	21.83	23.4	2	
5	84QAM	1	24	21.82	21.88	21.86			
5	84QAM	12	0	20.85	20.91	20.79			
5	84QAM	12	7	20.90	20.90	20.88	22.4	3	
5	84QAM	12	13	20.75	20.69	20.77			
5	84QAM	25	0	20.88	20.93	20.89			
Channel				26765	26855	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
3	QPSK	1	0	23.87	24.13	23.98	25.4	0	
3	QPSK	1	8	23.83	23.94	23.88			
3	QPSK	1	14	23.92	23.99	23.87			
3	QPSK	8	0	22.82	23.05	22.98	24.4	1	
3	QPSK	8	4	22.76	22.93	22.81			
3	QPSK	8	7	22.93	23.03	22.96			
3	QPSK	15	0	23.98	24.00	23.90	24.4	1	
3	16QAM	1	0	23.01	23.04	23.07			
3	16QAM	1	8	22.88	22.77	22.79			
3	16QAM	1	14	22.81	22.86	22.92	23.4	2	
3	16QAM	8	0	21.81	22.02	21.86			
3	16QAM	8	4	21.86	21.87	21.89			
3	16QAM	8	7	21.89	21.85	21.90	23.4	2	
3	16QAM	15	0	21.95	21.94	21.95			
3	84QAM	1	0	21.94	22.01	21.89			
3	84QAM	1	8	21.71	21.75	21.75	23.4	2	
3	84QAM	1	14	21.85	21.92	21.91			
3	84QAM	8	0	20.89	20.94	20.74			
3	84QAM	8	4	20.88	20.93	20.79	22.4	3	
3	84QAM	8	7	20.74	20.74	20.71			
3	84QAM	15	0	20.84	20.98	20.92			
Channel				26997	26955	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.90	24.08	24.02	25.4	0	
1.4	QPSK	1	3	23.87	23.89	23.83			
1.4	QPSK	1	5	23.92	24.02	23.83			
1.4	QPSK	3	0	23.86	23.98	23.83	24.4	1	
1.4	QPSK	3	1	23.85	23.91	23.83			
1.4	QPSK	3	2	23.98	24.00	23.90			
1.4	QPSK	6	0	22.88	22.98	22.91	24.4	1	
1.4	16QAM	1	0	22.95	23.11	23.04			
1.4	16QAM	1	3	22.87	22.83	22.90			
1.4	16QAM	1	5	22.87	22.89	22.97	24.4	1	
1.4	16QAM	3	0	22.89	22.97	22.87			
1.4	16QAM	3	1	22.95	23.04	22.85			
1.4	16QAM	3	3	22.96	22.82	22.95	22.4	2	
1.4	16QAM	6	0	21.97	21.97	21.85			
1.4	84QAM	1	0	21.86	22.02	21.90			
1.4	84QAM	1	3	21.77	21.75	21.75	23.4	2	
1.4	84QAM	1	5	21.78	21.88	21.92			
1.4	84QAM	3	0	21.90	21.92	21.73			
1.4	84QAM	3	1	21.98	21.94	21.85	22.4	3	
1.4	84QAM	3	3	21.71	21.67	21.78			
1.4	84QAM	3	0	20.89	20.93	20.86			

Band 66_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				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	24.40	24.56	24.32	25.5	0		
20	QPSK	1	49	24.27	24.41	24.27				
20	QPSK	1	99	24.36	24.44	24.31				
20	QPSK	50	0	23.51	23.65	23.57	24.5	1		
20	QPSK	50	24	23.47	23.60	23.46				
20	QPSK	50	50	23.50	23.57	23.50				
20	QPSK	100	0	23.50	23.55	23.49	24.5	1		
20	16QAM	1	0	23.50	23.55	23.46				
20	16QAM	1	49	23.35	23.35	23.39				
20	16QAM	1	99	23.34	23.31	23.35	23.5	2		
20	16QAM	50	0	22.40	22.51	22.46				
20	16QAM	50	24	22.37	22.34	22.35				
20	16QAM	50	50	22.37	22.35	22.32	23.5	2		
20	16QAM	100	0	22.41	22.45	22.37				
20	64QAM	1	0	22.42	22.54	22.46				
20	64QAM	1	49	22.32	22.29	22.29	23.5	2		
20	64QAM	1	99	22.45	22.39	22.39				
20	64QAM	50	0	21.34	21.45	21.43				
20	64QAM	50	24	21.26	21.27	21.33	22.5	3		
20	64QAM	50	50	21.24	21.20	21.23				
20	64QAM	100	0	21.37	21.42	21.40				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	24.24	24.41	24.26	25.5	0		
15	QPSK	1	37	24.15	24.29	24.23				
15	QPSK	1	74	24.31	24.39	24.16				
15	QPSK	36	0	23.45	23.51	23.45	24.5	1		
15	QPSK	36	20	23.42	23.50	23.37				
15	QPSK	36	39	23.37	23.46	23.35				
15	QPSK	75	0	23.46	23.46	23.37	24.5	1		
15	16QAM	1	0	23.47	23.50	23.37				
15	16QAM	1	37	23.36	23.24	23.32				
15	16QAM	1	74	23.29	23.18	23.21	23.5	2		
15	16QAM	36	0	22.27	22.38	22.35				
15	16QAM	36	20	22.24	22.25	22.20				
15	16QAM	36	39	22.28	22.25	22.28	23.5	2		
15	16QAM	75	0	22.37	22.31	22.23				
15	64QAM	1	0	22.37	22.42	22.33				
15	64QAM	1	37	22.19	22.19	22.21	23.5	2		
15	64QAM	1	74	22.25	22.33	22.30				
15	64QAM	36	0	21.26	21.35	21.30				
15	64QAM	36	20	21.15	21.17	21.20	22.5	3		
15	64QAM	36	39	21.17	21.14	21.10				
15	64QAM	75	0	21.32	21.33	21.28				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	24.25	24.42	24.24	25.5	0		
10	QPSK	1	25	24.19	24.37	24.13				
10	QPSK	1	49	24.37	24.34	24.24				
10	QPSK	25	0	23.40	23.54	23.52	24.5	1		
10	QPSK	25	12	23.38	23.56	23.41				
10	QPSK	25	25	23.46	23.46	23.36				
10	QPSK	50	0	23.40	23.49	23.44	24.5	1		
10	16QAM	1	0	23.45	23.48	23.34				
10	16QAM	1	25	23.29	23.31	23.29				
10	16QAM	1	49	23.28	23.23	23.27	23.5	2		
10	16QAM	25	0	22.34	22.47	22.33				
10	16QAM	25	12	22.24	22.23	22.26				
10	16QAM	25	25	22.32	22.27	22.23	23.5	2		
10	16QAM	50	0	22.30	22.39	22.30				
10	64QAM	1	0	22.38	22.45	22.32				
10	64QAM	1	49	22.40	22.33	22.29	23.5	2		
10	64QAM	25	0	21.26	21.35	21.32				
10	64QAM	25	12	21.12	21.18	21.25				
10	64QAM	25	25	21.13	21.12	21.17	22.5	3		
10	64QAM	50	0	21.32	21.38	21.25				
Channel				131997	132322	132647				Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	24.30	24.51	24.21	25.5	0		
5	QPSK	1	12	24.13	24.36	24.23				
5	QPSK	1	24	24.30	24.30	24.28				
5	QPSK	12	0	23.47	23.50	23.48	24.5	1		
5	QPSK	12	7	23.40	23.50	23.39				
5	QPSK	12	13	23.35	23.46	23.37				
5	QPSK	25	0	23.39	23.44	23.40	24.5	1		
5	16QAM	1	0	23.38	23.45	23.31				
5	16QAM	1	12	23.34	23.24	23.35				
5	16QAM	1	24	23.24	23.19	23.23	23.5	2		
5	16QAM	12	0	22.34	22.47	22.39				
5	16QAM	12	7	22.28	22.19	22.23				
5	16QAM	12	13	22.30	22.29	22.26	23.5	2		
5	16QAM	25	0	22.31	22.38	22.32				
5	64QAM	1	0	22.34	22.50	22.39	23.5	2		
5	64QAM	1	12	22.19	22.22	22.23				
5	64QAM	1	24	22.41	22.33	22.31				
5	64QAM	12	0	21.31	21.38	21.39	22.5	3		
5	64QAM	12	7	21.19	21.16	21.24				
5	64QAM	12	13	21.10	21.15	21.17				
5	64QAM	25	0	21.24	21.33	21.33	22.5	3		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1776.5				
3	QPSK	1	0	24.30	24.47	24.25	25.5	0		
3	QPSK	1	8	24.15	24.29	24.15				
3	QPSK	1	14	24.29	24.29	24.24				
3	QPSK	8	0	23.38	23.53	23.53	24.5	1		
3	QPSK	8	4	23.39	23.48	23.41				
3	QPSK	8	7	23.42	23.42	23.37				
3	QPSK	15	0	23.43	23.52	23.42	24.5	1		
3	16QAM	1	0	23.38	23.42	23.41				
3	16QAM	1	8	23.34	23.31	23.34				
3	16QAM	1	14	23.30	23.26	23.31	23.5	2		
3	16QAM	8	0	22.29	22.42	22.33				
3	16QAM	8	4	22.29	22.30	22.32				
3	16QAM	8	7	22.29	22.26	22.24	23.5	2		
3	16QAM	15	0	22.37	22.31	22.31				
3	64QAM	1	0	22.34	22.50	22.36				
3	64QAM	1	8	22.21	22.19	22.21	23.5	2		
3	64QAM	1	14	22.37	22.33	22.28				
3	64QAM	8	0	21.20	21.37	21.33				
3	64QAM	8	4	21.21	21.20	21.24	22.5	3		
3	64QAM	8	7	21.17	21.08	21.12				
3	64QAM	15	0	21.33	21.34	21.29				
Channel				131970	132322	132695	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	24.21	24.51	24.22	25.5	0		
1.4	QPSK	1	3	24.24	24.28	24.17				
1.4	QPSK	1	5	24.33	24.30	24.19				
1.4	QPSK	3	0	24.41	24.49	24.40	24.5	1		
1.4	QPSK	3	1	24.33	24.43	24.41				
1.4	QPSK	3	3	24.37	24.39	24.35				
1.4	QPSK	6	0	23.43	23.48	23.38	24.5	1		
1.4	16QAM	1	0	23.39	23.42	23.31				
1.4	16QAM	1	3	23.24	23.22	23.35	24.5	1		
1.4	16QAM	1	5	23.27	23.18	23.28				
1.4	16QAM	3	0	23.30	23.34	23.33				
1.4	16QAM	3	1	23.24	23.15	23.15	23.5	2		
1.4	16QAM	3	3	23.29	23.19	23.25				
1.4	16QAM	6	0	22.29	22.36	22.27				
1.4	64QAM	1	0	22.32	22.40	22.39	23.5	2		
1.4	64QAM	1	3	22.27	22.24	22.15				
1.4	64QAM	1	5	22.34	22.26	22.31				
1.4	64QAM	3	0	22.21	22.28	22.21	22.5	3		
1.4	64QAM	3	1	22.22	22.19	22.25				
1.4	64QAM	3	3	22.05	22.02	22.07				
1.4	64QAM	6	0	21.25	21.28	21.33	22.5	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	24.61	24.72	24.63	25.7	0	
20	QPSK	1	49	24.47	24.60	24.46			
20	QPSK	1	99	24.59	24.64	24.55			
20	QPSK	50	0	23.71	23.81	23.69			
20	QPSK	50	24	23.54	23.69	23.55	24.7	1	
20	QPSK	50	50	23.70	23.76	23.68			
20	QPSK	100	0	23.58	23.68	23.59			
20	16QAM	1	0	23.62	23.71	23.59			
20	16QAM	1	49	23.53	23.61	23.56	24.7	1	
20	16QAM	1	99	23.67	23.51	23.50			
20	16QAM	50	0	22.51	22.69	22.60			
20	16QAM	50	24	22.50	22.49	22.47			
20	16QAM	50	50	22.50	22.44	22.51	23.7	2	
20	16QAM	100	0	22.54	22.64	22.56			
20	64QAM	1	0	22.54	22.65	22.49			
20	64QAM	1	49	22.49	22.48	22.49			
20	64QAM	1	99	22.45	22.48	22.54	23.7	2	
20	64QAM	50	0	21.51	21.68	21.59			
20	64QAM	50	24	21.45	21.53	21.55			
20	64QAM	50	50	21.50	21.58	21.50			
20	64QAM	100	0	21.47	21.62	21.61	22.7	3	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	24.53	24.62	24.49	25.7	0	
15	QPSK	1	37	24.34	24.47	24.35			
15	QPSK	1	74	24.46	24.59	24.47			
15	QPSK	36	0	23.52	23.69	23.57			
15	QPSK	36	20	23.49	23.59	23.42	24.7	1	
15	QPSK	36	39	23.64	23.70	23.68			
15	QPSK	75	0	23.48	23.64	23.48			
15	16QAM	1	0	23.46	23.58	23.47			
15	16QAM	1	37	23.46	23.49	23.47	24.7	1	
15	16QAM	1	74	23.49	23.43	23.41			
15	16QAM	36	0	22.36	22.56	22.53			
15	16QAM	36	20	22.37	22.46	22.34			
15	16QAM	36	39	22.46	22.29	22.37	23.7	2	
15	16QAM	75	0	22.46	22.59	22.52			
15	64QAM	1	0	22.47	22.54	22.37			
15	64QAM	1	37	22.43	22.34	22.36			
15	64QAM	1	74	22.37	22.38	22.40	23.7	2	
15	64QAM	36	0	21.38	21.59	21.45			
15	64QAM	36	20	21.39	21.49	21.46			
15	64QAM	36	39	21.44	21.45	21.45			
15	64QAM	75	0	21.42	21.52	21.51	22.7	3	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	24.51	24.63	24.55	25.7	0	
10	QPSK	1	25	24.36	24.53	24.43			
10	QPSK	1	49	24.57	24.50	24.49			
10	QPSK	25	0	23.42	23.68	23.60			
10	QPSK	25	12	23.43	23.65	23.41	24.7	1	
10	QPSK	25	25	23.64	23.67	23.66			
10	QPSK	50	0	23.55	23.63	23.48			
10	16QAM	1	0	23.41	23.61	23.51			
10	16QAM	1	25	23.44	23.56	23.47	24.7	1	
10	16QAM	1	49	23.44	23.38	23.36			
10	16QAM	25	0	22.40	22.59	22.52			
10	16QAM	25	12	22.39	22.40	22.37			
10	16QAM	25	25	22.37	22.35	22.38	23.7	2	
10	16QAM	50	0	22.40	22.58	22.50			
10	64QAM	1	0	22.40	22.58	22.34			
10	64QAM	1	25	22.45	22.43	22.37			
10	64QAM	1	49	22.33	22.42	22.42	23.7	2	
10	64QAM	25	0	21.40	21.55	21.50			
10	64QAM	25	12	21.41	21.46	21.49			
10	64QAM	25	25	21.38	21.55	21.35			
10	64QAM	50	0	21.33	21.49	21.50	22.7	3	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	24.52	24.59	24.54	25.7	0	
5	QPSK	1	12	24.34	24.47	24.40			
5	QPSK	1	24	24.55	24.56	24.43			
5	QPSK	12	0	23.43	23.75	23.50			
5	QPSK	12	7	23.44	23.61	23.51	24.7	1	
5	QPSK	12	13	23.61	23.65	23.67			
5	QPSK	25	0	23.54	23.63	23.51			
5	16QAM	1	0	23.40	23.57	23.55			
5	16QAM	1	12	23.41	23.49	23.53	24.7	1	
5	16QAM	1	24	23.52	23.37	23.40			
5	16QAM	12	0	22.40	22.55	22.56			
5	16QAM	12	7	22.37	22.43	22.43			
5	16QAM	12	13	22.37	22.32	22.44	23.7	2	
5	16QAM	25	0	22.47	22.56	22.47			
5	64QAM	1	0	22.47	22.53	22.41			
5	64QAM	1	12	22.45	22.40	22.41			
5	64QAM	1	24	22.36	22.42	22.40	23.7	2	
5	64QAM	12	0	21.38	21.60	21.52			
5	64QAM	12	7	21.37	21.40	21.51			
5	64QAM	12	13	21.45	21.46	21.42			
5	64QAM	25	0	21.35	21.56	21.49	22.7	3	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	24.45	24.58	24.55	25.7	0	
3	QPSK	1	8	24.44	24.51	24.40			
3	QPSK	1	14	24.50	24.51	24.50			
3	QPSK	8	0	23.50	23.68	23.53			
3	QPSK	8	4	23.49	23.58	23.51	24.7	1	
3	QPSK	8	7	23.58	23.67	23.65			
3	QPSK	15	0	23.51	23.60	23.52			
3	16QAM	1	0	23.38	23.64	23.53			
3	16QAM	1	8	23.39	23.51	23.51	24.7	1	
3	16QAM	1	14	23.51	23.47	23.40			
3	16QAM	8	0	22.38	22.58	22.54			
3	16QAM	8	4	22.44	22.35	22.36			
3	16QAM	8	7	22.41	22.37	22.47	23.7	2	
3	16QAM	15	0	22.44	22.53	22.50			
3	64QAM	1	0	22.39	22.58	22.44			
3	64QAM	1	8	22.34	22.40	22.35			
3	64QAM	1	14	22.38	22.35	22.47	23.7	2	
3	64QAM	8	0	21.38	21.60	21.48			
3	64QAM	8	4	21.40	21.43	21.41			
3	64QAM	8	7	21.35	21.47	21.45			
3	64QAM	15	0	21.42	21.51	21.57	22.7	3	
Channel				131979	132322	132656			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	24.56	24.51	24.49	25.7	0	
1.4	QPSK	1	3	24.40	24.50	24.37			
1.4	QPSK	1	5	24.56	24.60	24.42			
1.4	QPSK	3	0	24.39	24.64	24.43			
1.4	QPSK	3	1	24.39	24.55	24.37	24.7	1	
1.4	QPSK	3	3	24.57	24.50	24.52			
1.4	QPSK	6	0	23.46	23.55	23.50			
1.4	16QAM	1	0	23.41	23.63	23.53			
1.4	16QAM	1	3	23.38	23.52	23.50	24.7	1	
1.4	16QAM	1	5	23.50	23.41	23.42			
1.4	16QAM	3	0	23.36	23.45	23.35			
1.4	16QAM	3	1	23.31	23.35	23.23	23.7	2	
1.4	16QAM	3	3	23.27	23.20	23.29			
1.4	16QAM	6	0	22.47	22.50	22.47			
1.4	64QAM	1	0	22.45	22.57	22.40	23.7	2	
1.4	64QAM	1	3	22.40	22.37	22.36			
1.4	64QAM	1	5	22.33	22.37	22.44			
1.4	64QAM	3	0	22.30	22.48	22.24			
1.4	64QAM	3	1	22.32	22.38	22.34	22.7	3	
1.4	64QAM	3	3	22.29	22.42	22.32			
1.4	64QAM	6	0	21.34	21.51	21.42			

Band 38_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				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.69	24.78	24.85			
20	QPSK	1	49	24.68	24.75	24.64			
20	QPSK	1	99	24.55	24.66	24.57	24.5	1	
20	QPSK	50	0	23.77	23.81	23.74			
20	QPSK	50	24	23.65	23.63	23.70			
20	QPSK	50	50	23.52	23.64	23.54			
20	QPSK	100	0	23.65	23.69	23.60	24.5	1	
20	16QAM	1	0	23.76	23.77	23.73			
20	16QAM	1	49	23.58	23.57	23.56			
20	16QAM	1	99	23.62	23.59	23.60			
20	16QAM	50	0	22.79	22.75	22.85	23.5	2	
20	16QAM	50	24	22.63	22.63	22.64			
20	16QAM	50	50	22.59	22.69	22.60			
20	16QAM	100	0	22.73	22.71	22.78			
20	64QAM	1	0	22.47	22.51	22.42	23.5	2	
20	64QAM	1	49	22.27	22.22	22.30			
20	64QAM	1	99	22.43	22.40	22.40			
20	64QAM	50	0	21.76	21.73	21.79			
20	64QAM	50	24	21.58	21.63	21.68	22.5	3	
20	64QAM	50	50	21.54	21.49	21.47			
20	64QAM	100	0	21.69	21.69	21.74			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.53	24.74	24.63			
15	QPSK	1	37	24.62	24.62	24.53			
15	QPSK	1	74	24.41	24.56	24.47			
15	QPSK	36	0	23.74	23.77	23.61	24.5	1	
15	QPSK	36	20	23.57	23.66	23.56			
15	QPSK	36	39	23.47	23.52	23.43			
15	QPSK	75	0	23.56	23.65	23.49			
15	16QAM	1	0	23.68	23.64	23.67	24.5	1	
15	16QAM	1	37	23.54	23.46	23.47			
15	16QAM	1	74	23.48	23.57	23.46			
15	16QAM	36	0	22.73	22.71	22.77			
15	16QAM	36	20	22.53	22.56	22.49	23.5	2	
15	16QAM	36	39	22.48	22.66	22.52			
15	16QAM	75	0	22.66	22.62	22.65			
15	64QAM	1	0	22.35	22.40	22.31			
15	64QAM	1	37	22.22	22.19	22.17	23.5	2	
15	64QAM	1	74	22.35	22.28	22.29			
15	64QAM	36	0	21.65	21.69	21.69			
15	64QAM	36	20	21.52	21.59	21.54			
15	64QAM	36	39	21.47	21.44	21.39	22.5	3	
15	64QAM	75	0	21.58	21.58	21.63			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.58	24.71	24.63			
10	QPSK	1	25	24.59	24.67	24.50			
10	QPSK	1	49	24.42	24.56	24.43			
10	QPSK	25	0	23.69	23.76	23.69	24.5	1	
10	QPSK	25	12	23.59	23.66	23.55			
10	QPSK	25	25	23.38	23.58	23.44			
10	QPSK	50	0	23.55	23.66	23.47			
10	16QAM	1	0	23.62	23.65	23.65	24.5	1	
10	16QAM	1	25	23.51	23.52	23.46			
10	16QAM	1	49	23.54	23.54	23.54			
10	16QAM	25	0	22.73	22.66	22.81			
10	16QAM	25	12	22.52	22.53	22.59	23.5	2	
10	16QAM	25	25	22.53	22.60	22.50			
10	16QAM	50	0	22.60	22.62	22.74			
10	64QAM	1	0	22.42	22.37	22.31			
10	64QAM	1	25	22.14	22.11	22.23	23.5	2	
10	64QAM	1	49	22.38	22.31	22.36			
10	64QAM	25	0	21.62	21.58	21.73			
10	64QAM	25	12	21.55	21.59	21.60			
10	64QAM	25	25	21.42	21.37	21.40	22.5	3	
10	64QAM	50	0	21.58	21.61	21.62			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.55	24.75	24.52			
5	QPSK	1	12	24.68	24.64	24.59			
5	QPSK	1	24	24.47	24.62	24.46			
5	QPSK	12	0	23.68	23.69	23.65	24.5	1	
5	QPSK	12	7	23.61	23.65	23.50			
5	QPSK	12	13	23.40	23.49	23.42			
5	QPSK	25	0	23.62	23.64	23.45			
5	16QAM	1	0	23.71	23.74	23.64	24.5	1	
5	16QAM	1	12	23.45	23.43	23.42			
5	16QAM	1	24	23.59	23.56	23.48			
5	16QAM	12	0	22.70	22.69	22.77			
5	16QAM	12	7	22.59	22.56	22.57	23.5	2	
5	16QAM	12	13	22.49	22.66	22.50			
5	16QAM	25	0	22.63	22.64	22.69			
5	64QAM	1	0	22.33	22.38	22.38			
5	64QAM	1	12	22.23	22.09	22.24	23.5	2	
5	64QAM	1	24	22.32	22.29	22.27			
5	64QAM	12	0	21.65	21.63	21.73			
5	64QAM	12	7	21.44	21.49	21.58			
5	64QAM	12	13	21.50	21.36	21.36	22.5	3	
5	64QAM	25	0	21.55	21.62	21.59			

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	25	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.86	23.82	23.84	24	1	
20	QPSK	1	49	23.59	23.67	23.58			
20	QPSK	1	99	23.84	23.88	23.82			
20	QPSK	50	0	22.69	22.85	22.79			
20	QPSK	50	24	22.69	22.82	22.78	24	1	
20	QPSK	50	50	22.57	22.72	22.61			
20	QPSK	100	0	22.74	22.78	22.68			
20	16QAM	1	0	22.80	22.88	22.81			
20	16QAM	1	49	22.66	22.66	22.58	24	1	
20	16QAM	1	99	22.76	22.68	22.73			
20	16QAM	50	0	21.75	21.75	21.71			
20	16QAM	50	24	21.62	21.73	21.71			
20	16QAM	50	50	21.68	21.71	21.77	23	2	
20	16QAM	100	0	21.74	21.79	21.63			
20	64QAM	1	0	21.46	21.60	21.39			
20	64QAM	1	49	21.44	21.37	21.43			
20	64QAM	1	99	21.47	21.44	21.45	23	2	
20	64QAM	50	0	20.73	20.82	20.67			
20	64QAM	50	24	20.71	20.64	20.71			
20	64QAM	50	50	20.68	20.71	20.64			
20	64QAM	100	0	20.65	20.74	20.57	22	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.74	23.84	23.75	25	0	
15	QPSK	1	37	23.55	23.55	23.52			
15	QPSK	1	74	23.80	23.78	23.80			
15	QPSK	36	0	22.63	22.80	22.68			
15	QPSK	36	20	22.56	22.71	22.65	24	1	
15	QPSK	36	39	22.47	22.68	22.47			
15	QPSK	75	0	22.64	22.66	22.62			
15	16QAM	1	0	22.65	22.74	22.56			
15	16QAM	1	37	22.54	22.56	22.52	24	1	
15	16QAM	1	74	22.61	22.55	22.66			
15	16QAM	36	0	21.71	21.77	21.62			
15	16QAM	36	20	21.47	21.58	21.60			
15	16QAM	36	39	21.55	21.67	21.63	23	2	
15	16QAM	75	0	21.65	21.68	21.52			
15	64QAM	1	0	21.36	21.52	21.35			
15	64QAM	1	37	21.45	21.46	21.46			
15	64QAM	1	74	21.39	21.40	21.35	23	2	
15	64QAM	36	0	20.65	20.74	20.57			
15	64QAM	36	20	20.57	20.53	20.57			
15	64QAM	36	39	20.58	20.57	20.61			
15	64QAM	75	0	20.58	20.61	20.44	22	3	
Channel				37800	38000	38200			
Frequency (MHz)				2573.5	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.74	23.84	23.74	25	0	
10	QPSK	1	25	23.48	23.52	23.48			
10	QPSK	1	49	23.70	23.83	23.77			
10	QPSK	25	0	22.70	22.78	22.75			
10	QPSK	25	12	22.62	22.67	22.71	24	1	
10	QPSK	25	25	22.51	22.58	22.49			
10	QPSK	50	0	22.69	22.67	22.55			
10	16QAM	1	0	22.75	22.78	22.75			
10	16QAM	1	25	22.57	22.52	22.53	24	1	
10	16QAM	1	49	22.67	22.55	22.65			
10	16QAM	25	0	21.64	21.79	21.64			
10	16QAM	25	12	21.54	21.66	21.60			
10	16QAM	25	25	21.57	21.61	21.58	23	2	
10	16QAM	50	0	21.67	21.67	21.66			
10	64QAM	1	0	21.43	21.48	21.27			
10	64QAM	1	25	21.38	21.30	21.36			
10	64QAM	1	49	21.42	21.32	21.40	23	2	
10	64QAM	25	0	20.67	20.77	20.59			
10	64QAM	25	12	20.63	20.57	20.59			
10	64QAM	25	25	20.55	20.66	20.57			
10	64QAM	50	0	20.62	20.60	20.44	22	3	
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.79	23.86	23.73	25	0	
5	QPSK	1	12	23.56	23.62	23.53			
5	QPSK	1	24	23.73	23.83	23.79			
5	QPSK	12	0	22.62	22.72	22.65			
5	QPSK	12	7	22.58	22.74	22.73	24	1	
5	QPSK	12	13	22.45	22.54	22.46			
5	QPSK	25	0	22.64	22.68	22.59			
5	16QAM	1	0	22.67	22.80	22.54			
5	16QAM	1	12	22.52	22.55	22.46	24	1	
5	16QAM	1	24	22.65	22.62	22.63			
5	16QAM	12	0	21.71	21.71	21.69			
5	16QAM	12	7	21.49	21.64	21.66			
5	16QAM	12	13	21.57	21.59	21.64	23	2	
5	16QAM	25	0	21.65	21.68	21.55			
5	64QAM	1	0	21.40	21.51	21.24			
5	64QAM	1	12	21.34	21.32	21.31			
5	64QAM	1	24	21.43	21.37	21.37	23	2	
5	64QAM	12	0	20.66	20.67	20.53			
5	64QAM	12	7	20.62	20.53	20.53			
5	64QAM	12	13	20.59	20.64	20.59			
5	64QAM	25	0	20.56	20.61	20.53	22	3	
Channel				37750	38000	38150			

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	25.7	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.52	24.54	24.45			
20	QPSK	1	49	24.40	24.47	24.41	24.7	1	
20	QPSK	1	99	24.38	24.51	24.42			
20	QPSK	50	0	23.53	23.60	23.58			
20	QPSK	50	24	23.38	23.42	23.34	24.7	1	
20	QPSK	50	50	23.44	23.55	23.46			
20	QPSK	100	0	23.54	23.63	23.50			
20	16QAM	1	0	23.60	23.63	23.51	24.7	1	
20	16QAM	1	49	23.46	23.45	23.50			
20	16QAM	1	99	23.51	23.52	23.54			
20	16QAM	50	0	22.54	22.61	22.58	23.7	2	
20	16QAM	50	24	22.47	22.45	22.44			
20	16QAM	50	50	22.53	22.48	22.46			
20	16QAM	100	0	22.53	22.55	22.49	23.7	2	
20	64QAM	1	0	22.22	22.28	22.17			
20	64QAM	1	49	22.07	22.03	22.09			
20	64QAM	1	99	22.19	22.20	22.25	22.7	3	
20	64QAM	50	0	21.61	21.52	21.53			
20	64QAM	50	24	21.30	21.37	21.36			
20	64QAM	50	50	21.34	21.33	21.34	22.7	3	
20	64QAM	100	0	21.50	21.47	21.50			
Channel				37825	38000	38175	25.7	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.38	24.45	24.39			
15	QPSK	1	37	24.26	24.34	24.32	24.7	1	
15	QPSK	1	74	24.28	24.41	24.28			
15	QPSK	36	0	23.44	23.52	23.49			
15	QPSK	36	20	23.33	23.36	23.20	24.7	1	
15	QPSK	36	39	23.30	23.49	23.42			
15	QPSK	75	0	23.47	23.45	23.41			
15	16QAM	1	0	23.57	23.57	23.43	24.7	1	
15	16QAM	1	37	23.41	23.41	23.38			
15	16QAM	1	74	23.43	23.46	23.49			
15	16QAM	36	0	22.41	22.37	22.45	23.7	2	
15	16QAM	36	20	22.42	22.34	22.35			
15	16QAM	36	39	22.38	22.43	22.34			
15	16QAM	75	0	22.45	22.48	22.44	23.7	2	
15	64QAM	1	0	22.13	22.23	22.10			
15	64QAM	1	37	21.99	21.96	22.01			
15	64QAM	1	74	22.15	22.14	22.15	22.7	3	
15	64QAM	36	0	21.54	21.48	21.40			
15	64QAM	36	20	21.20	21.34	21.27			
15	64QAM	36	39	21.31	21.22	21.22	22.7	3	
15	64QAM	75	0	21.44	21.33	21.43			
Channel				37800	38000	38200	25.7	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.43	24.41	24.38			
10	QPSK	1	25	24.25	24.37	24.29	24.7	1	
10	QPSK	1	49	24.24	24.47	24.29			
10	QPSK	25	0	23.44	23.54	23.42			
10	QPSK	25	12	23.34	23.38	23.21	24.7	1	
10	QPSK	25	25	23.38	23.43	23.41			
10	QPSK	50	0	23.46	23.51	23.42			
10	16QAM	1	0	23.52	23.54	23.37	24.7	1	
10	16QAM	1	25	23.43	23.31	23.36			
10	16QAM	1	49	23.46	23.39	23.40			
10	16QAM	25	0	22.46	22.56	22.54	23.7	2	
10	16QAM	25	12	22.36	22.37	22.35			
10	16QAM	25	25	22.46	22.35	22.38			
10	16QAM	50	0	22.45	22.49	22.41	23.7	2	
10	16QAM	1	0	22.18	22.23	22.10			
10	64QAM	1	25	21.98	21.98	22.04			
10	64QAM	1	49	22.05	22.05	22.13	22.7	3	
10	64QAM	25	0	21.49	21.48	21.47			
10	64QAM	25	12	21.26	21.33	21.21			
10	64QAM	25	25	21.27	21.29	21.24	22.7	3	
10	64QAM	50	0	21.46	21.42	21.43			
Channel				37775	38000	38225	25.7	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.38	24.48	24.39			
5	QPSK	1	12	24.33	24.32	24.36	24.7	1	
5	QPSK	1	24	24.27	24.46	24.33			
5	QPSK	12	0	23.45	23.56	23.44			
5	QPSK	12	7	23.29	23.33	23.25	24.7	1	
5	QPSK	12	13	23.31	23.46	23.43			
5	QPSK	25	0	23.42	23.53	23.39			
5	16QAM	1	0	23.56	23.56	23.39	24.7	1	
5	16QAM	1	12	23.36	23.40	23.37			
5	16QAM	1	24	23.37	23.44	23.43			
5	16QAM	12	0	22.49	22.47	22.43	23.7	2	
5	16QAM	12	7	22.38	22.32	22.40			
5	16QAM	12	13	22.43	22.33	22.38			
5	16QAM	25	0	22.47	22.52	22.36	23.7	2	
5	64QAM	1	0	22.10	22.17	22.09			
5	64QAM	1	12	22.04	21.92	22.01			
5	64QAM	1	24	22.16	22.15	22.20	22.7	3	
5	64QAM	12	0	21.51	21.38	21.43			
5	64QAM	12	7	21.26	21.23	21.28			
5	64QAM	12	13	21.22	21.21	21.26	22.7	3	
5	64QAM	25	0	21.45	21.33	21.41			

Band 38_Ant 3									
BW [MHz]	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	23.46	23.48	23.40	24.5	0	
20	QPSK	1	49	23.28	23.41	23.34			
20	QPSK	1	99	23.29	23.37	23.33			
20	QPSK	50	0	22.51	22.55	22.49	23.5	1	
20	QPSK	50	24	22.31	22.39	22.34			
20	QPSK	50	50	22.30	22.43	22.34			
20	QPSK	100	0	22.42	22.50	22.44			
20	16QAM	1	0	22.52	22.51	22.47	23.5	1	
20	16QAM	1	49	22.36	22.42	22.42			
20	16QAM	1	99	22.37	22.43	22.41			
20	16QAM	50	0	21.57	21.52	21.52	22.5	2	
20	16QAM	50	24	21.34	21.33	21.38			
20	16QAM	50	50	21.45	21.35	21.41			
20	16QAM	100	0	21.51	21.48	21.45			
20	64QAM	1	0	21.23	21.26	21.17	22.5	2	
20	64QAM	1	49	21.07	21.09	21.05			
20	64QAM	1	99	21.19	21.20	21.20			
20	64QAM	50	0	20.52	20.51	20.49	21.5	3	
20	64QAM	50	24	20.40	20.37	20.39			
20	64QAM	50	50	20.31	20.28	20.27			
20	64QAM	100	0	20.48	20.44	20.41			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.33	23.45	23.37	24.5	0	
15	QPSK	1	37	23.19	23.32	23.22			
15	QPSK	1	74	23.20	23.25	23.21			
15	QPSK	36	0	22.37	22.43	22.41	23.5	1	
15	QPSK	36	20	22.22	22.25	22.20			
15	QPSK	36	39	22.23	22.34	22.23			
15	QPSK	75	0	22.29	22.41	22.32			
15	16QAM	1	0	22.47	22.44	22.37	23.5	1	
15	16QAM	1	37	22.32	22.28	22.33			
15	16QAM	1	74	22.24	22.28	22.31			
15	16QAM	36	0	21.43	21.47	21.38	22.5	2	
15	16QAM	36	20	21.30	21.24	21.30			
15	16QAM	36	39	21.36	21.25	21.29			
15	16QAM	75	0	21.48	21.44	21.37			
15	16QAM	1	0	21.10	21.17	21.15	22.5	2	
15	16QAM	1	37	20.99	21.02	20.94			
15	16QAM	1	74	21.10	21.08	21.08			
15	16QAM	36	0	20.45	20.46	20.38	21.5	3	
15	16QAM	36	20	20.27	20.30	20.33			
15	16QAM	36	39	20.22	20.14	20.17			
15	16QAM	75	0	20.43	20.37	20.29			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2615			
10	QPSK	1	0	23.36	23.36	23.36	24.5	0	
10	QPSK	1	25	23.18	23.30	23.24			
10	QPSK	1	49	23.22	23.23	23.27			
10	QPSK	25	0	22.45	22.50	22.41	23.5	1	
10	QPSK	25	12	22.26	22.31	22.19			
10	QPSK	25	25	22.22	22.35	22.22			
10	QPSK	50	0	22.32	22.42	22.38	23.5	1	
10	16QAM	1	0	22.39	22.47	22.42			
10	16QAM	1	25	22.31	22.19	22.33			
10	16QAM	1	49	22.27	22.33	22.30			
10	16QAM	25	0	21.47	21.44	21.44	22.5	2	
10	16QAM	25	12	21.19	21.15	21.29			
10	16QAM	25	25	21.33	21.25	21.38			
10	16QAM	50	0	21.37	21.36	21.38	22.5	2	
10	16QAM	50	12	21.09	21.14	21.10			
10	16QAM	50	25	20.95	20.98	21.00			
10	64QAM	1	0	21.12	21.10	21.12	21.5	3	
10	64QAM	25	0	20.43	20.39	20.37			
10	64QAM	25	12	20.29	20.28	20.24			
10	64QAM	25	25	20.26	20.16	20.22	20.40	20.29	
10	64QAM	50	0	20.37	20.40	20.40			
10	64QAM	50	0	20.37	20.30	20.22			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.34	23.37	23.32	24.5	0	
5	QPSK	1	12	23.16	23.34	23.20			
5	QPSK	1	24	23.14	23.28	23.26			
5	QPSK	12	0	22.42	22.43	22.42			
5	QPSK	12	7	22.27	22.38	22.31	23.5	1	
5	QPSK	12	13	22.26	22.31	22.27			
5	QPSK	25	0	22.32	22.26	22.40			
5	16QAM	1	0	22.41	22.41	22.39	23.5	1	
5	16QAM	1	12	22.22	22.29	22.38			
5	16QAM	1	24	22.34	22.30	22.36			
5	16QAM	12	0	21.43	21.38	21.44	22.5	2	
5	16QAM	12	7	21.25	21.26	21.26			
5	16QAM	12	13	21.31	21.33	21.26			
5	16QAM	25	0	21.44	21.35	21.34	21.5	3	
5	64QAM	1	0	21.14	21.11	21.12			
5	64QAM	1	12	21.03	21.03	20.92			
5	64QAM	1	24	21.10	21.13	21.16	22.5	2	
5	64QAM	12	0	20.43	20.45	20.43			
5	64QAM	12	7	20.35	20.33	20.24			
5	64QAM	12	13	20.20	20.20	20.15	21.5	3	
5	64QAM	25	0	20.44	20.30	20.34			

Band 41_Ant 0												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.75	24.79	24.91	24.82	24.78	25.5	0		
20	QPSK	1	49	24.68	24.74	24.78	24.64	24.67				
20	QPSK	1	99	24.63	24.61	24.67	24.52	24.58				
20	QPSK	50	0	23.76	23.70	23.89	23.85	23.80	24.5	1		
20	QPSK	50	24	23.61	23.67	23.71	23.63	23.61				
20	QPSK	50	50	23.59	23.64	23.63	23.54	23.57				
20	QPSK	100	0	23.79	23.76	23.88	23.81	23.83	24.5	1		
20	16QAM	1	0	23.78	23.61	23.77	23.62	23.86				
20	16QAM	1	49	23.56	23.59	23.56	23.52	23.57				
20	16QAM	1	99	23.55	23.67	23.65	23.59	23.63	23.5	2		
20	16QAM	50	0	22.77	22.63	22.79	22.87	22.84				
20	16QAM	50	24	22.61	22.59	22.57	22.62	22.60				
20	16QAM	50	50	22.59	22.65	22.61	22.65	22.62	23.5	2		
20	16QAM	100	0	22.78	22.69	22.73	22.86	22.89				
20	64QAM	1	0	22.41	22.31	22.59	22.42	22.53				
20	64QAM	1	49	22.39	22.41	22.47	22.45	22.50	22.5	3		
20	64QAM	1	99	22.46	22.49	22.48	22.50	22.49				
20	64QAM	50	0	21.72	21.64	21.86	21.83	21.89				
20	64QAM	50	24	21.76	21.80	21.78	21.75	21.75	22.5	3		
20	64QAM	50	50	21.69	21.73	21.70	21.71	21.75				
20	64QAM	100	0	21.71	21.68	21.85	21.75	21.82				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.71	24.74	24.78	24.70	24.68	25.5	0		
15	QPSK	1	37	24.54	24.67	24.68	24.58	24.53				
15	QPSK	1	74	24.57	24.51	24.63	24.50	24.51				
15	QPSK	36	0	23.67	23.66	23.84	23.73	23.72	24.5	1		
15	QPSK	36	20	23.48	23.56	23.56	23.58	23.51				
15	QPSK	36	39	23.45	23.61	23.55	23.45	23.47				
15	QPSK	75	0	23.64	23.72	23.84	23.76	23.75	24.5	1		
15	16QAM	1	0	23.65	23.52	23.71	23.74	23.82				
15	16QAM	1	37	23.48	23.53	23.44	23.47	23.52				
15	16QAM	1	74	23.44	23.60	23.60	23.49	23.58	23.5	2		
15	16QAM	36	0	22.39	22.59	22.73	22.80	22.71				
15	16QAM	36	20	22.53	22.55	22.44	22.57	22.54				
15	16QAM	36	39	22.45	22.62	22.47	22.56	22.54	23.5	2		
15	16QAM	75	0	22.66	22.60	22.66	22.81	22.77				
15	64QAM	1	0	22.30	22.25	22.53	22.30	22.40				
15	64QAM	1	37	22.27	22.27	22.40	22.38	22.40	23.5	2		
15	64QAM	1	74	22.36	22.35	22.35	22.46	22.34				
15	64QAM	36	0	21.63	21.58	21.76	21.69	21.84				
15	64QAM	36	20	21.63	21.65	21.66	21.71	21.68	22.5	3		
15	64QAM	36	39	21.80	21.69	21.67	21.60	21.71				
15	64QAM	75	0	21.57	21.56	21.79	21.71	21.71				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.65	24.66	24.86	24.67	24.70	25.5	0		
10	QPSK	1	25	24.65	24.71	24.65	24.58	24.53				
10	QPSK	1	49	24.50	24.54	24.60	24.53	24.51				
10	QPSK	25	0	23.68	23.57	23.78	23.71	23.69	24.5	1		
10	QPSK	25	12	23.48	23.55	23.66	23.51	23.54				
10	QPSK	25	25	23.55	23.52	23.53	23.50	23.52				
10	QPSK	50	0	23.70	23.71	23.82	23.75	23.76	24.5	1		
10	16QAM	1	0	23.68	23.56	23.66	23.77	23.78				
10	16QAM	1	25	23.48	23.47	23.48	23.45	23.49				
10	16QAM	1	49	23.42	23.62	23.60	23.46	23.60	23.5	2		
10	16QAM	25	0	22.70	22.56	22.75	22.78	22.78				
10	16QAM	25	12	22.53	22.55	22.50	22.56	22.53				
10	16QAM	25	25	22.53	22.57	22.51	22.54	22.56	23.5	2		
10	16QAM	50	0	22.64	22.65	22.59	22.77	22.74				
10	64QAM	1	0	22.32	22.21	22.53	22.34	22.44				
10	64QAM	1	25	22.25	22.28	22.33	22.38	22.40	23.5	2		
10	64QAM	1	49	22.37	22.37	22.40	22.42	22.42				
10	64QAM	25	0	21.65	21.55	21.80	21.77	21.80				
10	64QAM	25	12	21.64	21.76	21.63	21.69	21.65	22.5	3		
10	64QAM	25	25	21.63	21.67	21.62	21.61	21.67				
10	64QAM	50	0	21.64	21.59	21.71	21.67	21.72				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	24.66	24.74	24.81	24.78	24.71	25.5	0		
5	QPSK	1	12	24.56	24.71	24.72	24.55	24.54				
5	QPSK	1	24	24.56	24.49	24.58	24.49	24.52				
5	QPSK	12	0	23.64	23.63	23.80	23.77	23.72	24.5	1		
5	QPSK	12	7	23.47	23.57	23.62	23.54	23.48				
5	QPSK	12	13	23.50	23.53	23.55	23.47	23.51				
5	QPSK	25	0	23.75	23.67	23.73	23.77	23.77	24.5	1		
5	16QAM	1	0	23.67	23.55	23.72	23.76	23.81				
5	16QAM	1	12	23.43	23.48	23.44	23.45	23.53				
5	16QAM	1	24	23.51	23.58	23.58	23.49	23.56	23.5	2		
5	16QAM	12	0	22.73	22.50	22.70	22.74	22.73				
5	16QAM	12	7	22.54	22.55	22.53	22.52	22.48				
5	16QAM	12	13	22.54	22.51	22.51	22.52	22.49	23.5	2		
5	16QAM	25	0	22.73	22.59	22.60	22.83	22.84				
5	64QAM	1	0	22.28	22.18	22.45	22.34	22.49				
5	64QAM	1	12	22.35	22.32	22.44	22.35	22.42	22.5	2		
5	64QAM	1	24	22.42	22.45	22.43	22.40	22.43				
5	64QAM	12	0	21.63	21.53	21.77	21.69	21.81				
5	64QAM	12	7	21.64	21.66	21.72	21.60	21.71	22.5	3		
5	64QAM	12	13	21.64	21.65	21.65	21.57	21.70				
5	64QAM	25	0	21.67	21.57	21.73	21.61	21.75				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.01	23.86	24.03	23.91	23.96	25	0		
20	QPSK	1	49	23.97	23.78	24.01	23.81	23.93				
20	QPSK	1	99	23.80	23.77	23.80	23.73	23.68				
20	QPSK	50	0	22.91	22.79	22.94	22.84	22.84				
20	QPSK	50	24	22.85	22.75	22.92	22.71	22.83				
20	QPSK	50	50	22.78	22.69	22.83	22.73	22.75	24	1		
20	QPSK	100	0	22.84	22.78	22.90	22.85	22.81				
20	16QAM	1	0	22.87	22.66	22.93	22.61	22.80				
20	16QAM	1	49	22.70	22.68	22.72	22.65	22.70	24	1		
20	16QAM	1	99	22.78	22.67	22.81	22.70	22.81				
20	16QAM	50	0	21.82	21.89	21.94	21.84	21.86				
20	16QAM	50	24	21.84	21.84	21.75	21.84	21.78	23	2		
20	16QAM	50	50	21.79	21.70	21.68	21.78	21.72				
20	16QAM	100	0	21.80	21.62	21.87	21.55	21.72				
20	64QAM	1	0	21.66	21.40	21.64	21.34	21.41	23	2		
20	64QAM	1	49	21.42	21.37	21.51	21.38	21.42				
20	64QAM	1	99	21.52	21.53	21.51	21.47	21.43				
20	64QAM	50	0	20.88	20.57	20.90	20.81	20.81				
20	64QAM	50	24	20.74	20.78	20.77	20.67	20.73				
20	64QAM	50	50	20.68	20.74	20.78	20.76	20.72	22	3		
20	64QAM	100	0	20.82	20.58	20.84	20.53	20.68				
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.93	23.58	23.90	23.58	23.86	25	0		
15	QPSK	1	37	23.87	23.71	23.87	23.73	23.90				
15	QPSK	1	74	23.70	23.64	23.70	23.71	23.59				
15	QPSK	36	0	22.78	22.59	22.82	22.58	22.77				
15	QPSK	36	20	22.82	22.69	22.80	22.70	22.72			24	1
15	QPSK	36	39	22.70	22.57	22.79	22.74	22.63				
15	QPSK	75	0	22.80	22.69	22.84	22.73	22.73				
15	16QAM	1	0	22.72	22.58	22.76	22.59	22.67	24	1		
15	16QAM	1	37	22.63	22.60	22.59	22.59	22.81				
15	16QAM	1	74	22.74	22.66	22.68	22.73	22.74				
15	16QAM	36	0	21.84	21.63	21.88	21.50	21.79	23	2		
15	16QAM	36	20	21.75	21.79	21.62	21.73	21.71				
15	16QAM	36	39	21.71	21.63	21.63	21.74	21.69				
15	16QAM	75	0	21.81	21.49	21.74	21.41	21.65				
15	64QAM	1	0	21.53	21.31	21.51	21.31	21.35				
15	64QAM	1	37	21.33	21.29	21.37	21.32	21.33	23	2		
15	64QAM	1	74	21.48	21.40	21.40	21.43	21.29				
15	64QAM	36	0	20.79	20.44	20.77	20.58	20.73				
15	64QAM	36	20	20.68	20.22	20.67	20.55	20.61	22	3		
15	64QAM	36	39	20.61	20.61	20.73	20.65	20.64				
15	64QAM	75	0	20.58	20.46	20.76	20.67	20.56				
Channel				39700	40160	40600	41050	41490	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25001	2547	2593	2639	2685				
10	QPSK	1	0	23.97	23.58	23.94	23.58	23.88	25	0		
10	QPSK	1	25	23.88	23.74	23.90	23.77	23.96				
10	QPSK	1	49	23.73	23.62	23.77	23.74	23.60				
10	QPSK	25	0	22.78	22.67	22.80	22.54	22.74				
10	QPSK	25	12	22.81	22.69	22.84	22.73	22.76			24	1
10	QPSK	25	25	22.73	22.56	22.71	22.68	22.65				
10	QPSK	50	0	22.78	22.63	22.79	22.72	22.78				
10	16QAM	1	0	22.73	22.60	22.87	22.50	22.70	24	1		
10	16QAM	1	25	22.68	22.59	22.61	22.56	22.64				
10	16QAM	1	49	22.70	22.76	22.69	22.70	22.79				
10	16QAM	25	0	21.82	21.57	21.83	21.51	21.72	23	2		
10	16QAM	25	12	21.75	21.81	21.61	21.80	21.67				
10	16QAM	25	25	21.71	21.61	21.54	21.69	21.64				
10	16QAM	50	0	21.82	21.57	21.80	21.45	21.57				
10	64QAM	1	0	21.55	21.31	21.51	21.19	21.29				
10	64QAM	1	49	21.38	21.42	21.42	21.37	21.35	23	2		
10	64QAM	25	0	20.78	20.46	20.81	20.51	20.78				
10	64QAM	25	12	20.63	20.66	20.72	20.62	20.65				
10	64QAM	25	25	20.65	20.65	20.72	20.62	20.62	22	3		
10	64QAM	50	0	20.89	20.48	20.75	20.47	20.81				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2495.6	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.95	23.57	23.96	23.62	23.84	25	0		
5	QPSK	1	12	23.87	23.83	23.89	23.79	23.85				
5	QPSK	1	24	23.76	23.71	23.70	23.74	23.65				
5	QPSK	12	0	22.76	22.65	22.81	22.58	22.71				
5	QPSK	12	7	22.74	22.68	22.81	22.64	22.68			24	1
5	QPSK	12	13	22.78	22.62	22.75	22.72	22.75				
5	QPSK	25	0	22.75	22.65	22.77	22.74	22.72				
5	16QAM	1	0	22.84	22.53	22.89	22.55	22.67	24	1		
5	16QAM	1	12	22.64	22.63	22.63	22.61	22.55				
5	16QAM	1	24	22.67	22.71	22.69	22.70	22.76				
5	16QAM	12	0	21.98	21.62	21.69	21.36	21.76	23	2		
5	16QAM	12	7	21.73	21.78	21.69	21.73	21.67				
5	16QAM	12	13	21.66	21.61	21.58	21.75	21.67				
5	16QAM	25	0	21.78	21.51	21.79	21.41	21.63	23	2		
5	64QAM	1	0	21.54	21.34	21.58	21.22	21.36				
5	64QAM	1	12	21.36	21.22	21.32	21.29	21.34				
5	64QAM	1	24	21.48	21.47	21.46	21.34	21.37				
5	64QAM	12	0	20.76	20.46	20.76	20.56	20.70				
5	64QAM	12	7	20.63	20.70	20.72	20.55	20.60	22	3		
5	64QAM	12	13	20.65	20.59	20.68	20.65	20.66				
5	64QAM	25	0	20.89	20.46	20.77	20.42	20.59				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.56	24.60	24.62	24.56	24.59	25.7	0		
20	QPSK	1	49	24.29	24.35	24.45	24.35	24.40				
20	QPSK	1	99	24.52	24.44	24.56	24.45	24.50				
20	QPSK	50	0	23.50	23.52	23.59	23.64	23.73	24.7	1		
20	QPSK	50	24	23.52	23.59	23.64	23.52	23.53				
20	QPSK	50	50	23.43	23.45	23.58	23.44	23.47				
20	QPSK	100	0	23.52	23.55	23.65	23.61	23.52	24.7	1		
20	16QAM	1	0	23.61	23.63	23.61	23.62	23.64				
20	16QAM	1	49	23.46	23.51	23.50	23.46	23.41				
20	16QAM	1	99	23.47	23.44	23.41	23.42	23.39	23.7	2		
20	16QAM	50	0	22.60	22.61	22.62	22.72	22.68				
20	16QAM	50	24	22.49	22.51	22.53	22.48	22.46				
20	16QAM	50	50	22.49	22.44	22.46	22.50	22.44	23.7	2		
20	16QAM	100	0	22.59	22.61	22.57	22.85	22.73				
20	64QAM	1	0	22.22	22.24	22.35	22.24	22.30				
20	64QAM	1	49	22.20	22.19	22.23	22.22	22.21	23.7	2		
20	64QAM	1	99	22.20	22.20	22.17	22.16	22.19				
20	64QAM	50	0	21.56	21.57	21.60	21.63	21.65				
20	64QAM	50	24	21.42	21.44	21.45	21.46	21.52	22.7	3		
20	64QAM	50	50	21.43	21.44	21.43	21.41	21.35				
20	64QAM	100	0	21.54	21.57	21.55	21.63	21.71				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.51	24.48	24.48	24.42	24.51	25.7	0		
15	QPSK	1	37	24.28	24.27	24.39	24.24	24.35				
15	QPSK	1	74	24.46	24.30	24.49	24.35	24.39				
15	QPSK	36	0	23.51	23.47	23.57	23.48	23.59	24.7	1		
15	QPSK	36	20	23.45	23.53	23.58	23.48	23.40				
15	QPSK	36	39	23.36	23.34	23.44	23.36	23.39				
15	QPSK	75	0	23.48	23.43	23.58	23.51	23.40	24.7	1		
15	16QAM	1	0	23.53	23.52	23.56	23.47	23.54				
15	16QAM	1	37	23.42	23.45	23.46	23.35	23.37				
15	16QAM	1	74	23.42	23.40	23.35	23.33	23.28	23.7	2		
15	16QAM	36	0	22.49	22.49	22.58	22.67	22.58				
15	16QAM	36	20	22.45	22.46	22.50	22.36	22.40				
15	16QAM	36	39	22.37	22.37	22.37	22.47	22.34	23.7	2		
15	16QAM	75	0	22.44	22.48	22.42	22.60	22.66				
15	64QAM	1	0	22.12	22.18	22.27	22.10	22.16				
15	64QAM	1	37	22.14	22.11	22.13	22.13	22.08	23.7	2		
15	64QAM	1	74	22.13	22.13	22.11	22.03	22.05				
15	64QAM	36	0	21.51	21.53	21.51	21.54	21.62				
15	64QAM	36	20	21.38	21.37	21.30	21.40	21.42	22.7	3		
15	64QAM	36	39	21.36	21.36	21.33	21.30	21.24				
15	64QAM	75	0	21.40	21.47	21.42	21.51	21.62				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.52	24.55	24.58	24.52	24.45	25.7	0		
10	QPSK	1	25	24.26	24.23	24.34	24.26	24.32				
10	QPSK	1	49	24.42	24.30	24.45	24.34	24.38				
10	QPSK	25	0	23.47	23.52	23.60	23.50	23.59	24.7	1		
10	QPSK	25	12	23.41	23.48	23.52	23.38	23.39				
10	QPSK	25	25	23.33	23.33	23.54	23.37	23.40				
10	QPSK	50	0	23.41	23.45	23.55	23.58	23.47	24.7	1		
10	16QAM	1	0	23.50	23.50	23.51	23.52	23.60				
10	16QAM	1	25	23.33	23.40	23.44	23.44	23.35				
10	16QAM	1	49	23.40	23.31	23.36	23.27	23.30	23.7	2		
10	16QAM	25	0	22.55	22.56	22.54	22.59	22.60				
10	16QAM	25	12	22.43	22.40	22.49	22.39	22.40				
10	16QAM	25	25	22.41	22.40	22.33	22.38	22.40	23.7	2		
10	16QAM	50	0	22.45	22.57	22.45	22.58	22.59				
10	64QAM	1	0	22.17	22.15	22.21	22.18	22.27				
10	64QAM	1	25	22.10	22.14	22.18	22.18	22.18	22.7	3		
10	64QAM	1	49	22.06	22.10	22.07	22.12	22.10				
10	64QAM	25	0	21.41	21.43	21.48	21.53	21.53				
10	64QAM	25	12	21.38	21.39	21.34	21.32	21.39	22.7	3		
10	64QAM	25	25	21.39	21.37	21.30	21.37	21.21				
10	64QAM	50	0	21.51	21.45	21.41	21.49	21.64				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	24.48	24.49	24.59	24.41	24.51	25.7	0		
5	QPSK	1	12	24.30	24.26	24.37	24.22	24.34				
5	QPSK	1	24	24.48	24.34	24.53	24.39	24.46				
5	QPSK	12	0	23.54	23.47	23.64	23.54	23.59	24.7	1		
5	QPSK	12	7	23.48	23.56	23.53	23.41	23.43				
5	QPSK	12	13	23.35	23.38	23.44	23.31	23.40				
5	QPSK	25	0	23.47	23.46	23.58	23.47	23.46	24.7	1		
5	16QAM	1	0	23.49	23.53	23.47	23.50	23.55				
5	16QAM	1	12	23.42	23.43	23.43	23.40	23.38				
5	16QAM	1	24	23.33	23.30	23.30	23.29	23.26	23.7	2		
5	16QAM	12	0	22.56	22.52	22.49	22.59	22.61				
5	16QAM	12	7	22.45	22.39	22.48	22.44	22.41				
5	16QAM	12	13	22.44	22.31	22.43	22.39	22.30	23.7	2		
5	16QAM	25	0	22.49	22.52	22.43	22.54	22.67				
5	64QAM	1	0	22.14	22.18	22.26	22.14	22.26				
5	64QAM	1	12	22.10	22.10	22.09	22.13	22.12	23.7	2		
5	64QAM	1	24	22.11	22.09	22.07	22.06	22.09				
5	64QAM	12	0	21.42	21.53	21.47	21.50	21.56				
5	64QAM	12	7	21.37	21.37	21.34	21.37	21.39	22.7	3		
5	64QAM	12	13	21.31	21.38	21.37	21.31	21.24				
5	64QAM	25	0	21.42	21.48	21.49	21.48	21.63				

Band 41_Ant 3												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.49	23.33	23.53	23.38	23.50	24.5	0		
20	QPSK	1	49	23.30	23.31	23.41	23.27	23.28				
20	QPSK	1	99	23.21	23.31	23.36	23.21	23.24				
20	QPSK	50	0	22.36	22.34	22.53	22.35	22.36	23.5	1		
20	QPSK	50	24	22.36	22.34	22.53	22.32	22.35				
20	QPSK	50	50	22.36	22.32	22.29	22.39	22.32				
20	QPSK	100	0	22.36	22.36	22.49	22.40	22.42	23.5	1		
20	16QAM	1	0	22.53	22.30	22.55	22.39	22.51				
20	16QAM	1	49	22.38	22.42	22.37	22.42	22.39				
20	16QAM	1	99	22.45	22.42	22.46	22.45	22.45	23.5	1		
20	16QAM	50	0	21.48	21.36	21.47	21.37	21.48				
20	16QAM	50	24	21.43	21.38	21.36	21.43	21.42				
20	16QAM	50	50	21.35	21.37	21.39	21.30	21.32	22.5	2		
20	16QAM	100	0	21.46	21.30	21.52	21.40	21.54				
20	64QAM	1	0	21.22	21.07	21.29	21.14	21.32				
20	64QAM	1	49	21.16	21.12	21.10	21.08	21.11	22.5	2		
20	64QAM	1	99	21.21	21.22	21.20	21.21	21.23				
20	64QAM	50	0	20.41	20.30	20.30	20.32	20.46				
20	64QAM	50	24	20.44	20.43	20.37	20.41	20.38	21.5	3		
20	64QAM	50	50	20.29	20.30	20.34	20.34	20.27				
20	64QAM	100	0	20.42	20.23	20.47	20.37	20.40				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505.5	2548.1	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.20	23.46	23.62	23.42	23.5	1		
15	QPSK	1	37	23.17	23.23	23.30	23.32	23.31				
15	QPSK	1	74	23.16	23.28	23.28	23.16	23.14				
15	QPSK	36	0	22.35	22.26	22.43	22.39	22.42	23.5	1		
15	QPSK	36	20	22.33	22.29	22.37	22.25	22.20				
15	QPSK	36	39	22.26	22.18	22.32	22.24	22.27				
15	QPSK	75	0	22.32	22.31	22.42	22.39	22.49	23.5	1		
15	16QAM	1	0	22.44	22.26	22.47	22.24	22.27				
15	16QAM	1	37	22.33	22.38	22.22	22.27	22.25				
15	16QAM	1	74	22.32	22.31	22.33	22.35	22.29	22.5	2		
15	16QAM	36	0	21.43	21.27	21.51	21.42	21.37				
15	16QAM	36	20	21.32	21.29	21.31	21.30	21.32				
15	16QAM	36	39	21.24	21.27	21.31	21.17	21.24	22.5	2		
15	16QAM	75	0	21.41	21.20	21.40	21.33	21.43				
15	64QAM	1	0	21.09	21.02	21.18	21.06	21.22				
15	64QAM	1	37	21.08	21.06	21.28	21.07	21.08	22.5	2		
15	64QAM	1	74	21.09	21.12	21.12	21.18	21.14				
15	64QAM	36	0	20.28	20.23	20.38	20.37	20.32				
15	64QAM	36	20	20.35	20.37	20.28	20.26	20.30	21.5	3		
15	64QAM	36	39	20.17	20.25	20.23	20.24	20.19				
15	64QAM	75	0	20.35	20.08	20.42	20.27	20.31				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				250.41	2547.7	2593	2639	2685				
10	QPSK	1	0	23.35	23.35	23.38	23.38	23.43	23.5	0		
10	QPSK	1	25	23.20	23.24	23.37	23.25	23.20				
10	QPSK	1	49	23.22	23.29	23.26	23.13	23.09				
10	QPSK	25	0	22.30	22.19	22.42	22.38	22.39	23.5	1		
10	QPSK	25	12	22.24	22.25	22.35	22.25	22.25				
10	QPSK	25	25	22.26	22.19	22.32	22.20	22.22				
10	QPSK	50	0	22.26	22.32	22.43	22.30	22.35	23.5	1		
10	16QAM	1	0	22.50	22.17	22.43	22.29	22.27				
10	16QAM	1	25	22.28	22.36	22.23	22.34	22.27				
10	16QAM	1	49	22.38	22.39	22.43	22.40	22.29	22.5	2		
10	16QAM	25	0	21.39	21.21	21.42	21.43	21.41				
10	16QAM	25	12	21.33	21.24	21.26	21.37	21.35				
10	16QAM	25	25	21.26	21.32	21.30	21.18	21.22	22.5	2		
10	16QAM	50	0	21.31	21.16	21.37	21.29	21.27				
10	64QAM	1	0	21.17	20.96	21.18	21.07	21.18				
10	64QAM	1	25	21.03	21.05	20.99	21.05	21.06	22.5	2		
10	64QAM	1	49	21.08	21.07	21.09	21.10	21.19				
10	64QAM	25	0	20.31	20.23	20.44	20.37	20.43				
10	64QAM	25	12	20.37	20.30	20.27	20.29	20.31	21.5	3		
10	64QAM	25	25	20.22	20.17	20.21	20.28	20.19				
10	64QAM	50	0	20.27	20.09	20.35	20.28	20.28				
Channel				39575	40145	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.37	23.23	23.47	23.30	23.43	24.5	0		
5	QPSK	1	12	23.17	23.24	23.35	23.30	23.22				
5	QPSK	1	24	23.19	23.23	23.21	23.15	23.18				
5	QPSK	12	0	22.36	22.27	22.41	22.33	22.34	23.5	1		
5	QPSK	12	7	22.26	22.26	22.39	22.17	22.31				
5	QPSK	12	13	22.24	22.21	22.37	22.29	22.22				
5	16QAM	25	0	22.26	22.24	22.44	22.29	22.34	23.5	1		
5	16QAM	1	0	22.43	22.25	22.47	22.26	22.47				
5	16QAM	1	12	22.35	22.38	22.27	22.37	22.36				
5	16QAM	1	24	22.33	22.30	22.42	22.33	22.28	22.5	2		
5	16QAM	12	0	21.41	21.28	21.46	21.44	21.45				
5	16QAM	12	7	21.36	21.34	21.30	21.39	21.33				
5	16QAM	12	13	21.37	21.27	21.33	21.29	21.20	21.5	3		
5	16QAM	25	0	21.40	21.26	21.38	21.37	21.48				
5	64QAM	1	0	21.07	20.93	21.20	21.00	21.27				
5	64QAM	1	12	21.10	21.03	21.04	20.93	21.07	22.5	2		
5	64QAM	1	24	21.15	21.12	21.12	21.09	21.12				
5	64QAM	12	0	20.30	20.20	20.39	20.41	20.35				
5	64QAM	12	7	20.32	20.38	20.27	20.32	20.39	21.5	3		
5	64QAM	12	13	20.24	20.19	20.20	20.20	20.19				
5	64QAM	25	0	20.28	20.15	20.40	20.32	20.26				

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	180	251		128	180	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.70	32.74	32.72	33.50	33.50	23.70	23.74	23.72	24.50
GPRS 1 Tx slot	32.66	32.68	32.69	33.50	33.50	23.66	23.68	23.69	24.50
GPRS 2 Tx slots	30.19	30.14	30.22	30.50	30.50	24.19	24.14	24.22	24.50
GPRS 3 Tx slots	28.35	28.33	28.36	28.70	28.70	24.09	24.07	24.10	24.44
GPRS 4 Tx slots	26.93	26.96	26.92	27.50	27.50	23.93	23.96	23.92	24.50
EDGE 1 Tx slot	26.61	26.66	26.61	27.50	27.50	17.61	17.66	17.61	18.50
EDGE 2 Tx slots	23.95	23.67	23.64	24.50	24.50	17.65	17.67	17.64	18.50
EDGE 3 Tx slots	21.73	21.78	21.71	22.70	22.70	17.47	17.52	17.45	18.44
EDGE 4 Tx slots	20.94	20.97	20.86	21.50	21.50	17.94	17.97	17.86	18.50

GSM1900_Ant 0		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	29.38	29.48	29.46	30.50	30.50	20.38	20.46	20.46	21.50
GPRS 1 Tx slot	29.35	29.44	29.42	30.50	30.50	20.35	20.44	20.42	21.50
GPRS 2 Tx slots	26.93	27.01	26.99	27.50	27.50	20.93	21.01	20.99	21.50
GPRS 3 Tx slots	25.14	25.26	25.22	25.70	25.70	20.88	21.00	20.96	21.44
GPRS 4 Tx slots	23.84	23.93	23.89	24.50	24.50	20.84	20.93	20.89	21.50
EDGE 1 Tx slot	25.75	25.68	25.66	26.50	26.50	16.75	16.68	16.66	17.50
EDGE 2 Tx slots	22.31	22.26	22.28	23.50	23.50	16.31	16.26	16.28	17.50
EDGE 3 Tx slots	20.02	19.91	19.97	21.70	21.70	15.76	15.65	15.71	17.44
EDGE 4 Tx slots	19.11	19.04	18.06	20.50	20.50	16.11	16.04	16.06	17.50

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.78	23.82	23.66	24.50	20.50	20.55	20.49	21.50
3GPP Rel 99	RMC 12.2Kbps	23.84	23.89	23.71	24.50	20.54	20.57	20.53	21.50
3GPP Rel 6	HSDPA Subtest-1	22.75	22.93	22.86	23.50	19.37	19.75	19.68	20.50
3GPP Rel 6	HSDPA Subtest-2	22.50	22.88	22.87	23.50	19.73	19.48	19.64	20.50
3GPP Rel 6	HSDPA Subtest-3	22.17	22.33	22.27	23.00	18.92	18.90	18.96	20.00
3GPP Rel 6	HSDPA Subtest-4	22.35	22.47	22.30	23.00	19.05	19.39	19.14	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.01	22.89	22.95	23.50	19.61	19.73	19.62	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.96	22.83	23.50	19.53	19.77	19.47	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.37	22.45	22.33	23.00	19.28	19.29	19.12	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.27	22.47	22.30	23.00	19.19	19.35	18.90	20.00
3GPP Rel 6	HSUPA Subtest-1	22.85	22.89	22.84	23.50	19.61	19.59	19.63	20.50
3GPP Rel 6	HSUPA Subtest-2	20.77	21.02	21.00	21.50	17.54	17.90	17.69	18.50
3GPP Rel 6	HSUPA Subtest-3	21.98	21.95	21.82	22.50	18.66	18.82	18.58	19.50
3GPP Rel 6	HSUPA Subtest-4	20.82	20.84	20.91	21.50	17.57	17.70	17.50	18.50
3GPP Rel 6	HSUPA Subtest-5	22.95	23.03	22.89	23.50	19.87	19.95	19.55	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.21	20.55	20.33	21.00	17.03	17.29	17.31	18.00

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.17	24.23	24.11	25.00	23.34	23.40	23.27	24.50
3GPP Rel 99	RMC 12.2Kbps	24.28	24.31	24.25	25.00	23.40	23.42	23.31	24.50
3GPP Rel 6	HSDPA Subtest-1	23.22	23.36	23.39	24.00	22.29	22.38	22.58	23.50
3GPP Rel 6	HSDPA Subtest-2	23.38	23.29	23.28	24.00	22.42	22.36	22.46	23.50
3GPP Rel 6	HSDPA Subtest-3	22.71	22.68	22.74	23.50	21.85	21.88	21.74	23.00
3GPP Rel 6	HSDPA Subtest-4	22.63	22.81	22.59	23.50	21.92	22.10	21.81	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.38	23.37	23.30	24.00	22.29	22.46	22.56	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.13	23.40	23.25	24.00	22.33	22.52	22.30	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.84	22.92	22.74	23.50	21.93	22.06	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.70	22.88	22.61	23.50	21.75	21.97	21.80	23.00
3GPP Rel 6	HSUPA Subtest-1	23.26	23.30	23.24	24.00	22.31	22.50	22.43	23.50
3GPP Rel 6	HSUPA Subtest-2	21.08	21.37	21.41	22.00	20.34	20.50	20.55	21.50
3GPP Rel 6	HSUPA Subtest-3	22.42	22.37	22.17	23.00	21.45	21.46	21.29	22.50
3GPP Rel 6	HSUPA Subtest-4	21.16	21.27	21.24	22.00	20.29	20.44	20.54	21.50
3GPP Rel 6	HSUPA Subtest-5	23.42	23.38	23.32	24.00	22.45	22.46	22.33	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.90	20.70	21.50	19.88	20.02	19.99	21.00

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	180	251		128	180	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.58	32.43	32.37	33.50	33.50	23.58	23.43	23.37	24.50
GPRS 1 Tx slot	32.56	32.41	32.34	33.50	33.50	23.56	23.41	23.34	24.50
GPRS 2 Tx slots	29.92	29.77	29.76	30.50	30.50	23.92	23.77	23.76	24.50
GPRS 3 Tx slots	28.07	27.96	27.93	28.70	28.70	23.81	23.70	23.67	24.44
GPRS 4 Tx slots	26.71	26.73	26.58	27.50	27.50	23.71	23.73	23.58	24.50
EDGE 1 Tx slot	26.23	26.31	26.27	27.00	27.00	17.23	17.31	17.27	18.00
EDGE 2 Tx slots	23.30	23.36	23.32	24.00	24.00	17.30	17.36	17.32	18.00
EDGE 3 Tx slots	21.44	21.42	21.38	22.20	22.20	17.19	17.16	17.12	17.94
EDGE 4 Tx slots	20.47	20.56	20.43	21.00	21.00	17.47	17.56	17.43	18.00

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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.40	29.56	29.51	30.50	30.50	20.40	20.56	20.51	21.50
GPRS 1 Tx slot	29.39	29.52	29.50	30.50	30.50	20.39	20.52	20.50	21.50
GPRS 2 Tx slots	26.95	27.05	27.02	27.50	27.50	20.95	21.05	21.02	21.50
GPRS 3 Tx slots	25.18	25.30	25.28	25.70	25.70	20.92	21.04	21.02	21.44
GPRS 4 Tx slots	23.86	23.97	23.95	24.50	24.50	20.86	20.97	20.95	21.50
EDGE 1 Tx slot	26.03	25.91	25.97	26.50	26.50	17.03	16.91	16.97	17.50
EDGE 2 Tx slots	22.66	22.38	22.53	23.50	23.50	16.66	16.38	16.53	17.50
EDGE 3 Tx slots	20.17	19.95	20.12	21.70	21.70	15.91	15.69	15.86	17.44
EDGE 4 Tx slots	19.32	19.24	19.31	20.50	20.50	16.32	16.24	16.31	17.50

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.28	24.16	25.00	21.09	21.19	21.14	22.50
3GPP Rel 99	RMC 12.2Kbps	24.32	24.36	24.27	25.00	21.11	21.38	21.37	22.50
3GPP Rel 6	HSDPA Subtest-1	23.16	23.36	23.40	24.00	20.43	20.49	20.55	21.50
3GPP Rel 6	HSDPA Subtest-2	23.30	23.25	23.23	24.00	20.51	20.52	20.59	21.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.66	22.76	23.50	19.97	19.82	19.91	21.00
3GPP Rel 6	HSDPA Subtest-4	22.65	22.95	22.66	23.50	19.94	20.14	19.75	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.29	23.26	23.33	24.00	20.55	20.54	20.72	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.20	23.43	23.17	24.00	20.28	20.51	20.34	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.78	22.94	22.80	23.50	20.19	19.98	19.84	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.68	22.82	22.71	23.50	19.71	20.02	19.98	21.00
3GPP Rel 6	HSUPA Subtest-1	23.22	23.30	23.30	24.00	20.42	20.47	20.49	21.50
3GPP Rel 6	HSUPA Subtest-2	21.30	21.40	21.34	22.00	18.43	18.65	18.52	19.50
3GPP Rel 6	HSUPA Subtest-3	22.39	22.39	22.12	23.00	19.47	19.62	19.52	20.50
3GPP Rel 6	HSUPA Subtest-4	21.15	21.26	21.31	22.00	18.29	18.46	18.54	19.50
3GPP Rel 6	HSUPA Subtest-5	23.35	23.41	23.32	24.00	20.43	20.55	20.52	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.69	20.85	20.61	21.50	17.90	18.02	17.84	19.00

Band 2_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				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	23.12	23.16	23.01	24	0		
20	QPSK	1	49	22.99	23.03	22.86				
20	QPSK	1	99	23.08	23.14	23.00				
20	QPSK	50	0	22.06	22.15	22.10	23	1		
20	QPSK	50	24	22.01	22.13	21.98				
20	QPSK	50	50	22.05	22.12	22.07				
20	QPSK	100	0	22.10	22.16	22.09	23	1		
20	16QAM	1	0	22.16	22.27	22.12				
20	16QAM	1	49	22.13	22.23	22.12				
20	16QAM	1	99	22.02	22.15	22.07	22	2		
20	16QAM	50	0	21.07	21.14	21.00				
20	16QAM	50	24	21.06	21.22	21.15				
20	16QAM	50	50	21.01	21.10	21.02	22	2		
20	16QAM	100	0	21.01	21.06	20.96				
20	64QAM	1	0	21.05	21.15	21.10				
20	64QAM	1	49	20.98	21.03	20.97	21	3		
20	64QAM	1	99	21.09	21.17	21.06				
20	64QAM	50	0	20.04	20.12	20.06				
20	64QAM	50	24	20.03	20.07	19.96	21	3		
20	64QAM	50	50	19.98	19.98	19.95				
20	64QAM	100	0	19.97	20.05	19.93				
Channel				18675	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	23.05	23.10	22.94	24	0		
15	QPSK	1	37	22.84	22.90	22.85				
15	QPSK	1	74	22.96	22.99	22.93				
15	QPSK	36	0	21.92	22.04	22.00	23	1		
15	QPSK	36	20	21.92	21.96	21.83				
15	QPSK	36	39	21.96	22.00	21.99				
15	QPSK	75	0	22.03	22.06	22.03	23	1		
15	16QAM	1	0	22.11	22.22	22.17				
15	16QAM	1	37	21.99	22.11	22.00				
15	16QAM	1	74	21.94	22.02	22.00	22	2		
15	16QAM	36	0	20.98	21.06	20.97				
15	16QAM	36	20	21.01	21.11	21.03				
15	16QAM	36	39	20.88	20.96	20.97	22	2		
15	16QAM	75	0	20.87	20.92	20.85				
15	64QAM	1	0	20.97	21.06	21.04				
15	64QAM	1	37	20.91	20.91	20.87	22	2		
15	64QAM	1	74	21.01	21.11	20.97				
15	64QAM	36	0	19.95	20.09	19.99				
15	64QAM	36	20	19.91	19.94	19.88	21	3		
15	64QAM	36	39	19.77	19.88	19.91				
15	64QAM	75	0	19.88	19.94	19.90				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	22.98	23.05	22.96	24	0		
10	QPSK	1	25	22.97	22.96	22.79				
10	QPSK	1	49	23.03	23.09	22.96				
10	QPSK	25	0	22.02	22.06	21.97	23	1		
10	QPSK	25	12	21.97	22.07	21.87				
10	QPSK	25	25	22.02	21.98	21.99				
10	QPSK	50	0	21.99	22.05	22.01	23	1		
10	16QAM	1	0	22.06	22.14	22.07				
10	16QAM	1	25	22.05	22.10	22.08				
10	16QAM	1	49	21.98	22.08	22.02	22	2		
10	16QAM	25	0	21.03	21.08	20.85				
10	16QAM	25	12	20.94	21.13	21.09				
10	16QAM	25	25	20.93	20.96	20.94	22	2		
10	16QAM	50	0	20.91	21.05	20.91				
10	64QAM	1	0	21.11	21.01	20.97				
10	64QAM	1	25	20.90	20.95	20.91	22	2		
10	64QAM	1	49	21.01	21.05	21.01				
10	64QAM	25	0	19.92	20.04	20.01				
10	64QAM	25	12	19.95	20.02	19.91	21	3		
10	64QAM	25	25	19.76	19.80	19.86				
10	64QAM	50	0	19.85	19.86	19.89				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	23.07	23.04	22.87	24	0		
5	QPSK	1	12	22.95	22.97	22.82				
5	QPSK	1	24	22.95	23.09	22.93				
5	QPSK	12	0	21.95	22.06	22.06	23	1		
5	QPSK	12	7	21.90	22.10	21.89				
5	QPSK	12	13	21.90	22.07	21.93				
5	QPSK	25	0	21.96	22.06	22.04	23	1		
5	16QAM	1	0	22.13	22.22	22.17				
5	16QAM	1	12	22.09	22.10	22.02				
5	16QAM	1	24	21.91	22.07	21.95	22	2		
5	16QAM	12	0	21.02	21.05	20.91				
5	16QAM	12	7	21.00	21.12	21.08				
5	16QAM	12	13	20.88	21.00	20.92	22	2		
5	16QAM	25	0	20.86	20.91	20.86				
5	64QAM	1	0	21.01	21.03	20.99				
5	64QAM	1	12	20.91	20.94	20.89	22	2		
5	64QAM	1	24	21.00	21.08	20.97				
5	64QAM	12	0	19.90	20.03	20.01				
5	64QAM	12	7	19.95	19.99	19.93	21	3		
5	64QAM	12	13	19.77	19.95	19.83				
5	64QAM	25	0	19.85	19.86	19.82				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	23.06	23.08	22.78	24	0		
3	QPSK	1	8	22.91	22.96	22.78				
3	QPSK	1	14	22.97	23.07	22.86				
3	QPSK	8	0	21.92	22.03	21.97	23	1		
3	QPSK	8	4	21.88	22.00	21.86				
3	QPSK	8	7	21.97	22.03	21.97				
3	QPSK	15	0	21.99	22.02	22.01	23	1		
3	16QAM	1	0	22.05	22.14	22.16				
3	16QAM	1	8	22.10	22.09	22.04				
3	16QAM	1	14	21.99	22.09	22.01	23	1		
3	16QAM	8	0	20.98	21.05	20.90				
3	16QAM	8	4	20.98	21.19	21.02				
3	16QAM	8	7	20.90	21.06	20.95	22	2		
3	16QAM	15	0	20.89	21.01	20.93				
3	64QAM	1	0	20.91	21.04	20.95				
3	64QAM	1	8	20.93	20.92	20.86	22	2		
3	64QAM	1	14	20.97	21.08	20.91				
3	64QAM	8	0	19.93	20.03	20.01				
3	64QAM	8	4	19.91	19.93	19.87	21	3		
3	64QAM	8	7	19.79	19.91	19.81				
3	64QAM	15	0	19.93	19.94	19.87				
Channel				18607	18900	19163	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18507	1880	1909.3				
1.4	QPSK	1	0	23.06	23.04	22.91	24	0		
1.4	QPSK	1	3	22.86	22.90	22.82				
1.4	QPSK	1	5	22.99	23.01	22.87				
1.4	QPSK	3	0	22.91	23.03	23.00	23	1		
1.4	QPSK	3	1	22.95	23.05	22.88				
1.4	QPSK	3	3	22.86	23.02	23.01				
1.4	QPSK	6	0	22.07	22.07	22.03	23	1		
1.4	16QAM	1	0	22.02	22.17	22.18				
1.4	16QAM	1	3	22.02	22.18	22.08				
1.4	16QAM	1	5	21.93	22.09	22.03	23	1		
1.4	16QAM	3	0	21.97	22.04	21.96				
1.4	16QAM	3	1	21.95	22.15	22.08				
1.4	16QAM	3	3	21.94	22.05	21.98	22	2		
1.4	64QAM	1	0	21.02	21.08	21.05				
1.4	64QAM	1	3	21.02	21.06	20.85				
1.4	64QAM	1	5	21.01	21.14	20.93	22	2		
1.4	64QAM	3	0	20.94	21.06	21.00				
1.4	64QAM	3	1	20.98	21.10	20.93				
1.4	64QAM	3	3	20.82	20.86	20.83	21	3		
1.4	64QAM	6	0	19.85	19.94	19.83				

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	16.89	17.01	16.95	18.1	0	
20	QPSK	1	49	16.72	16.84	16.81			
20	QPSK	1	99	16.55	16.64	16.60			
20	QPSK	50	0	16.79	16.80	16.83			
20	QPSK	50	24	16.77	16.85	16.82	18.1	0	
20	QPSK	50	50	16.74	16.83	16.72			
20	QPSK	100	0	16.67	16.76	16.70			
20	16QAM	1	0	16.85	16.95	16.83			
20	16QAM	1	49	16.95	16.99	16.90	18.1	0	
20	16QAM	1	99	16.79	16.91	16.79			
20	16QAM	50	0	16.77	16.89	16.77			
20	16QAM	50	24	16.69	16.80	16.74			
20	16QAM	50	50	16.71	16.82	16.71	18.1	0	
20	16QAM	100	0	16.71	16.76	16.68			
20	64QAM	1	0	16.88	16.91	16.88			
20	64QAM	1	49	16.87	16.92	16.80			
20	64QAM	1	99	16.71	16.77	16.68	18.1	0	
20	64QAM	50	0	16.87	16.90	16.84			
20	64QAM	50	24	16.75	16.83	16.72			
20	64QAM	50	50	16.78	16.81	16.73			
20	64QAM	100	0	16.68	16.79	16.67	Tune-up limit (dBm)	MPR (dB)	
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	16.85	16.95	16.87	18.1	0	
15	QPSK	1	37	16.68	16.80	16.71			
15	QPSK	1	74	16.49	16.54	16.56			
15	QPSK	36	0	16.69	16.84	16.76			
15	QPSK	36	20	16.72	16.76	16.74	18.1	0	
15	QPSK	36	39	16.66	16.73	16.64			
15	QPSK	75	0	16.55	16.66	16.59			
15	16QAM	1	0	16.81	16.85	16.74			
15	16QAM	1	37	16.84	16.90	16.84	18.1	0	
15	16QAM	1	74	16.75	16.85	16.74			
15	16QAM	36	0	16.72	16.76	16.68			
15	16QAM	36	20	16.61	16.77	16.65			
15	16QAM	36	39	16.63	16.73	16.60	18.1	0	
15	16QAM	75	0	16.62	16.69	16.60			
15	64QAM	1	0	16.83	16.82	16.82			
15	64QAM	1	37	16.82	16.85	16.69			
15	64QAM	1	74	16.60	16.85	16.65	18.1	0	
15	64QAM	36	0	16.79	16.82	16.72			
15	64QAM	36	20	16.64	16.73	16.65			
15	64QAM	36	39	16.73	16.72	16.66			
15	64QAM	75	0	16.60	16.71	16.56	Tune-up limit (dBm)	MPR (dB)	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	16.85	16.94	16.93	18.1	0	
10	QPSK	1	25	16.67	16.74	16.69			
10	QPSK	1	49	16.47	16.54	16.56			
10	QPSK	25	0	16.72	16.83	16.73			
10	QPSK	25	12	16.66	16.75	16.77	18.1	0	
10	QPSK	25	25	16.65	16.80	16.65			
10	QPSK	50	0	16.57	16.67	16.67			
10	16QAM	1	0	16.79	16.87	16.74			
10	16QAM	1	25	16.88	16.95	16.81	18.1	0	
10	16QAM	1	49	16.69	16.87	16.75			
10	16QAM	25	0	16.66	16.83	16.66			
10	16QAM	25	12	16.59	16.69	16.62			
10	16QAM	25	25	16.65	16.79	16.67	18.1	0	
10	16QAM	50	0	16.67	16.69	16.57			
10	64QAM	1	0	16.73	16.87	16.83			
10	64QAM	1	25	16.81	16.87	16.69			
10	64QAM	1	49	16.68	16.74	16.62	18.1	0	
10	64QAM	25	0	16.78	16.85	16.73			
10	64QAM	25	12	16.67	16.74	16.60			
10	64QAM	25	25	16.69	16.73	16.62			
10	64QAM	50	0	16.56	16.69	16.60	Tune-up limit (dBm)	MPR (dB)	
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	16.80	16.93	16.86	18.1	0	
5	QPSK	1	12	16.69	16.72	16.72			
5	QPSK	1	24	16.49	16.61	16.48			
5	QPSK	12	0	16.73	16.85	16.71			
5	QPSK	12	7	16.67	16.76	16.71	18.1	0	
5	QPSK	12	13	16.71	16.77	16.67			
5	QPSK	25	0	16.62	16.73	16.59			
5	16QAM	1	0	16.75	16.87	16.74			
5	16QAM	1	12	16.83	16.95	16.86	18.1	0	
5	16QAM	1	24	16.72	16.80	16.70			
5	16QAM	12	0	16.65	16.84	16.68			
5	16QAM	12	7	16.65	16.75	16.64			
5	16QAM	12	13	16.61	16.70	16.61	18.1	0	
5	16QAM	25	0	16.67	16.74	16.58			
5	64QAM	1	0	16.83	16.87	16.83			
5	64QAM	1	12	16.78	16.85	16.68			
5	64QAM	1	24	16.68	16.69	16.60	18.1	0	
5	64QAM	12	0	16.79	16.84	16.81			
5	64QAM	12	7	16.63	16.79	16.61			
5	64QAM	12	13	16.74	16.71	16.64			
5	64QAM	25	0	16.59	16.70	16.61	Tune-up limit (dBm)	MPR (dB)	
Channel				19965 <th>20175</th> <th>20385</th>	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	16.86	16.90	16.86	18.1	0	
3	QPSK	1	8	16.69	16.77	16.69			
3	QPSK	1	14	16.46	16.52	16.53			
3	QPSK	8	0	16.67	16.84	16.79			
3	QPSK	8	4	16.71	16.81	16.75	18.1	0	
3	QPSK	8	7	16.68	16.72	16.60			
3	QPSK	15	0	16.63	16.67	16.64			
3	16QAM	1	0	16.73	16.86	16.77			
3	16QAM	1	8	16.65	16.91	16.86	18.1	0	
3	16QAM	1	14	16.66	16.86	16.76			
3	16QAM	8	0	16.68	16.83	16.71			
3	16QAM	8	4	16.57	16.69	16.69			
3	16QAM	8	7	16.67	16.76	16.65	18.1	0	
3	16QAM	15	0	16.68	16.68	16.58			
3	64QAM	1	0	16.85	16.79	16.81			
3	64QAM	1	8	16.83	16.87	16.75			
3	64QAM	1	14	16.64	16.65	16.59	18.1	0	
3	64QAM	8	0	16.77	16.78	16.78			
3	64QAM	8	4	16.72	16.71	16.67			
3	64QAM	8	7	16.71	16.72	16.61			
3	64QAM	15	0	16.60	16.76	16.56	Tune-up limit (dBm)	MPR (dB)	
Channel				19957	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	16.86	16.97	16.85	18.1	0	
1.4	QPSK	1	3	16.69	16.73	16.71			
1.4	QPSK	1	5	16.51	16.55	16.52			
1.4	QPSK	3	0	16.72	16.83	16.71			
1.4	QPSK	3	1	16.72	16.80	16.73	18.1	0	
1.4	QPSK	3	3	16.63	16.80	16.67			
1.4	QPSK	6	0	16.60	16.75	16.65			
1.4	16QAM	1	0	16.81	16.87	16.79			
1.4	16QAM	1	3	16.84	16.93	16.87	18.1	0	
1.4	16QAM	1	5	16.68	16.80	16.71			
1.4	16QAM	3	0	16.65	16.78	16.74			
1.4	16QAM	3	1	16.57	16.73	16.67	18.1	0	
1.4	16QAM	3	3	16.56	16.72	16.68			
1.4	16QAM	6	0	16.66	16.70	16.63			
1.4	64QAM	1	0	16.83	16.84	16.78			
1.4	64QAM	1	3	16.76	16.81	16.71	18.1	0	
1.4	64QAM	1	5	16.60	16.69	16.63			
1.4	64QAM	3	0	16.75	16.81	16.77			
1.4	64QAM	3	3	16.68	16.73	16.69			
1.4	64QAM	6	0	16.59	16.73	16.56	Tune-up limit (dBm)	MPR (dB)	

Band 4_Ant 3									
BW [MHz]	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	23.21	23.29	23.17	24.1	0	
20	QPSK	1	49	23.10	23.14	23.01			
20	QPSK	1	99	23.12	23.24	23.13			
20	QPSK	50	0	22.14	22.28	22.24			
20	QPSK	50	24	22.06	22.19	22.12	23.1	1	
20	QPSK	50	50	22.10	22.22	22.07			
20	QPSK	100	0	22.23	22.31	22.27			
20	16QAM	1	0	22.32	22.30	22.29			
20	16QAM	1	49	22.15	22.06	22.15	23.1	1	
20	16QAM	1	99	22.23	22.22	22.19			
20	16QAM	50	0	21.12	21.17	21.26			
20	16QAM	50	24	20.99	21.02	21.05			
20	16QAM	50	50	21.06	21.00	21.02	22.1	2	
20	16QAM	100	0	21.06	21.16	21.23			
20	64QAM	1	0	21.18	21.15	21.12			
20	64QAM	1	49	20.86	20.86	20.92			
20	64QAM	1	99	20.94	21.03	20.92	22.1	2	
20	64QAM	50	0	20.21	20.21	20.16			
20	64QAM	50	24	20.15	20.16	20.09			
20	64QAM	50	50	20.03	20.01	20.07			
20	64QAM	100	0	20.10	20.15	20.21	21.1	3	
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.16	23.17	23.08	24.1	0	
15	QPSK	1	37	23.05	23.03	22.88			
15	QPSK	1	74	23.08	23.13	23.03			
15	QPSK	36	0	22.07	22.19	22.13			
15	QPSK	36	20	21.94	22.01	21.98	23.1	1	
15	QPSK	36	39	21.98	22.10	21.93			
15	QPSK	75	0	22.20	22.24	22.21			
15	16QAM	1	0	22.27	22.24	22.24			
15	16QAM	1	37	22.00	21.98	22.09	23.1	1	
15	16QAM	1	74	22.16	22.09	22.15			
15	16QAM	36	0	21.06	21.09	21.11			
15	16QAM	36	20	20.88	20.91	20.91			
15	16QAM	36	39	20.93	20.94	20.95	22.1	2	
15	16QAM	75	0	21.00	21.03	21.12			
15	64QAM	1	0	21.08	21.06	21.08			
15	64QAM	1	37	20.84	20.83	20.80			
15	64QAM	1	74	20.80	20.96	20.79	22.1	2	
15	64QAM	36	0	20.07	20.09	20.03			
15	64QAM	36	20	20.05	20.07	20.03			
15	64QAM	36	39	19.99	19.96	19.98			
15	64QAM	75	0	19.98	20.07	20.11	21.1	3	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.08	23.14	23.08	24.1	0	
10	QPSK	1	25	23.01	23.09	22.89			
10	QPSK	1	49	23.07	23.10	23.03			
10	QPSK	25	0	22.02	22.18	22.12			
10	QPSK	25	12	21.95	22.10	21.98	23.1	1	
10	QPSK	25	25	21.98	22.09	21.93			
10	QPSK	50	0	22.17	22.26	22.17			
10	16QAM	1	0	22.28	22.16	22.18			
10	16QAM	1	25	22.11	21.95	22.08	23.1	1	
10	16QAM	1	49	22.17	22.16	22.13			
10	16QAM	25	0	20.98	21.07	21.19			
10	16QAM	25	12	20.85	20.93	20.99			
10	16QAM	25	25	20.94	20.95	20.88	22.1	2	
10	16QAM	50	0	20.98	21.05	21.17			
10	64QAM	1	0	21.04	21.03	21.00			
10	64QAM	1	25	20.90	20.76	20.85			
10	64QAM	1	49	20.80	20.95	20.86	22.1	2	
10	64QAM	25	0	20.18	20.12	20.07			
10	64QAM	25	12	20.05	20.01	20.03			
10	64QAM	25	25	19.97	19.92	19.98			
10	64QAM	50	0	20.01	20.02	20.13	21.1	3	
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.10	23.16	23.02	24.1	0	
5	QPSK	1	12	23.06	23.10	22.88			
5	QPSK	1	24	23.03	23.17	23.05			
5	QPSK	12	0	22.01	22.23	22.15			
5	QPSK	12	7	22.03	22.09	22.02	23.1	1	
5	QPSK	12	13	22.02	22.07	21.92			
5	QPSK	25	0	22.11	22.27	22.16			
5	16QAM	1	0	22.21	22.23	22.14			
5	16QAM	1	12	22.09	21.92	22.07	23.1	1	
5	16QAM	1	24	22.14	22.10	22.06			
5	16QAM	12	0	21.03	21.12	21.20			
5	16QAM	12	7	20.94	20.95	20.98			
5	16QAM	12	13	21.03	20.93	20.97	22.1	2	
5	16QAM	25	0	21.01	21.05	21.18			
5	64QAM	1	0	21.11	21.11	21.01			
5	64QAM	1	12	20.90	20.85	20.80			
5	64QAM	1	24	20.91	20.93	20.86	22.1	2	
5	64QAM	12	0	20.13	20.13	20.06			
5	64QAM	12	7	20.12	20.08	19.99			
5	64QAM	12	13	19.99	19.90	19.95			
5	64QAM	25	0	20.01	20.02	20.14	21.1	3	
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.13	23.21	23.05	24.1	0	
3	QPSK	1	8	23.01	23.08	22.91			
3	QPSK	1	14	23.09	23.21	23.11			
3	QPSK	8	0	22.03	22.17	22.10			
3	QPSK	8	4	21.97	22.15	21.98	23.1	1	
3	QPSK	8	7	22.04	22.16	21.97			
3	QPSK	15	0	22.09	22.20	22.23			
3	16QAM	1	0	22.26	22.16	22.25			
3	16QAM	1	8	22.08	21.93	22.03	23.1	1	
3	16QAM	1	14	22.10	22.18	22.10			
3	16QAM	8	0	21.08	21.02	21.15			
3	16QAM	8	4	20.88	20.98	21.01			
3	16QAM	8	7	20.93	20.90	20.99	22.1	2	
3	16QAM	15	0	20.93	21.01	21.12			
3	64QAM	1	0	21.08	21.04	21.00			
3	64QAM	1	8	20.93	20.81	20.79			
3	64QAM	1	14	20.81	20.89	20.87	22.1	2	
3	64QAM	8	0	20.13	20.09	20.02			
3	64QAM	8	4	20.02	20.04	19.94			
3	64QAM	8	7	19.97	19.87	19.95			
3	64QAM	15	0	19.96	20.00	20.13	21.1	3	
Channel				19957	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.13	23.17	23.06	24.1	0	
1.4	QPSK	1	3	23.00	23.07	22.91			
1.4	QPSK	1	5	23.02	23.13	23.09			
1.4	QPSK	3	0	23.06	23.21	23.15			
1.4	QPSK	3	1	22.99	23.10	22.99	23.1	1	
1.4	QPSK	3	3	23.02	23.17	22.95			
1.4	QPSK	6	0	22.09	22.25	22.13			
1.4	16QAM	1	0	22.26	22.18	22.17			
1.4	16QAM	1	3	22.05	21.94	22.11	23.1	1	
1.4	16QAM	1	5	22.11	22.11	22.06			
1.4	16QAM	3	0	22.08	22.04	22.21			
1.4	16QAM	3	1	21.90	21.92	21.94	22.1	2	
1.4	16QAM	3	3	21.96	21.94	21.98			
1.4	16QAM	6	0	20.94	21.10	21.11			
1.4	64QAM	1	0	21.11	21.10	20.99			
1.4	64QAM	1	3	20.94	20.80	20.80	22.1	2	
1.4	64QAM	1	5	20.87	20.96	20.80			
1.4	64QAM	3	0	21.14	21.16	21.03			
1.4	64QAM	3	1	21.06	21.12	21.05			
1.4	64QAM	3	3	20.94	20.97	21.00	21.1	3	
1.4	64QAM	6	0	20.00	20.01	20.08			

Band 7_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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.72	24.87	24.81	25.5	0	
20	QPSK	1	49	24.68	24.76	24.61			
20	QPSK	1	99	24.63	24.73	24.63			
20	QPSK	50	0	23.74	23.81	23.85	24.5	1	
20	QPSK	50	24	23.74	23.81	23.72			
20	QPSK	50	50	23.74	23.86	23.72			
20	QPSK	100	0	23.69	23.77	23.69	24.5	1	
20	16QAM	1	0	23.75	23.90	23.87			
20	16QAM	1	49	23.65	23.83	23.76			
20	16QAM	1	99	23.69	23.84	23.76	23.5	2	
20	16QAM	50	0	22.74	22.86	22.76			
20	16QAM	50	24	22.84	22.74	22.64			
20	16QAM	50	50	22.72	22.86	22.63	23.5	2	
20	16QAM	100	0	22.70	22.73	22.64			
20	64QAM	1	0	22.72	22.81	22.75			
20	64QAM	1	49	22.60	22.64	22.64	23.5	2	
20	64QAM	1	99	22.57	22.75	22.69			
20	64QAM	50	0	21.74	21.86	21.84			
20	64QAM	50	24	21.57	21.77	21.68	22.5	3	
20	64QAM	50	50	21.60	21.80	21.77			
20	64QAM	100	0	21.55	21.76	21.61			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.64	24.80	24.73	25.5	0	
15	QPSK	1	37	24.63	24.61	24.50			
15	QPSK	1	74	24.56	24.65	24.50			
15	QPSK	36	0	23.69	23.77	23.71	24.5	1	
15	QPSK	36	20	23.64	23.67	23.61			
15	QPSK	36	39	23.66	23.76	23.63			
15	QPSK	75	0	23.66	23.69	23.62	24.5	1	
15	16QAM	1	0	23.62	23.78	23.75			
15	16QAM	1	37	23.55	23.77	23.62			
15	16QAM	1	74	23.61	23.76	23.72	24.5	1	
15	16QAM	36	0	22.76	22.81	22.71			
15	16QAM	36	20	22.58	22.69	22.50			
15	16QAM	36	39	22.64	22.76	22.53	23.5	2	
15	16QAM	75	0	22.58	22.68	22.57			
15	64QAM	1	0	22.61	22.89	22.69			
15	64QAM	1	37	22.53	22.54	22.58	23.5	2	
15	64QAM	1	74	22.50	22.69	22.57			
15	64QAM	36	0	21.70	21.78	21.77			
15	64QAM	36	20	21.50	21.69	21.60	22.5	3	
15	64QAM	36	39	21.49	21.73	21.70			
15	64QAM	75	0	21.43	21.63	21.55			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.69	24.74	24.71	25.5	0	
10	QPSK	1	25	24.57	24.72	24.50			
10	QPSK	1	49	24.58	24.67	24.52			
10	QPSK	25	0	23.76	23.88	23.79	24.5	1	
10	QPSK	25	12	23.66	23.70	23.69			
10	QPSK	25	25	23.60	23.76	23.65			
10	QPSK	50	0	23.59	23.65	23.61	24.5	1	
10	16QAM	1	0	23.64	23.76	23.73			
10	16QAM	1	25	23.61	23.69	23.65			
10	16QAM	1	49	23.60	23.73	23.63	23.5	2	
10	16QAM	25	0	22.78	22.82	22.72			
10	16QAM	25	12	22.51	22.64	22.58			
10	16QAM	25	25	22.62	22.76	22.54	23.5	2	
10	16QAM	50	0	22.63	22.68	22.56			
10	64QAM	1	0	22.66	22.75	22.64			
10	64QAM	1	25	22.51	22.60	22.50	23.5	2	
10	64QAM	1	49	22.47	22.65	22.59			
10	64QAM	25	0	21.82	21.75	21.79			
10	64QAM	25	12	21.47	21.67	21.59	22.5	3	
10	64QAM	25	25	21.55	21.65	21.73			
10	64QAM	50	0	21.41	21.64	21.55			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.58	24.79	24.69	25.5	0	
5	QPSK	1	12	24.58	24.72	24.56			
5	QPSK	1	24	24.51	24.67	24.59			
5	QPSK	12	0	23.73	23.82	23.75	24.5	1	
5	QPSK	12	7	23.67	23.67	23.65			
5	QPSK	12	13	23.70	23.71	23.66			
5	QPSK	25	0	23.60	23.66	23.57	24.5	1	
5	16QAM	1	0	23.64	23.82	23.78			
5	16QAM	1	12	23.52	23.76	23.71			
5	16QAM	1	24	23.63	23.73	23.61	23.5	2	
5	16QAM	12	0	22.78	22.80	22.68			
5	16QAM	12	7	22.60	22.64	22.53			
5	16QAM	12	13	22.67	22.71	22.58	23.5	2	
5	16QAM	25	0	22.58	22.66	22.60			
5	64QAM	1	0	22.62	22.71	22.68			
5	64QAM	1	12	22.47	22.52	22.60	23.5	2	
5	64QAM	1	24	22.45	22.70	22.54			
5	64QAM	12	0	21.61	21.72	21.77			
5	64QAM	12	7	21.54	21.64	21.58	22.5	3	
5	64QAM	12	13	21.53	21.66	21.69			
5	64QAM	25	0	21.48	21.63	21.50			

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	17.01	17.08	17.00	17.7	0	
20	QPSK	1	49	16.87	16.94	16.82			
20	QPSK	1	99	16.74	16.86	16.82			
20	QPSK	50	0	16.97	17.04	16.98	17.7	0	
20	QPSK	50	24	16.90	17.01	16.93			
20	QPSK	50	50	16.91	17.02	16.93			
20	QPSK	100	0	16.87	16.97	16.92	17.7	0	
20	16QAM	1	0	16.96	17.00	16.97			
20	16QAM	1	49	16.94	17.01	16.97			
20	16QAM	1	99	16.99	17.05	16.98	17.7	0	
20	16QAM	50	0	16.92	17.01	16.92			
20	16QAM	50	24	16.94	17.05	16.99			
20	16QAM	50	50	17.03	17.07	17.00	17.7	0	
20	16QAM	100	0	16.95	16.99	16.92			
20	64QAM	1	0	17.00	17.06	16.96			
20	64QAM	1	49	16.98	17.03	16.98	17.7	0	
20	64QAM	1	99	16.99	17.07	16.97			
20	64QAM	50	0	16.96	17.05	16.93			
20	64QAM	50	24	16.94	16.99	16.96	17.7	0	
20	64QAM	50	50	16.94	17.04	16.97			
20	64QAM	100	0	16.89	16.99	16.90			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.89	17.00	16.97	17.7	0	
15	QPSK	1	37	16.79	16.87	16.70			
15	QPSK	1	74	16.62	16.76	16.78			
15	QPSK	36	0	16.87	17.00	16.91	17.7	0	
15	QPSK	36	20	16.81	16.92	16.81			
15	QPSK	36	39	16.84	16.93	16.82	17.7	0	
15	QPSK	75	0	16.81	16.89	16.80			
15	16QAM	1	0	16.87	16.92	16.87	17.7	0	
15	16QAM	1	37	16.84	16.94	16.87			
15	16QAM	1	74	16.69	16.94	16.92			
15	16QAM	36	0	16.88	16.98	16.84	17.7	0	
15	16QAM	36	20	16.86	16.95	16.96			
15	16QAM	36	39	16.91	17.03	16.90	17.7	0	
15	16QAM	75	0	16.86	16.92	16.91			
15	64QAM	1	0	16.92	17.00	16.90	17.7	0	
15	64QAM	1	37	16.90	16.96	16.87			
15	64QAM	1	74	16.88	16.95	16.88			
15	64QAM	36	0	16.84	16.99	16.83	17.7	0	
15	64QAM	36	20	16.82	16.92	16.84			
15	64QAM	36	39	16.89	16.98	16.89	17.7	0	
15	64QAM	75	0	16.80	16.91	16.83			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2565			
10	QPSK	1	0	16.95	16.97	16.95	17.7	0	
10	QPSK	1	25	16.82	16.91	16.93			
10	QPSK	1	49	16.64	16.74	16.75			
10	QPSK	25	0	16.86	16.94	16.88	17.7	0	
10	QPSK	25	12	16.78	16.94	16.84			
10	QPSK	25	25	16.88	16.97	16.84			
10	QPSK	50	0	16.76	16.92	16.87	17.7	0	
10	16QAM	1	0	16.91	16.94	16.93			
10	16QAM	1	25	16.84	16.90	16.91			
10	16QAM	1	49	16.94	16.98	16.86	17.7	0	
10	16QAM	25	0	16.81	16.96	16.85			
10	16QAM	25	12	16.83	16.97	16.88			
10	16QAM	25	25	16.96	16.99	16.89	17.7	0	
10	16QAM	50	0	16.82	16.97	16.88			
10	64QAM	1	0	16.93	16.97	16.89			
10	64QAM	1	25	16.93	16.95	16.91	17.7	0	
10	64QAM	1	49	16.91	16.97	16.92			
10	64QAM	25	0	16.92	16.98	16.87			
10	64QAM	25	12	16.87	16.95	16.89	17.7	0	
10	64QAM	25	25	16.93	16.97	16.91			
10	64QAM	50	0	16.86	16.96	16.86			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.92	17.01	16.91	17.7	0	
5	QPSK	1	12	16.75	16.89	16.96			
5	QPSK	1	24	16.68	16.81	16.72			
5	QPSK	12	0	16.86	16.96	16.87	17.7	0	
5	QPSK	12	7	16.77	16.96	16.85			
5	QPSK	12	13	16.83	16.97	16.87			
5	QPSK	25	0	16.82	16.87	16.85	17.7	0	
5	16QAM	1	0	16.87	16.96	16.85			
5	16QAM	1	12	16.87	16.98	16.86			
5	16QAM	1	24	16.89	16.98	16.91	17.7	0	
5	16QAM	12	0	16.87	16.91	16.80			
5	16QAM	12	7	16.82	16.97	16.81			
5	16QAM	12	13	16.98	17.04	16.91	17.7	0	
5	16QAM	25	0	16.90	16.92	16.84			
5	64QAM	1	0	16.96	17.00	16.91			
5	64QAM	1	24	16.83	17.01	16.92	17.7	0	
5	64QAM	12	0	16.90	16.96	16.86			
5	64QAM	12	7	16.91	16.96	16.91			
5	64QAM	12	13	16.85	16.99	16.93	17.7	0	
5	64QAM	25	0	16.86	16.96	16.87			

Band 7_Ant 3									
BW [MHz]	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	24.1	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.10	23.25	23.35			
20	QPSK	1	49	23.07	23.14	23.06			
20	QPSK	1	99	23.00	23.07	22.98	23.1	1	
20	QPSK	50	0	22.27	22.32	22.18			
20	QPSK	50	24	22.11	22.16	22.03			
20	QPSK	50	50	22.19	22.24	22.15			
20	QPSK	100	0	22.08	22.21	22.08	23.1	1	
20	16QAM	1	0	22.14	22.23	22.08			
20	16QAM	1	49	21.98	22.00	22.05			
20	16QAM	1	99	22.11	22.12	22.17			
20	16QAM	50	0	21.18	21.22	21.24	22.1	2	
20	16QAM	50	24	21.03	21.04	21.00			
20	16QAM	50	50	21.03	21.00	20.99			
20	16QAM	100	0	21.19	21.13	21.04			
20	64QAM	1	0	21.03	21.12	21.15	22.1	2	
20	64QAM	1	49	20.92	20.95	20.96			
20	64QAM	1	99	20.99	21.00	20.97			
20	64QAM	50	0	20.16	20.21	20.29			
20	64QAM	50	24	20.10	20.08	20.11	21.1	3	
20	64QAM	50	50	20.08	20.03	20.13			
20	64QAM	100	0	20.20	20.08	20.14			
Channel				20825	21100	21375	24.1	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.00	23.13	23.11			
15	QPSK	1	37	22.99	23.02	22.97	23.1	1	
15	QPSK	1	74	22.93	23.03	22.84			
15	QPSK	38	0	22.14	22.26	22.08			
15	QPSK	38	20	22.03	22.04	21.89	22.1	2	
15	QPSK	38	39	22.16	22.18	22.05			
15	QPSK	75	0	21.95	22.18	22.06			
15	16QAM	1	0	22.08	22.16	22.02	23.1	1	
15	16QAM	1	37	21.86	21.94	22.00			
15	16QAM	1	74	21.96	22.05	22.05			
15	16QAM	38	0	20.87	20.95	20.88			
15	16QAM	38	20	20.88	20.95	20.88	22.1	2	
15	16QAM	38	39	20.93	20.87	20.93			
15	16QAM	75	0	21.05	21.06	20.90			
15	64QAM	1	0	20.98	21.04	21.04	22.1	2	
15	64QAM	1	37	20.86	20.82	20.89			
15	64QAM	1	74	20.87	20.95	20.88			
15	64QAM	38	0	20.08	20.16	20.24			
15	64QAM	38	20	20.00	19.95	20.00	21.1	3	
15	64QAM	38	39	19.95	19.97	20.03			
15	64QAM	75	0	20.09	20.01	20.07			
Channel				20800	21100	21400	24.1	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.96	23.16	23.20	23.1	1	
10	QPSK	1	25	22.99	23.05	22.97			
10	QPSK	1	49	22.92	23.01	22.83			
10	QPSK	25	0	22.14	22.28	22.05			
10	QPSK	25	12	22.02	22.08	21.99	23.1	1	
10	QPSK	25	25	22.15	22.09	22.06			
10	QPSK	50	0	21.93	22.09	21.99			
10	16QAM	1	0	22.10	22.09	21.93	22.1	2	
10	16QAM	1	25	21.99	21.89	22.02			
10	16QAM	1	49	22.04	21.99	22.13			
10	16QAM	25	0	21.14	21.17	21.10			
10	16QAM	25	12	20.89	20.95	20.93	22.1	2	
10	16QAM	25	25	20.94	20.96	20.90			
10	16QAM	50	0	21.12	21.05	20.97			
10	64QAM	1	0	20.93	21.00	21.10			
10	64QAM	1	25	20.86	20.82	20.92	22.1	2	
10	64QAM	1	49	20.91	20.93	20.91			
10	64QAM	25	0	20.06	20.07	20.20			
10	64QAM	25	12	20.03	19.98	19.98			
10	64QAM	25	25	20.01	19.94	20.10	21.1	3	
10	64QAM	50	0	20.05	19.98	20.05			
Channel				20775	21100	21425	24.1	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.04	23.11	23.12	23.1	1	
5	QPSK	1	12	22.98	23.04	22.93			
5	QPSK	1	24	22.89	22.94	22.92			
5	QPSK	12	0	22.18	22.26	22.04			
5	QPSK	12	7	22.01	22.09	22.00	23.1	1	
5	QPSK	12	13	22.08	22.14	22.07			
5	QPSK	25	0	22.01	22.09	21.99			
5	16QAM	1	0	22.06	22.08	21.98	23.1	1	
5	16QAM	1	12	21.93	21.93	21.94			
5	16QAM	1	24	21.97	22.08	22.07			
5	16QAM	12	0	21.13	21.17	21.14			
5	16QAM	12	7	20.99	21.01	20.88	22.1	2	
5	16QAM	12	13	20.94	20.91	20.86			
5	16QAM	25	0	21.14	21.04	20.94			
5	64QAM	1	0	20.91	20.98	21.12			
5	64QAM	1	12	20.81	20.91	20.91	22.1	2	
5	64QAM	1	24	20.86	20.87	20.93			
5	64QAM	12	0	20.05	20.10	20.25			
5	64QAM	12	7	20.03	20.02	20.05			
5	64QAM	12	13	20.03	19.93	20.03	21.1	3	
5	64QAM	25	0	20.07	20.04	20.11			

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	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.56	24.65	24.59	24.5	1	
10	QPSK	1	25	24.46	24.60	24.49			
10	QPSK	1	49	24.52	24.57	24.47			
10	QPSK	25	0	23.55	23.70	23.62			
10	QPSK	25	12	23.41	23.56	23.43	24.5	1	
10	QPSK	25	25	23.51	23.63	23.55			
10	QPSK	50	0	23.56	23.68	23.56			
10	16QAM	1	0	23.58	23.69	23.64	24.5	1	
10	16QAM	1	25	23.49	23.47	23.46			
10	16QAM	1	49	23.49	23.54	23.57			
10	16QAM	25	0	22.49	22.63	22.57			
10	16QAM	25	12	22.50	22.48	22.50	23.5	2	
10	16QAM	25	25	22.47	22.47	22.50			
10	16QAM	50	0	22.55	22.63	22.51			
10	64QAM	1	0	22.63	22.67	22.73	23.5	2	
10	64QAM	1	25	22.55	22.57	22.55			
10	64QAM	1	49	22.47	22.49	22.40			
10	64QAM	25	0	21.51	21.64	21.58			
10	64QAM	25	12	21.39	21.45	21.50	22.5	3	
10	64QAM	25	25	21.46	21.49	21.49			
10	64QAM	50	0	21.53	21.57	21.49			
Channel				23035	23095	23155	25.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.49	24.48	24.43	24.5	1	
5	QPSK	1	12	24.34	24.52	24.41			
5	QPSK	1	24	24.47	24.46	24.44			
5	QPSK	12	0	23.50	23.65	23.55			
5	QPSK	12	7	23.37	23.46	23.29	24.5	1	
5	QPSK	12	13	23.44	23.60	23.41			
5	QPSK	25	0	23.53	23.59	23.50			
5	16QAM	1	0	23.49	23.54	23.55	24.5	1	
5	16QAM	1	12	23.44	23.38	23.43			
5	16QAM	1	24	23.36	23.48	23.42			
5	16QAM	12	0	22.39	22.52	22.50			
5	16QAM	12	7	22.38	22.35	22.35	23.5	2	
5	16QAM	12	13	22.39	22.39	22.45			
5	16QAM	25	0	22.50	22.54	22.44			
5	64QAM	1	0	22.51	22.59	22.59	23.5	2	
5	64QAM	1	12	22.41	22.43	22.40			
5	64QAM	1	24	22.37	22.39	22.27			
5	64QAM	12	7	21.43	21.60	21.43			
5	64QAM	12	7	21.30	21.40	21.36	22.5	3	
5	64QAM	12	13	21.33	21.39	21.39			
5	64QAM	25	0	21.48	21.46	21.34			
Channel				23055	23095	23165	25.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.51	24.57	24.54	25.5	0	
3	QPSK	1	8	24.42	24.55	24.40			
3	QPSK	1	14	24.38	24.46	24.38			
3	QPSK	8	0	23.48	23.57	23.49			
3	QPSK	8	4	23.36	23.47	23.38	24.5	1	
3	QPSK	8	7	23.41	23.56	23.40			
3	QPSK	15	0	23.51	23.62	23.51			
3	16QAM	1	0	23.53	23.57	23.60			
3	16QAM	1	8	23.41	23.36	23.40	24.5	1	
3	16QAM	1	14	23.47	23.51	23.42			
3	16QAM	8	0	22.39	22.53	22.45			
3	16QAM	8	4	22.38	22.44	22.41	23.5	2	
3	16QAM	8	7	22.34	22.49	22.41			
3	16QAM	15	0	22.44	22.54	22.39			
3	64QAM	1	0	22.58	22.59	22.70			
3	64QAM	1	8	22.46	22.51	22.51	23.5	2	
3	64QAM	1	14	22.33	22.37	22.32			
3	64QAM	8	0	21.44	21.56	21.45			
3	64QAM	8	4	21.34	21.36	21.43	22.5	3	
3	64QAM	8	7	21.36	21.34	21.36			
3	64QAM	15	0	21.41	21.52	21.42			
Channel				23017	23095	23173	25.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.44	24.53	24.46	25.5	0	
1.4	QPSK	1	3	24.42	24.50	24.40			
1.4	QPSK	1	5	24.49	24.53	24.43			
1.4	QPSK	3	0	24.41	24.57	24.39			
1.4	QPSK	3	0	24.27	24.38	24.25	24.5	1	
1.4	QPSK	3	0	24.39	24.25	24.35			
1.4	QPSK	6	0	23.47	23.55	23.49			
1.4	16QAM	1	0	23.45	23.64	23.56			
1.4	16QAM	1	3	23.36	23.33	23.41	24.5	1	
1.4	16QAM	1	5	23.40	23.50	23.45			
1.4	16QAM	3	0	23.38	23.55	23.48			
1.4	16QAM	3	1	23.36	23.34	23.37			
1.4	16QAM	3	3	23.28	23.36	23.33	23.5	2	
1.4	16QAM	6	0	22.45	22.48	22.42			
1.4	64QAM	1	0	22.49	22.52	22.66			
1.4	64QAM	1	3	22.47	22.48	22.46			
1.4	64QAM	1	5	22.41	22.44	22.42	23.5	2	
1.4	64QAM	3	0	22.45	22.45	22.45			
1.4	64QAM	3	1	22.31	22.34	22.34			
1.4	64QAM	3	3	22.32	22.37	22.39			
1.4	64QAM	6	0	21.46	21.47	21.40	22.5	3	

Band 13_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				23230			25.5	0	
Frequency (MHz)				782					
10	QPSK	1	0		24.46				
10	QPSK	1	25		24.37				
10	QPSK	1	49		24.40		24.5	1	
10	QPSK	25	0		23.38				
10	QPSK	25	12		23.30				
10	QPSK	25	25		23.33				
10	QPSK	50	0		23.39		24.5	1	
10	16QAM	1	0		23.55				
10	16QAM	1	25		23.42				
10	16QAM	1	49		23.45				
10	16QAM	25	0		22.42		23.5	2	
10	16QAM	25	12		22.32				
10	16QAM	25	25		22.33				
10	16QAM	50	0		22.40				
10	64QAM	1	0		22.48		23.5	2	
10	64QAM	1	25		22.35				
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.43				
10	64QAM	25	12		21.35		22.5	3	
10	64QAM	25	25		21.37				
10	64QAM	50	0		21.38				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.32	24.41	24.26	25.5 <th colspan="2" rowspan="4">0</th>	0	
5	QPSK	1	12	24.20	24.31	24.20			
5	QPSK	1	24	24.15	24.33	24.25			
5	QPSK	12	0	23.12	23.34	23.19			
5	QPSK	12	7	23.20	23.21	23.02	24.5	1	
5	QPSK	12	13	23.13	23.27	23.10			
5	QPSK	25	0	23.20	23.29	23.18			
5	16QAM	1	0	23.40	23.50	23.47			
5	16QAM	1	12	23.18	23.27	23.29	24.5	1	
5	16QAM	1	24	23.28	23.35	23.29			
5	16QAM	12	0	22.20	22.29	22.22			
5	16QAM	12	7	22.22	22.19	22.18			
5	16QAM	12	13	22.11	22.26	22.12	23.5	2	
5	16QAM	25	0	22.24	22.29	22.20			
5	64QAM	1	0	22.27	22.41	22.32			
5	64QAM	1	12	22.12	22.21	22.19			
5	64QAM	1	24	22.26	22.30	22.18	23.5	2	
5	64QAM	12	0	21.24	21.29	21.25			
5	64QAM	12	7	21.23	21.24	21.19			
5	64QAM	12	13	21.10	21.28	21.16			
5	64QAM	25	0	21.19	21.23	21.17	22.5	3	

Band 13_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				23230			24.9	0				
Frequency (MHz)				782								
10	QPSK	1	0		23.88					23.9	1	
10	QPSK	1	25		23.80							
10	QPSK	1	49		23.83							
10	QPSK	25	0		22.79							
10	QPSK	25	12		22.75		23.9	1				
10	QPSK	25	25		22.72							
10	QPSK	50	0		22.74							
10	16QAM	1	0		22.81							
10	16QAM	1	25		22.72		23.9	1				
10	16QAM	1	49		22.73							
10	16QAM	25	0		21.52							
10	16QAM	25	12		21.50							
10	16QAM	25	25		21.48		22.9	2				
10	16QAM	50	0		21.74							
10	64QAM	1	0		21.77							
10	64QAM	1	25		21.73							
10	64QAM	1	49		21.67		22.9	2				
10	64QAM	25	0		20.46							
10	64QAM	25	12		20.40							
10	64QAM	25	25		20.33							
10	64QAM	50	0		20.57		21.9	3				
Channel				23205	23230	23255						
Frequency (MHz)				779.5	782	784.5						
5	QPSK	1	0	23.67	23.66	23.72				24.9	0	
5	QPSK	1	12	23.57	23.61	23.50						
5	QPSK	1	24	23.61	23.70	23.57						
5	QPSK	12	0	22.63	22.62	22.53						
5	QPSK	12	7	22.46	22.60	22.50	23.9	1				
5	QPSK	12	13	22.43	22.53	22.54						
5	QPSK	25	0	22.42	22.61	22.45						
5	16QAM	1	0	22.47	22.69	22.51						
5	16QAM	1	12	22.55	22.56	22.51	23.9	1				
5	16QAM	1	24	22.58	22.55	22.46						
5	16QAM	12	0	21.31	21.40	21.15						
5	16QAM	12	7	21.18	21.30	21.21						
5	16QAM	12	13	21.26	21.29	21.23	22.9	2				
5	16QAM	25	0	21.42	21.60	21.55						
5	64QAM	1	0	21.47	21.58	21.51						
5	64QAM	1	12	21.41	21.63	21.40						
5	64QAM	1	24	21.36	21.50	21.43	21.9	3				
5	64QAM	12	0	20.19	20.35	20.25						
5	64QAM	12	7	20.34	20.44	20.27						
5	64QAM	12	13	20.35	20.35	20.22						
5	64QAM	25	0	20.47	20.60	20.47						



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	23780	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.57	23.62	23.60	25.5	0	
10	QPSK	1	25	24.45	24.52	24.44			
10	QPSK	1	49	24.50	24.61	24.56			
10	QPSK	25	0	23.57	23.62	23.54			
10	QPSK	25	12	23.48	23.52	23.37	24.5	1	
10	QPSK	25	25	23.56	23.60	23.51			
10	QPSK	50	0	23.45	23.58	23.51			
10	16QAM	1	0	23.64	23.77	23.75			
10	16QAM	1	25	23.58	23.51	23.60	24.5	1	
10	16QAM	1	49	23.80	23.64	23.57			
10	16QAM	25	0	22.51	22.65	22.59			
10	16QAM	25	12	22.51	22.45	22.41			
10	16QAM	25	25	22.39	22.41	22.43	23.5	2	
10	16QAM	50	0	22.50	22.57	22.49			
10	64QAM	1	0	22.61	22.70	22.67			
10	64QAM	1	25	22.51	22.54	22.52			
10	64QAM	1	49	22.49	22.55	22.55	23.5	2	
10	64QAM	25	0	21.67	21.58	21.60			
10	64QAM	25	12	21.44	21.44	21.37			
10	64QAM	25	25	21.43	21.38	21.44			
10	64QAM	50	0	21.62	21.58	21.53	22.5	3	
Channel				23785	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.54	24.57	24.49	25.5	0	
5	QPSK	1	12	24.37	24.39	24.35			
5	QPSK	1	24	24.40	24.56	24.41			
5	QPSK	12	0	23.51	23.49	23.50			
5	QPSK	12	7	23.43	23.42	23.30	24.5	1	
5	QPSK	12	13	23.46	23.46	23.39			
5	QPSK	25	0	23.34	23.44	23.37			
5	16QAM	1	0	23.56	23.70	23.64			
5	16QAM	1	12	23.54	23.47	23.48	24.5	1	
5	16QAM	1	24	23.56	23.61	23.51			
5	16QAM	12	0	22.41	22.36	22.36			
5	16QAM	12	7	22.47	22.41	22.26			
5	16QAM	12	13	22.31	22.32	22.29	23.5	2	
5	16QAM	25	0	22.37	22.42	22.37			
5	64QAM	1	0	22.50	22.66	22.62			
5	64QAM	1	12	22.38	22.42	22.38			
5	64QAM	1	24	22.42	22.48	22.49	23.5	2	
5	64QAM	12	0	21.52	21.47	21.48			
5	64QAM	12	7	21.37	21.34	21.33			
5	64QAM	12	13	21.34	21.30	21.34			
5	64QAM	25	0	21.57	21.48	21.41	22.5	3	

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.46	23.59	23.55	24.8	0	
10	QPSK	1	25	23.42	23.48	23.38			
10	QPSK	1	49	23.40	23.52	23.38			
10	QPSK	25	0	22.67	22.78	22.62			
10	QPSK	25	12	22.51	22.56	22.43	23.8	1	
10	QPSK	25	25	22.62	22.73	22.58			
10	QPSK	50	0	22.73	22.76	22.70			
10	16QAM	1	0	22.68	22.74	22.57			
10	16QAM	1	25	22.58	22.63	22.57	23.8	1	
10	16QAM	1	49	22.57	22.60	22.62			
10	16QAM	25	0	21.55	21.64	21.49			
10	16QAM	25	12	21.54	21.51	21.54			
10	16QAM	25	25	21.54	21.44	21.48	22.8	2	
10	16QAM	50	0	21.58	21.73	21.69			
10	64QAM	1	0	21.64	21.69	21.62			
10	64QAM	1	25	21.46	21.48	21.46			
10	64QAM	1	49	21.62	21.56	21.54	22.8	2	
10	64QAM	25	0	20.57	20.65	20.48			
10	64QAM	25	12	20.46	20.42	20.46			
10	64QAM	25	25	20.47	20.45	20.38			
10	64QAM	50	0	20.65	20.68	20.54	21.8	3	
Channel				23785	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.37	23.51	23.46	24.8	0	
5	QPSK	1	12	23.38	23.36	23.33			
5	QPSK	1	24	23.36	23.42	23.30			
5	QPSK	12	0	22.64	22.68	22.48			
5	QPSK	12	7	22.43	22.51	22.30	23.8	1	
5	QPSK	12	13	22.50	22.66	22.51			
5	QPSK	25	0	22.60	22.68	22.67			
5	16QAM	1	0	22.54	22.70	22.42			
5	16QAM	1	12	22.53	22.54	22.47	23.8	1	
5	16QAM	1	24	22.53	22.54	22.48			
5	16QAM	12	0	21.49	21.57	21.36			
5	16QAM	12	7	21.48	21.47	21.39			
5	16QAM	12	13	21.43	21.35	21.44	22.8	2	
5	16QAM	25	0	21.43	21.64	21.65			
5	64QAM	1	0	21.58	21.58	21.52			
5	64QAM	1	12	21.32	21.44	21.38			
5	64QAM	1	24	21.57	21.46	21.49	22.8	2	
5	64QAM	12	0	20.48	20.50	20.41			
5	64QAM	12	7	20.31	20.33	20.32			
5	64QAM	12	13	20.40	20.38	20.26			
5	64QAM	25	0	20.58	20.65	20.42	21.8	3	

Band 26_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	23.39	23.45	23.39	25.5	0	
15	QPSK	1	37	24.31	24.36	24.24			
15	QPSK	1	74	24.34	24.41	24.31			
15	QPSK	36	0	23.30	23.41	23.34	24.5	1	
15	QPSK	36	20	23.28	23.37	23.30			
15	QPSK	36	39	23.29	23.33	23.25			
15	QPSK	75	0	23.44	23.48	23.43	24.5	1	
15	16QAM	75	0	23.40	23.56	23.51			
15	16QAM	1	37	23.37	23.46	23.36			
15	16QAM	1	74	23.44	23.36	23.41	23.5	2	
15	16QAM	36	0	22.44	22.47	22.46			
15	16QAM	36	20	22.37	22.31	22.39			
15	16QAM	36	39	22.34	22.33	22.29	23.5	2	
15	16QAM	75	0	22.40	22.43	22.31			
15	64QAM	1	0	22.41	22.45	22.37			
15	64QAM	1	37	22.32	22.23	22.32	22.5	3	
15	64QAM	1	74	22.31	22.30	22.24			
15	64QAM	36	0	21.39	21.44	21.43			
15	64QAM	36	20	21.28	21.24	21.24	22.5	3	
15	64QAM	36	39	21.23	21.23	21.19			
15	64QAM	75	0	21.30	21.43	21.35			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.26	24.36	24.29	25.5	0	
10	QPSK	1	25	24.26	24.24	24.09			
10	QPSK	1	49	24.23	24.34	24.20			
10	QPSK	25	0	23.25	23.27	23.29	24.5	1	
10	QPSK	25	12	23.17	23.25	23.22			
10	QPSK	25	25	23.15	23.19	23.21			
10	QPSK	50	0	23.38	23.36	23.29	24.5	1	
10	16QAM	1	0	23.40	23.43	23.41			
10	16QAM	1	25	23.33	23.36	23.30			
10	16QAM	1	49	23.32	23.32	23.27	23.5	2	
10	16QAM	25	0	22.32	22.25	22.25			
10	16QAM	25	12	22.20	22.25	22.17			
10	16QAM	25	25	22.21	22.24	22.17	23.5	2	
10	16QAM	50	0	22.32	22.34	22.20			
10	64QAM	1	0	22.28	22.31	22.27			
10	64QAM	1	25	22.17	22.16	22.28	22.5	3	
10	64QAM	1	49	22.17	22.21	22.16			
10	64QAM	25	0	21.30	21.41	21.29			
10	64QAM	25	12	21.22	21.17	21.12	22.5	3	
10	64QAM	25	25	21.18	21.16	21.04			
10	64QAM	50	0	21.16	21.35	21.29			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.42	24.30	25.5	0	
5	QPSK	1	12	24.27	24.26	24.14			
5	QPSK	1	24	24.29	24.37	24.17			
5	QPSK	12	0	23.22	23.28	23.27	24.5	1	
5	QPSK	12	7	23.17	23.26	23.22			
5	QPSK	12	13	23.23	23.22	23.17			
5	QPSK	25	0	23.37	23.43	23.32	24.5	1	
5	16QAM	1	0	23.35	23.49	23.36			
5	16QAM	1	12	23.34	23.41	23.34			
5	16QAM	1	24	23.33	23.25	23.37	23.5	2	
5	16QAM	12	0	22.34	22.33	22.40			
5	16QAM	12	7	22.25	22.26	22.27			
5	16QAM	12	13	22.31	22.30	22.18	23.5	2	
5	16QAM	25	0	22.31	22.29	22.16			
5	64QAM	1	0	22.35	22.37	22.33			
5	64QAM	1	12	22.20	22.11	22.24	22.5	3	
5	64QAM	1	24	22.19	22.22	22.21			
5	64QAM	12	0	21.25	21.36	21.30			
5	64QAM	12	7	21.16	21.14	21.14	22.5	3	
5	64QAM	12	13	21.14	21.16	21.08			
5	64QAM	25	0	21.27	21.29	21.25			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.30	24.40	24.33	25.5	0	
3	QPSK	1	8	24.26	24.26	24.15			
3	QPSK	1	14	24.28	24.31	24.24			
3	QPSK	8	0	23.24	23.34	23.20	24.5	1	
3	QPSK	8	4	23.20	23.30	23.19			
3	QPSK	8	7	23.26	23.22	23.11			
3	QPSK	15	0	23.41	23.33	23.36	24.5	1	
3	16QAM	1	0	23.42	23.49	23.47			
3	16QAM	1	8	23.24	23.31	23.23			
3	16QAM	1	14	23.36	23.31	23.31	23.5	2	
3	16QAM	8	0	22.38	22.32	22.40			
3	16QAM	8	4	22.25	22.20	22.25			
3	16QAM	8	7	22.24	22.25	22.21	23.5	2	
3	16QAM	15	0	22.31	22.31	22.21			
3	64QAM	1	0	22.33	22.36	22.31	23.5	2	
3	64QAM	1	8	22.26	22.16	22.24			
3	64QAM	1	14	22.21	22.26	22.10			
3	64QAM	8	0	21.35	21.34	21.38	22.5	3	
3	64QAM	8	4	21.21	21.17	21.12			
3	64QAM	8	7	21.20	21.15	21.13			
3	64QAM	15	0	21.22	21.31	21.27	22.5	3	
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.32	24.36	24.32	25.5	0	
1.4	QPSK	1	3	24.22	24.31	24.13			
1.4	QPSK	1	5	24.24	24.33	24.26			
1.4	QPSK	3	0	24.21	24.29	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.26	24.24			
1.4	QPSK	3	3	24.24	24.27	24.20			
1.4	QPSK	6	0	23.40	23.39	23.40	24.5	1	
1.4	16QAM	1	0	23.44	23.49	23.44			
1.4	16QAM	1	3	23.29	23.32	23.23			
1.4	16QAM	1	5	23.33	23.29	23.32	24.5	1	
1.4	16QAM	3	0	23.30	23.38	23.37			
1.4	16QAM	3	1	23.25	23.16	23.24			
1.4	16QAM	3	3	23.27	23.22	23.15	23.5	2	
1.4	16QAM	6	0	22.25	22.33	22.21			
1.4	64QAM	1	0	22.30	22.38	22.28			
1.4	64QAM	1	3	22.28	22.15	22.23	23.5	2	
1.4	64QAM	1	5	22.19	22.22	22.09			
1.4	64QAM	3	0	22.29	22.32	22.32			
1.4	64QAM	3	1	22.24	22.15	22.18	22.5	3	
1.4	64QAM	3	3	22.12	22.16	22.05			
1.4	64QAM	6	0	21.25	21.29	21.32			

Band 26_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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.54	23.64	23.49	24.9	0	
15	QPSK	1	37	23.53	23.51	23.41			
15	QPSK	1	74	23.52	23.54	23.43			
15	QPSK	36	0	23.00	23.13	22.97	24.4	0.5	
15	QPSK	36	20	22.97	23.07	22.96			
15	QPSK	36	39	22.97	23.11	22.85			
15	QPSK	75	0	23.01	23.27	22.93	24.4	0.5	
15	16QAM	75	0	23.15	23.23	23.20			
15	16QAM	1	37	23.25	23.38	23.15			

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	16.78	16.86	16.80	18	0	
20	QPSK	1	49	16.47	16.63	16.52			
20	QPSK	1	99	16.48	16.46	16.62			
20	QPSK	50	0	16.72	16.84	16.09			
20	QPSK	50	24	16.45	16.75	16.65	18	0	
20	QPSK	50	50	16.53	16.69	16.57			
20	QPSK	100	0	16.43	16.82	16.59			
20	16QAM	1	0	16.61	16.59	16.60			
20	16QAM	1	49	16.70	16.71	16.70	18	0	
20	16QAM	1	99	16.55	16.58	16.63			
20	16QAM	50	0	16.60	16.69	16.55			
20	16QAM	50	24	16.64	16.74	16.54			
20	16QAM	50	50	16.56	16.72	16.71	18	0	
20	16QAM	100	0	16.66	16.53	16.75			
20	64QAM	1	0	16.67	16.77	16.62			
20	64QAM	1	49	16.57	16.51	16.76			
20	64QAM	1	99	16.63	16.56	16.65	18	0	
20	64QAM	50	0	16.53	16.68	16.62			
20	64QAM	50	24	16.68	16.73	16.63			
20	64QAM	50	50	16.53	16.73	16.61			
20	64QAM	100	0	16.60	16.68	16.52	18	0	
Channel				132022	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.58	16.79	16.76	18	0	
15	QPSK	1	37	16.35	16.60	16.47			
15	QPSK	1	74	16.43	16.40	16.59			
15	QPSK	36	0	16.42	16.68	16.62			
15	QPSK	36	20	16.39	16.66	16.58	18	0	
15	QPSK	36	39	16.42	16.66	16.50			
15	QPSK	75	0	16.38	16.64	16.55			
15	16QAM	1	0	16.49	16.56	16.57			
15	16QAM	1	37	16.60	16.60	16.59	18	0	
15	16QAM	1	74	16.48	16.50	16.59			
15	16QAM	36	0	16.51	16.64	16.48			
15	16QAM	36	20	16.54	16.67	16.49			
15	16QAM	36	39	16.46	16.62	16.65	18	0	
15	16QAM	75	0	16.60	16.50	16.69			
15	64QAM	1	0	16.64	16.72	16.50			
15	64QAM	1	37	16.53	16.46	16.71			
15	64QAM	1	74	16.53	16.46	16.58	18	0	
15	64QAM	36	0	16.45	16.56	16.54			
15	64QAM	36	20	16.62	16.63	16.51			
15	64QAM	36	39	16.41	16.70	16.53			
15	64QAM	75	0	16.50	16.62	16.44	18	0	
Channel				132022	132322	132622			
Frequency (MHz)				1717.5	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.53	16.79	16.68	18	0	
10	QPSK	1	25	16.43	16.55	16.40			
10	QPSK	1	49	16.41	16.36	16.59			
10	QPSK	25	0	16.49	16.64	16.63			
10	QPSK	25	12	16.34	16.67	16.50	18	0	
10	QPSK	25	25	16.42	16.57	16.50			
10	QPSK	50	0	16.39	16.60	16.50			
10	16QAM	1	0	16.51	16.40	16.55			
10	16QAM	1	25	16.53	16.63	16.60	18	0	
10	16QAM	1	49	16.50	16.54	16.57			
10	16QAM	25	0	16.53	16.59	16.43			
10	16QAM	25	12	16.55	16.71	16.48			
10	16QAM	25	25	16.46	16.64	16.64	18	0	
10	16QAM	50	0	16.57	16.50	16.67			
10	64QAM	1	0	16.56	16.68	16.53			
10	64QAM	1	25	16.54	16.43	16.66			
10	64QAM	1	49	16.54	16.46	16.55	18	0	
10	64QAM	25	0	16.48	16.64	16.53			
10	64QAM	25	12	16.62	16.68	16.60			
10	64QAM	25	25	16.46	16.61	16.56			
10	64QAM	50	0	16.48	16.54	16.47	18	0	
Channel				131987	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.54	16.81	16.70	18	0	
5	QPSK	1	12	16.41	16.51	16.49			
5	QPSK	1	24	16.36	16.39	16.59			
5	QPSK	12	0	16.51	16.65	16.59			
5	QPSK	12	7	16.42	16.63	16.53	18	0	
5	QPSK	12	13	16.41	16.54	16.49			
5	QPSK	25	0	16.34	16.68	16.53			
5	16QAM	1	0	16.53	16.54	16.57			
5	16QAM	1	12	16.63	16.59	16.65	18	0	
5	16QAM	1	24	16.48	16.46	16.59			
5	16QAM	12	0	16.49	16.64	16.52			
5	16QAM	12	7	16.59	16.70	16.50			
5	16QAM	12	13	16.51	16.68	16.65	18	0	
5	16QAM	25	0	16.63	16.47	16.64			
5	64QAM	1	0	16.59	16.74	16.52			
5	64QAM	1	12	16.45	16.40	16.72			
5	64QAM	1	24	16.57	16.46	16.62	18	0	
5	64QAM	12	0	16.44	16.58	16.52			
5	64QAM	12	7	16.65	16.62	16.53			
5	64QAM	12	13	16.47	16.67	16.50			
5	64QAM	25	0	16.50	16.58	16.40	18	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.52	16.79	16.76	18	0	
3	QPSK	1	8	16.37	16.53	16.47			
3	QPSK	1	14	16.40	16.39	16.57			
3	QPSK	8	0	16.42	16.65	16.59			
3	QPSK	8	4	16.37	16.68	16.56	18	0	
3	QPSK	8	7	16.44	16.57	16.47			
3	QPSK	15	0	16.39	16.62	16.54			
3	16QAM	1	0	16.58	16.48	16.48			
3	16QAM	1	8	16.65	16.60	16.67	18	0	
3	16QAM	1	14	16.49	16.46	16.51			
3	16QAM	8	0	16.51	16.59	16.50			
3	16QAM	8	4	16.53	16.66	16.44			
3	16QAM	8	7	16.46	16.64	16.67	18	0	
3	16QAM	15	0	16.63	16.50	16.63			
3	64QAM	1	0	16.64	16.70	16.54			
3	64QAM	1	8	16.54	16.43	16.65			
3	64QAM	1	14	16.55	16.51	16.55	18	0	
3	64QAM	8	0	16.42	16.64	16.59			
3	64QAM	8	4	16.63	16.68	16.58			
3	64QAM	8	7	16.45	16.70	16.58			
3	64QAM	15	0	16.50	16.61	16.47	18	0	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.55	16.74	16.70	18	0	
1.4	QPSK	1	3	16.35	16.54	16.46			
1.4	QPSK	1	5	16.39	16.36	16.54			
1.4	QPSK	3	0	16.47	16.72	16.64			
1.4	QPSK	3	1	16.35	16.72	16.55	18	0	
1.4	QPSK	3	3	16.46	16.57	16.52			
1.4	QPSK	6	0	16.33	16.60	16.54			
1.4	16QAM	1	0	16.57	16.50	16.51			
1.4	16QAM	1	3	16.65	16.62	16.61	18	0	
1.4	16QAM	1	5	16.45	16.47	16.55			
1.4	16QAM	3	0	16.56	16.58	16.45			
1.4	16QAM	3	1	16.55	16.66	16.51			
1.4	16QAM			16.45	16.59	16.63	18	0	
1.4	16QAM	6	0	16.59	16.50	16.67			
1.4	16QAM	0	0	16.55	16.69	16.50			
1.4	64QAM	1	3	16.53	16.43	16.69			
1.4	64QAM	1	5	16.58	16.62	16.54	18	0	
1.4	64QAM	1	0	16.41	16.65	16.56			
1.4	64QAM	3	1	16.61	16.61	16.53			
1.4	64QAM	3	3	16.43	16.61	16.58			
1.4	64QAM	6	0	16.52	16.60	16.42	18	0	

Band 38_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				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.69	24.78	24.65			
20	QPSK	1	49	24.68	24.75	24.64			
20	QPSK	1	99	24.55	24.66	24.57	24.5	1	
20	QPSK	50	0	23.77	23.81	23.74			
20	QPSK	50	24	23.65	23.63	23.70			
20	QPSK	50	50	23.52	23.64	23.54			
20	QPSK	100	0	23.65	23.69	23.60	24.5	1	
20	16QAM	1	0	23.76	23.77	23.73			
20	16QAM	1	49	23.58	23.57	23.56			
20	16QAM	1	99	23.62	23.59	23.60			
20	16QAM	50	0	22.79	22.75	22.85	23.5	2	
20	16QAM	50	24	22.63	22.63	22.64			
20	16QAM	50	50	22.59	22.69	22.60			
20	16QAM	100	0	22.73	22.71	22.78			
20	64QAM	1	0	22.47	22.51	22.42	23.5	2	
20	64QAM	1	49	22.27	22.22	22.30			
20	64QAM	1	99	22.43	22.40	22.40			
20	64QAM	50	0	21.76	21.73	21.79			
20	64QAM	50	24	21.58	21.63	21.68	22.5	3	
20	64QAM	50	50	21.54	21.49	21.47			
20	64QAM	100	0	21.69	21.69	21.74			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.53	24.74	24.63			
15	QPSK	1	37	24.62	24.62	24.53			
15	QPSK	1	74	24.41	24.56	24.47			
15	QPSK	36	0	23.74	23.77	23.61	24.5	1	
15	QPSK	36	20	23.57	23.66	23.56			
15	QPSK	36	39	23.47	23.52	23.43			
15	QPSK	75	0	23.56	23.65	23.49			
15	16QAM	1	0	23.68	23.64	23.67	24.5	1	
15	16QAM	1	37	23.54	23.46	23.47			
15	16QAM	1	74	23.48	23.57	23.46			
15	16QAM	36	0	22.73	22.71	22.77			
15	16QAM	36	20	22.53	22.56	22.49	23.5	2	
15	16QAM	36	39	22.48	22.66	22.52			
15	16QAM	75	0	22.66	22.62	22.65			
15	64QAM	1	0	22.35	22.40	22.31			
15	64QAM	1	37	22.22	22.19	22.17	23.5	2	
15	64QAM	1	74	22.35	22.28	22.29			
15	64QAM	36	0	21.65	21.69	21.69			
15	64QAM	36	20	21.52	21.59	21.54			
15	64QAM	36	39	21.47	21.44	21.39	22.5	3	
15	64QAM	75	0	21.58	21.58	21.63			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.58	24.71	24.63			
10	QPSK	1	25	24.59	24.67	24.50			
10	QPSK	1	49	24.42	24.56	24.43			
10	QPSK	25	0	23.69	23.76	23.69	24.5	1	
10	QPSK	25	12	23.59	23.66	23.55			
10	QPSK	25	25	23.38	23.58	23.44			
10	QPSK	50	0	23.55	23.66	23.47			
10	16QAM	1	0	23.62	23.65	23.65	24.5	1	
10	16QAM	1	25	23.51	23.52	23.46			
10	16QAM	1	49	23.54	23.54	23.54			
10	16QAM	25	0	22.73	22.66	22.81			
10	16QAM	25	12	22.52	22.53	22.59	23.5	2	
10	16QAM	25	25	22.53	22.60	22.50			
10	16QAM	50	0	22.60	22.62	22.74			
10	64QAM	1	0	22.42	22.37	22.31			
10	64QAM	1	25	22.14	22.11	22.23	23.5	2	
10	64QAM	1	49	22.38	22.31	22.36			
10	64QAM	25	0	21.62	21.58	21.73			
10	64QAM	25	12	21.55	21.59	21.60			
10	64QAM	25	25	21.42	21.37	21.40	22.5	3	
10	64QAM	50	0	21.58	21.61	21.62			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.55	24.75	24.52			
5	QPSK	1	12	24.68	24.64	24.59			
5	QPSK	1	24	24.47	24.62	24.46			
5	QPSK	12	0	23.68	23.69	23.65	24.5	1	
5	QPSK	12	7	23.61	23.65	23.50			
5	QPSK	12	13	23.40	23.49	23.42			
5	QPSK	25	0	23.62	23.64	23.45			
5	16QAM	1	0	23.71	23.74	23.64	24.5	1	
5	16QAM	1	12	23.45	23.43	23.42			
5	16QAM	1	24	23.59	23.56	23.48			
5	16QAM	12	0	22.70	22.69	22.77			
5	16QAM	12	7	22.59	22.56	22.57	23.5	2	
5	16QAM	12	13	22.49	22.66	22.50			
5	16QAM	25	0	22.63	22.64	22.69			
5	64QAM	1	0	22.33	22.38	22.38			
5	64QAM	1	12	22.23	22.09	22.24	23.5	2	
5	64QAM	1	24	22.32	22.29	22.27			
5	64QAM	12	0	21.65	21.63	21.73			
5	64QAM	12	7	21.44	21.49	21.56			
5	64QAM	12	13	21.50	21.36	21.36	22.5	3	
5	64QAM	25	0	21.55	21.62	21.59			

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	22	0	0	
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.78	20.89	20.61	22	0	0	
20	QPSK	1	49	20.73	20.81	20.49				
20	QPSK	1	99	20.62	20.68	20.44				
20	QPSK	50	0	20.74	20.86	20.55				
20	QPSK	50	24	20.74	20.81	20.49	22	0	0	
20	QPSK	50	50	20.75	20.85	20.46				
20	QPSK	100	0	20.80	20.83	20.56				
20	16QAM	1	0	20.65	20.74	20.46				
20	16QAM	1	49	20.81	20.85	20.50	22	0	0	
20	16QAM	1	99	20.80	20.83	20.45				
20	16QAM	50	0	20.80	20.87	20.62				
20	16QAM	50	24	20.82	20.85	20.57				
20	16QAM	50	50	20.74	20.82	20.56	22	0	0	
20	16QAM	100	0	20.80	20.86	20.61				
20	64QAM	1	0	20.38	20.48	20.15				
20	64QAM	1	49	20.64	20.67	20.34				
20	64QAM	1	99	20.51	20.57	20.31	22	0	0	
20	64QAM	50	0	20.76	20.86	20.50				
20	64QAM	50	24	20.81	20.84	20.50				
20	64QAM	50	50	20.75	20.81	20.48				
20	64QAM	100	0	20.82	20.86	20.47				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5	22	0	0	
15	QPSK	1	0	20.74	20.77	20.54				
15	QPSK	1	37	20.65	20.69	20.41	22	0	0	
15	QPSK	1	74	20.53	20.58	20.37				
15	QPSK	36	0	20.76	20.82	20.53				
15	QPSK	36	20	20.71	20.69	20.42				
15	QPSK	36	39	20.63	20.81	20.38	22	0	0	
15	QPSK	75	0	20.74	20.72	20.44				
15	16QAM	1	0	20.53	20.65	20.39				
15	16QAM	1	37	20.75	20.73	20.46				
15	16QAM	1	74	20.69	20.73	20.37	22	0	0	
15	16QAM	36	0	20.70	20.82	20.59				
15	16QAM	36	20	20.74	20.79	20.52				
15	16QAM	36	39	20.65	20.74	20.47				
15	16QAM	75	0	20.73	20.78	20.52	22	0	0	
15	64QAM	1	0	20.27	20.39	20.03				
15	64QAM	1	37	20.58	20.73	20.37				
15	64QAM	1	74	20.40	20.49	20.25				
15	64QAM	36	0	20.68	20.82	20.44	22	0	0	
15	64QAM	36	20	20.70	20.81	20.46				
15	64QAM	36	39	20.68	20.76	20.39				
15	64QAM	75	0	20.76	20.83	20.43				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615	22	0	0	
10	QPSK	1	0	20.68	20.66	20.51				
10	QPSK	1	25	20.61	20.69	20.45	22	0	0	
10	QPSK	1	49	20.58	20.60	20.36				
10	QPSK	25	0	20.76	20.77	20.54				
10	QPSK	25	12	20.69	20.71	20.40				
10	QPSK	25	25	20.72	20.73	20.43	22	0	0	
10	QPSK	50	0	20.75	20.72	20.48				
10	16QAM	1	0	20.55	20.64	20.40				
10	16QAM	1	25	20.73	20.74	20.45				
10	16QAM	1	49	20.68	20.74	20.36	22	0	0	
10	16QAM	25	0	20.74	20.81	20.54				
10	16QAM	25	12	20.77	20.78	20.45				
10	16QAM	25	25	20.64	20.78	20.42				
10	16QAM	50	0	20.69	20.76	20.52	22	0	0	
10	16QAM	50	0	20.28	20.39	20.05				
10	64QAM	1	25	20.54	20.59	20.25				
10	64QAM	1	49	20.41	20.46	20.28				
10	64QAM	25	0	20.67	20.75	20.41	22	0	0	
10	64QAM	25	12	20.78	20.78	20.47				
10	64QAM	25	25	20.67	20.69	20.42				
10	64QAM	50	0	20.72	20.81	20.39				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5	22 <th rowspan="2">0<th rowspan="2">0</th></th>	0 <th rowspan="2">0</th>	0	
5	QPSK	1	0	20.70	20.86	20.49				
5	QPSK	1	12	20.69	20.69	20.39	22	0	0	
5	QPSK	1	24	20.56	20.61	20.35				
5	QPSK	12	0	20.68	20.78	20.59				
5	QPSK	12	7	20.62	20.74	20.39				
5	QPSK	12	13	20.76	20.76	20.38	22	0	0	
5	QPSK	25	0	20.70	20.79	20.48				
5	16QAM	1	0	20.61	20.62	20.43				
5	16QAM	1	12	20.77	20.73	20.42				
5	16QAM	1	24	20.73	20.73	20.36	22	0	0	
5	16QAM	12	0	20.75	20.83	20.59				
5	16QAM	12	7	20.77	20.76	20.50				
5	16QAM	12	13	20.71	20.74	20.42				
5	16QAM	25	0	20.77	20.83	20.58	22	0	0	
5	64QAM	1	0	20.33	20.41	20.03				
5	64QAM	1	12	20.55	20.60	20.28				
5	64QAM	1	24	20.39	20.48	20.23				
5	64QAM	12	0	20.71	20.80	20.47	22	0	0	
5	64QAM	12	7	20.77	20.74	20.40				
5	64QAM	12	13	20.66	20.75	20.42				
5	64QAM	25	0	20.79	20.75	20.35				

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	22.2	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.85	20.89	20.92			
20	QPSK	1	49	20.71	20.71	20.74			
20	QPSK	1	99	20.76	20.75	20.63	22.2	0	
20	QPSK	50	0	20.79	20.81	20.78			
20	QPSK	50	24	20.63	20.74	20.68			
20	QPSK	50	50	20.65	20.76	20.74			
20	QPSK	100	0	20.72	20.75	20.74	22.2	0	
20	16QAM	1	0	20.61	20.62	20.73			
20	16QAM	1	49	20.74	20.67	20.71			
20	16QAM	1	99	20.82	20.80	20.76			
20	16QAM	50	0	20.76	20.76	20.83	22.2	0	
20	16QAM	50	24	20.83	20.85	20.67			
20	16QAM	50	50	20.80	20.74	20.81			
20	16QAM	100	0	20.72	20.74	20.85			
20	64QAM	1	0	20.31	20.37	20.50	22.2	0	
20	64QAM	1	49	20.59	20.60	20.61			
20	64QAM	1	99	20.53	20.56	20.61			
20	64QAM	50	0	20.74	20.75	20.84			
20	64QAM	50	24	20.81	20.83	20.74	22.2	0	
20	64QAM	50	50	20.82	20.74	20.81			
20	64QAM	100	0	20.73	20.83	20.81			
Channel				37825	38000	38175	22.2	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.73	20.85	20.71			
15	QPSK	1	37	20.61	20.70	20.66			
15	QPSK	1	74	20.73	20.73	20.60	22.2	0	
15	QPSK	36	0	20.67	20.73	20.71			
15	QPSK	36	20	20.86	20.86	20.65			
15	QPSK	36	36	20.54	20.69	20.68			
15	QPSK	75	0	20.70	20.74	20.68	22.2	0	
15	16QAM	1	0	20.59	20.60	20.69			
15	16QAM	1	37	20.65	20.65	20.64			
15	16QAM	1	74	20.74	20.69	20.75			
15	16QAM	36	0	20.65	20.84	20.75	22.2	0	
15	16QAM	36	20	20.78	20.76	20.63			
15	16QAM	36	39	20.76	20.70	20.72			
15	16QAM	75	0	20.70	20.68	20.83			
15	64QAM	1	0	20.27	20.26	20.44	22.2	0	
15	64QAM	1	37	20.55	20.59	20.49			
15	64QAM	1	74	20.44	20.47	20.60			
15	64QAM	36	0	20.71	20.66	20.74			
15	64QAM	36	20	20.73	20.72	20.71	22.2	0	
15	64QAM	36	39	20.73	20.68	20.73			
15	64QAM	75	0	20.63	20.79	20.76			
Channel				37800	38000	38200	22.2	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.79	20.79	20.79			
10	QPSK	1	25	20.62	20.84	20.70			
10	QPSK	1	49	20.68	20.71	20.60	22.2	0	
10	QPSK	25	0	20.69	20.79	20.69			
10	QPSK	25	12	20.61	20.63	20.58			
10	QPSK	25	25	20.60	20.74	20.65			
10	QPSK	50	0	20.70	20.71	20.73	22.2	0	
10	16QAM	1	0	20.53	20.60	20.62			
10	16QAM	1	25	20.64	20.66	20.59			
10	16QAM	1	49	20.80	20.79	20.65			
10	16QAM	25	0	20.69	20.66	20.75	22.2	0	
10	16QAM	25	12	20.73	20.76	20.64			
10	16QAM	25	25	20.72	20.65	20.75			
10	16QAM	50	0	20.69	20.73	20.80			
10	64QAM	1	0	20.20	20.31	20.45	22.2	0	
10	64QAM	1	25	20.49	20.48	20.57			
10	64QAM	1	49	20.46	20.52	20.49			
10	64QAM	25	0	20.72	20.72	20.75			
10	64QAM	25	12	20.70	20.76	20.62	22.2	0	
10	64QAM	25	25	20.79	20.65	20.75			
10	64QAM	50	0	20.62	20.81	20.80			
Channel				37775	38000	38225	22.2	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.81	20.83	20.72			
5	QPSK	1	12	20.68	20.65	20.64			
5	QPSK	1	24	20.67	20.70	20.58	22.2	0	
5	QPSK	12	0	20.68	20.72	20.77			
5	QPSK	12	7	20.57	20.68	20.66			
5	QPSK	12	13	20.57	20.75	20.64			
5	QPSK	25	0	20.62	20.72	20.72	22.2	0	
5	16QAM	1	0	20.58	20.58	20.68			
5	16QAM	1	12	20.68	20.67	20.65			
5	16QAM	1	24	20.74	20.79	20.74			
5	16QAM	12	0	20.75	20.64	20.61	22.2	0	
5	16QAM	12	7	20.75	20.80	20.61			
5	16QAM	12	13	20.78	20.65	20.72			
5	16QAM	25	0	20.67	20.65	20.80			
5	64QAM	1	0	20.22	20.26	20.45	22.2	0	
5	64QAM	1	12	20.58	20.57	20.49			
5	64QAM	1	24	20.47	20.50	20.54			
5	64QAM	12	0	20.63	20.89	20.75			
5	64QAM	12	7	20.77	20.74	20.73	22.2	0	
5	64QAM	12	13	20.78	20.67	20.80			
5	64QAM	25	0	20.63	20.76	20.79			

Band 38_Ant 3									
BW [MHz]	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	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.46	23.46	23.40			
20	QPSK	1	49	23.28	23.41	23.34			
20	QPSK	1	99	23.29	23.37	23.33	23.5	1	
20	QPSK	50	0	22.51	22.55	22.49			
20	QPSK	50	24	22.31	22.39	22.34			
20	QPSK	50	50	22.30	22.43	22.34			
20	QPSK	100	0	22.42	22.50	22.44	23.5	1	
20	16QAM	1	0	22.52	22.51	22.47			
20	16QAM	1	49	22.36	22.33	22.42			
20	16QAM	1	99	22.37	22.42	22.41			
20	16QAM	50	0	21.57	21.52	21.52	22.5	2	
20	16QAM	50	24	21.34	21.33	21.38			
20	16QAM	50	50	21.45	21.35	21.41			
20	16QAM	100	0	21.51	21.46	21.45			
20	64QAM	1	0	21.23	21.26	21.17	22.5	2	
20	64QAM	1	49	21.07	21.09	21.05			
20	64QAM	1	99	21.19	21.20	21.20			
20	64QAM	50	0	20.52	20.51	20.49			
20	64QAM	50	24	20.40	20.37	20.39	21.5	3	
20	64QAM	50	50	20.31	20.28	20.27			
20	64QAM	100	0	20.48	20.44	20.41			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24.5	0	
15	QPSK	1	0	23.33	23.45	23.37			
15	QPSK	1	37	23.19	23.32	23.22			
15	QPSK	1	74	23.20	23.25	23.21			
15	QPSK	36	0	22.37	22.43	22.41	23.5	1	
15	QPSK	36	20	22.22	22.25	22.20			
15	QPSK	36	39	22.23	22.34	22.23			
15	QPSK	75	0	22.29	22.41	22.32			
15	16QAM	1	0	22.47	22.44	22.33	23.5	1	
15	16QAM	1	37	22.32	22.28	22.37			
15	16QAM	1	74	22.24	22.28	22.31			
15	16QAM	36	0	21.43	21.47	21.38			
15	16QAM	36	20	21.30	21.24	21.30	22.5	2	
15	16QAM	36	39	21.36	21.25	21.29			
15	16QAM	75	0	21.48	21.44	21.37			
15	16QAM	1	0	21.10	21.14	21.14			
15	64QAM	1	37	20.99	21.02	21.05	22.5	2	
15	64QAM	1	74	21.10	21.08	21.08			
15	64QAM	36	0	20.45	20.46	20.38			
15	64QAM	36	20	20.27	20.30	20.33			
15	64QAM	36	39	20.22	20.14	20.17	21.5	3	
15	64QAM	75	0	20.43	20.37	20.29			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5	0	
10	QPSK	1	0	23.36	23.46	23.38			
10	QPSK	1	25	23.18	23.30	23.24			
10	QPSK	1	49	23.22	23.23	23.27			
10	QPSK	25	0	22.45	22.50	22.41	23.5	1	
10	QPSK	25	12	22.26	22.31	22.19			
10	QPSK	25	25	22.22	22.35	22.22			
10	QPSK	50	0	22.32	22.40	22.38			
10	16QAM	1	0	22.39	22.42	22.42	23.5	1	
10	16QAM	1	25	22.31	22.19	22.33			
10	16QAM	1	49	22.27	22.33	22.30			
10	16QAM	25	0	21.47	21.44	21.44			
10	16QAM	25	12	21.19	21.25	21.19	22.5	2	
10	16QAM	25	25	21.32	21.26	21.38			
10	16QAM	50	0	21.37	21.36	21.39			
10	64QAM	1	0	21.09	21.14	21.10			
10	64QAM	1	25	20.95	20.98	21.01	22.5	2	
10	64QAM	1	49	21.12	21.10	21.12			
10	64QAM	25	0	20.43	20.38	20.37			
10	64QAM	25	12	20.29	20.28	20.24			
10	64QAM	25	25	20.27	20.19	20.22	21.5	3	
10	64QAM	50	0	20.37	20.40	20.39			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24.5	0	
5	QPSK	1	0	23.34	23.37	23.32			
5	QPSK	1	12	23.16	23.34	23.20			
5	QPSK	1	24	23.14	23.26	23.26			
5	QPSK	12	0	22.42	22.43	22.42	23.5	1	
5	QPSK	12	7	22.27	22.28	22.22			
5	QPSK	12	13	22.26	22.36	22.27			
5	QPSK	25	0	22.30	22.35	22.40			
5	16QAM	1	0	22.41	22.41	22.39	23.5	1	
5	16QAM	1	12	22.22	22.29	22.28			
5	16QAM	1	24	22.34	22.30	22.36			
5	16QAM	12	0	21.43	21.38	21.44			
5	16QAM	12	7	21.25	21.28	21.26	22.5	2	
5	16QAM	12	13	21.33	21.33	21.35			
5	16QAM	25	0	21.44	21.35	21.34			
5	64QAM	1	0	21.14	21.11	21.12			
5	64QAM	1	12	21.03	21.03	20.92	22.5	2	
5	64QAM	1	24	21.10	21.13	21.16			
5	64QAM	12	0	20.43	20.45	20.43			
5	64QAM	12	7	20.45	20.45	20.34			
5	64QAM	12	13	20.20	20.20	20.16	21.5	3	
5	64QAM	25	0	20.44	20.30	20.34			

Band 41_Ant 0											
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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.75	24.79	24.91	24.82	24.78	25.5	0	
20	QPSK	1	49	24.68	24.74	24.78	24.84	24.67			
20	QPSK	1	99	24.63	24.61	24.67	24.62	24.58			
20	QPSK	50	0	23.76	23.70	23.85	23.83	23.80			
20	QPSK	50	24	23.61	23.67	23.71	23.63	23.61			
20	QPSK	50	50	23.59	23.64	23.63	23.54	23.57	24.5	1	
20	QPSK	100	0	23.79	23.76	23.88	23.81	23.83			
20	16QAM	1	0	23.78	23.61	23.77	23.82	23.86			
20	16QAM	1	49	23.56	23.59	23.56	23.52	23.57			
20	16QAM	1	99	23.55	23.55	23.63	23.59	23.63			
20	16QAM	50	0	22.77	22.63	22.79	22.87	22.84	23.5	2	
20	16QAM	50	24	22.61	22.59	22.57	22.62	22.60			
20	16QAM	50	50	22.59	22.65	22.61	22.65	22.62			
20	16QAM	100	0	22.78	22.69	22.73	22.86	22.89			
20	64QAM	1	0	22.41	22.31	22.59	22.42	22.53			
20	64QAM	1	49	22.39	22.41	22.47	22.45	22.50	23.5	2	
20	64QAM	1	99	22.46	22.49	22.48	22.40	22.49			
20	64QAM	50	0	21.72	21.64	21.86	21.83	21.89			
20	64QAM	50	24	21.76	21.80	21.78	21.75	21.75			
20	64QAM	50	50	21.69	21.73	21.70	21.71	21.75			
20	64QAM	100	0	21.71	21.68	21.85	21.75	21.82	22.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.71	24.74	24.78	24.70	24.68	25.5	0	
15	QPSK	1	37	24.54	24.67	24.68	24.58	24.53			
15	QPSK	1	74	24.57	24.51	24.63	24.50	24.51			
15	QPSK	36	0	23.67	23.66	23.84	23.73	23.72			
15	QPSK	36	20	23.48	23.56	23.56	23.58	23.51			
15	QPSK	36	39	23.45	23.61	23.55	23.45	23.47	24.5	1	
15	QPSK	75	0	23.64	23.72	23.84	23.76	23.75			
15	16QAM	1	0	23.65	23.52	23.71	23.74	23.82			
15	16QAM	1	37	23.48	23.53	23.44	23.47	23.52			
15	16QAM	1	74	23.44	23.60	23.60	23.49	23.58			
15	16QAM	36	0	22.69	22.59	22.73	22.80	22.71	23.5	2	
15	16QAM	36	20	22.53	22.55	22.44	22.57	22.54			
15	16QAM	36	39	22.45	22.62	22.47	22.56	22.54			
15	16QAM	75	0	22.66	22.60	22.66	22.81	22.77			
15	64QAM	1	0	22.30	22.25	22.53	22.30	22.40			
15	64QAM	1	37	22.27	22.27	22.40	22.38	22.40	23.5	2	
15	64QAM	1	74	22.36	22.35	22.35	22.46	22.34			
15	64QAM	36	0	21.63	21.58	21.76	21.69	21.84			
15	64QAM	36	20	21.63	21.65	21.66	21.71	21.68			
15	64QAM	36	39	21.60	21.69	21.67	21.60	21.71			
15	64QAM	75	0	21.57	21.56	21.79	21.71	21.71	22.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.65	24.66	24.86	24.67	24.70	25.5	0	
10	QPSK	1	25	24.65	24.71	24.65	24.58	24.53			
10	QPSK	1	49	24.50	24.54	24.60	24.53	24.51			
10	QPSK	25	0	23.68	23.57	23.78	23.71	23.69			
10	QPSK	25	12	23.48	23.55	23.66	23.51	23.54			
10	QPSK	25	25	23.55	23.52	23.53	23.50	23.52	24.5	1	
10	QPSK	50	0	23.70	23.71	23.82	23.75	23.76			
10	16QAM	1	0	23.68	23.56	23.66	23.77	23.79			
10	16QAM	1	25	23.46	23.47	23.48	23.45	23.49			
10	16QAM	1	49	23.42	23.62	23.60	23.46	23.60			
10	16QAM	25	0	22.70	22.56	22.75	22.78	22.78	23.5	2	
10	16QAM	25	12	22.53	22.55	22.50	22.56	22.53			
10	16QAM	25	25	22.53	22.57	22.51	22.54	22.56			
10	16QAM	50	0	22.64	22.65	22.59	22.77	22.74			
10	64QAM	1	0	22.32	22.21	22.53	22.34	22.44			
10	64QAM	1	25	22.25	22.28	22.33	22.38	22.40	23.5	2	
10	64QAM	1	49	22.37	22.37	22.40	22.42	22.42			
10	64QAM	25	0	21.85	21.55	21.80	21.77	21.80			
10	64QAM	25	12	21.64	21.76	21.63	21.69	21.65			
10	64QAM	25	25	21.63	21.67	21.62	21.61	21.67			
10	64QAM	50	0	21.64	21.59	21.71	21.67	21.72	22.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.66	24.74	24.81	24.78	24.71	25.5	0	
5	QPSK	1	12	24.56	24.71	24.72	24.55	24.54			
5	QPSK	1	24	24.56	24.49	24.58	24.49	24.52			
5	QPSK	12	0	23.64	23.63	23.80	23.77	23.72			
5	QPSK	12	7	23.47	23.57	23.62	23.54	23.48			
5	QPSK	12	13	23.50	23.53	23.55	23.47	23.51	24.5	1	
5	QPSK	25	0	23.75	23.67	23.73	23.77	23.77			
5	16QAM	1	0	23.67	23.55	23.72	23.76	23.81			
5	16QAM	1	12	23.43	23.48	23.44	23.45	23.53			
5	16QAM	1	24	23.51	23.58	23.58	23.49	23.58			
5	16QAM	12	0	22.73	22.50	22.70	22.74	22.73	23.5	2	
5	16QAM	12	7	22.54	22.55	22.53	22.52	22.48			
5	16QAM	12	13	22.54	22.51	22.51	22.52	22.49			
5	16QAM	25	0	22.73	22.59	22.60	22.83	22.84			
5	64QAM	1	0	22.28	22.18	22.45	22.34	22.49			
5	64QAM	1	12	22.35	22.32	22.44	22.35	22.42	23.5	2	
5	64QAM	1	24	22.42	22.45	22.43	22.40	22.43			
5	64QAM	12	0	21.63	21.53	21.77	21.69	21.81			
5	64QAM	12	7	21.64	21.66	21.72	21.60	21.71			
5	64QAM	12	13	21.64	21.65	21.65	21.57	21.70			
5	64QAM	25	0	21.67	21.57	21.73	21.61	21.75	22.5	3	

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.86	20.86	20.94	20.84	20.61	22	0		
20	QPSK	1	49	20.79	20.61	20.88	20.58	20.55				
20	QPSK	1	99	20.68	20.47	20.74	20.38	20.37				
20	QPSK	50	0	20.86	20.88	20.93	20.68	20.54				
20	QPSK	50	24	20.80	20.59	20.92	20.52	20.55				
20	QPSK	50	50	20.85	20.62	20.90	20.64	20.60	22	0		
20	QPSK	100	0	20.81	20.73	20.91	20.68	20.63				
20	16QAM	1	0	20.74	20.55	20.86	20.49	20.52				
20	16QAM	1	49	20.88	20.86	20.93	20.62	20.59				
20	16QAM	1	99	20.82	20.62	20.88	20.50	20.51				
20	16QAM	50	0	20.83	20.84	20.93	20.61	20.61	22	0		
20	16QAM	50	24	20.85	20.65	20.91	20.58	20.53				
20	16QAM	50	50	20.84	20.68	20.92	20.57	20.58				
20	16QAM	100	0	20.83	20.59	20.92	20.62	20.63				
20	64QAM	1	0	20.54	20.39	20.58	20.26	20.24				
20	64QAM	1	49	20.69	20.38	20.72	20.32	20.37	22	0		
20	64QAM	1	99	20.55	20.32	20.62	20.25	20.26				
20	64QAM	50	0	20.86	20.73	20.92	20.72	20.71				
20	64QAM	50	24	20.82	20.72	20.92	20.56	20.60				
20	64QAM	50	50	20.83	20.57	20.90	20.44	20.52				
20	64QAM	100	0	20.83	20.62	20.91	20.65	20.65				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.81	20.59	20.83	20.60	20.56	22	0		
15	QPSK	1	37	20.79	20.54	20.83	20.44	20.44				
15	QPSK	1	74	20.56	20.38	20.67	20.26	20.29				
15	QPSK	36	0	20.83	20.59	20.84	20.62	20.59				
15	QPSK	36	20	20.72	20.52	20.84	20.47	20.47				
15	QPSK	36	39	20.78	20.57	20.83	20.54	20.54	22	0		
15	QPSK	75	0	20.73	20.64	20.86	20.62	20.59				
15	16QAM	1	0	20.70	20.49	20.69	20.33	20.38				
15	16QAM	1	37	20.84	20.57	20.82	20.55	20.51				
15	16QAM	1	74	20.75	20.54	20.83	20.45	20.47				
15	16QAM	36	0	20.72	20.58	20.90	20.49	20.55	22	0		
15	16QAM	36	20	20.82	20.57	20.81	20.55	20.47				
15	16QAM	36	39	20.80	20.56	20.86	20.45	20.53				
15	16QAM	75	0	20.79	20.56	20.85	20.55	20.54				
15	64QAM	1	0	20.43	20.34	20.52	20.23	20.16				
15	64QAM	1	37	20.84	20.28	20.69	20.23	20.31	22	0		
15	64QAM	1	74	20.49	20.24	20.56	20.15	20.22				
15	64QAM	36	0	20.77	20.67	20.89	20.60	20.68				
15	64QAM	36	20	20.73	20.67	20.88	20.44	20.54				
15	64QAM	36	39	20.78	20.50	20.84	20.32	20.46				
15	64QAM	75	0	20.74	20.52	20.84	20.62	20.59	22	0		
Channel				39700	40160	40620	41060	41460			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	20.80	20.57	20.86	20.58	20.58			22	0
10	QPSK	1	25	20.74	20.49	20.84	20.46	20.46				
10	QPSK	1	49	20.57	20.44	20.69	20.31	20.30				
10	QPSK	25	0	20.78	20.65	20.89	20.63	20.55				
10	QPSK	25	12	20.77	20.51	20.88	20.46	20.50				
10	QPSK	25	25	20.81	20.56	20.82	20.53	20.49	22	0		
10	QPSK	50	0	20.74	20.70	20.86	20.54	20.54				
10	16QAM	1	0	20.64	20.52	20.77	20.40	20.41				
10	16QAM	1	25	20.83	20.55	20.83	20.57	20.53				
10	16QAM	1	49	20.70	20.57	20.79	20.38	20.44				
10	16QAM	25	0	20.74	20.58	20.81	20.53	20.50	22	0		
10	16QAM	25	12	20.77	20.54	20.80	20.46	20.41				
10	16QAM	25	25	20.79	20.65	20.86	20.52	20.48				
10	64QAM	1	0	20.78	20.49	20.84	20.56	20.56				
10	64QAM	1	0	20.44	20.35	20.55	20.16	20.16				
10	64QAM	1	25	20.86	20.28	20.61	20.21	20.27	22	0		
10	64QAM	1	49	20.47	20.27	20.55	20.15	20.19				
10	64QAM	25	0	20.83	20.64	20.89	20.69	20.66				
10	64QAM	25	12	20.77	20.64	20.89	20.48	20.48				
10	64QAM	25	25	20.74	20.54	20.86	20.42	20.42				
10	64QAM	50	0	20.80	20.56	20.85	20.55	20.60				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	20.85	20.56	20.90	20.57	20.57	22	0		
5	QPSK	1	12	20.71	20.53	20.83	20.45	20.47				
5	QPSK	1	24	20.62	20.39	20.71	20.26	20.31				
5	QPSK	12	0	20.74	20.64	20.84	20.65	20.58				
5	QPSK	12	7	20.70	20.51	20.83	20.45	20.49				
5	QPSK	12	13	20.74	20.51	20.79	20.57	20.57	22	0		
5	QPSK	25	0	20.73	20.67	20.85	20.57	20.53				
5	16QAM	1	0	20.65	20.48	20.78	20.41	20.41				
5	16QAM	1	12	20.78	20.58	20.87	20.56	20.51				
5	16QAM	1	24	20.71	20.58	20.76	20.47	20.45				
5	16QAM	12	0	20.73	20.52	20.80	20.54	20.59	22	0		
5	16QAM	12	7	20.80	20.62	20.81	20.41	20.41				
5	16QAM	12	13	20.77	20.64	20.81	20.45	20.55				
5	16QAM	25	0	20.76	20.53	20.89	20.56	20.55				
5	64QAM	1	0	20.43	20.34	20.51	20.16	20.20				
5	64QAM	1	12	20.66	20.33	20.64	20.21	20.25	22	0		
5	64QAM	1	24	20.46	20.24	20.55	20.13	20.19				
5	64QAM	12	0	20.76	20.67	20.81	20.49	20.57				
5	64QAM	12	7	20.72	20.64	20.89	20.44	20.52				
5	64QAM	12	13	20.76	20.50	20.79	20.36	20.44				
5	64QAM	25	0	20.71	20.55	20.79	20.61	20.54				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.74	20.69	20.80	20.72	20.74	22.2	0		
20	QPSK	1	49	20.63	20.63	20.68	20.63	20.58				
20	QPSK	1	99	20.51	20.57	20.60	20.49	20.49				
20	QPSK	50	0	20.74	20.72	20.78	20.73	20.70	22.2	0		
20	QPSK	50	24	20.69	20.66	20.77	20.70	20.66				
20	QPSK	50	50	20.64	20.64	20.75	20.69	20.67				
20	QPSK	100	0	20.64	20.60	20.71	20.67	20.60	22.2	0		
20	16QAM	1	0	20.56	20.51	20.62	20.55	20.51				
20	16QAM	1	49	20.60	20.63	20.72	20.66	20.68				
20	16QAM	1	99	20.63	20.64	20.75	20.66	20.71	22.2	0		
20	16QAM	50	0	20.61	20.60	20.72	20.60	20.61				
20	16QAM	50	24	20.72	20.75	20.79	20.71	20.70				
20	16QAM	50	50	20.67	20.62	20.72	20.62	20.66	22.2	0		
20	16QAM	100	0	20.65	20.66	20.74	20.64	20.66				
20	64QAM	1	0	20.29	20.31	20.37	20.28	20.28				
20	64QAM	1	49	20.51	20.51	20.55	20.50	20.49	22.2	0		
20	64QAM	1	99	20.45	20.44	20.48	20.37	20.45				
20	64QAM	50	0	20.61	20.60	20.71	20.68	20.65				
20	64QAM	50	24	20.75	20.73	20.79	20.67	20.71	21.7	0.5		
20	64QAM	50	50	20.61	20.60	20.71	20.62	20.67				
20	64QAM	100	0	20.66	20.67	20.73	20.70	20.66				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.62	20.62	20.72	20.60	20.71	22.2	0		
15	QPSK	1	37	20.57	20.51	20.62	20.58	20.52				
15	QPSK	1	74	20.44	20.52	20.56	20.41	20.38				
15	QPSK	36	0	20.71	20.70	20.71	20.69	20.58	22.2	0		
15	QPSK	36	20	20.65	20.55	20.65	20.59	20.60				
15	QPSK	36	39	20.55	20.53	20.72	20.62	20.58				
15	QPSK	75	0	20.60	20.51	20.66	20.64	20.48	22.2	0		
15	16QAM	1	0	20.49	20.45	20.59	20.52	20.43				
15	16QAM	1	37	20.50	20.56	20.60	20.55	20.60				
15	16QAM	1	74	20.57	20.58	20.63	20.56	20.65	22.2	0		
15	16QAM	36	0	20.65	20.56	20.67	20.49	20.57				
15	16QAM	36	20	20.60	20.65	20.69	20.66	20.59				
15	16QAM	36	39	20.58	20.56	20.66	20.54	20.60	22.2	0		
15	16QAM	75	0	20.55	20.61	20.69	20.59	20.61				
15	64QAM	1	0	20.20	20.25	20.33	20.21	20.21				
15	64QAM	1	37	20.41	20.44	20.43	20.45	20.39	22.2	0		
15	64QAM	1	74	20.41	20.34	20.42	20.29	20.42				
15	64QAM	36	0	20.57	20.54	20.63	20.56	20.57				
15	64QAM	36	20	20.72	20.64	20.68	20.57	20.59	21.7	0.5		
15	64QAM	36	39	20.58	20.51	20.59	20.50	20.59				
15	64QAM	75	0	20.61	20.62	20.62	20.64	20.59				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	20.70	20.57	20.72	20.65	20.62	22.2	0		
10	QPSK	1	25	20.60	20.52	20.62	20.52	20.49				
10	QPSK	1	49	20.42	20.51	20.49	20.46	20.40				
10	QPSK	25	0	20.62	20.66	20.68	20.65	20.66	22.2	0		
10	QPSK	25	12	20.62	20.63	20.72	20.62	20.59				
10	QPSK	25	25	20.61	20.55	20.65	20.59	20.55				
10	QPSK	50	0	20.61	20.48	20.64	20.60	20.51	22.2	0		
10	16QAM	1	0	20.44	20.44	20.54	20.52	20.48				
10	16QAM	1	25	20.57	20.57	20.62	20.55	20.59				
10	16QAM	1	49	20.57	20.54	20.64	20.57	20.59	22.2	0		
10	16QAM	25	0	20.58	20.50	20.61	20.57	20.51				
10	16QAM	25	12	20.65	20.63	20.76	20.62	20.58				
10	16QAM	25	25	20.57	20.59	20.66	20.56	20.58	22.2	0		
10	16QAM	50	0	20.61	20.60	20.65	20.55	20.63				
10	64QAM	1	0	20.22	20.21	20.30	20.24	20.25				
10	64QAM	1	25	20.42	20.48	20.47	20.41	20.44	22.2	0		
10	64QAM	1	49	20.41	20.41	20.45	20.32	20.33				
10	64QAM	25	0	20.51	20.56	20.63	20.58	20.56				
10	64QAM	25	12	20.68	20.65	20.67	20.55	20.62	21.7	0.5		
10	64QAM	25	25	20.50	20.55	20.66	20.57	20.59				
10	64QAM	50	0	20.56	20.62	20.66	20.66	20.54				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	20.66	20.61	20.76	20.68	20.71	22.2	0		
5	QPSK	1	12	20.59	20.60	20.64	20.54	20.55				
5	QPSK	1	24	20.40	20.46	20.53	20.41	20.37				
5	QPSK	12	0	20.70	20.63	20.68	20.64	20.60	22.2	0		
5	QPSK	12	7	20.64	20.56	20.72	20.64	20.56				
5	QPSK	12	13	20.52	20.54	20.65	20.58	20.57				
5	QPSK	25	0	20.59	20.56	20.63	20.55	20.52	22.2	0		
5	16QAM	1	0	20.46	20.46	20.53	20.46	20.45				
5	16QAM	1	12	20.52	20.53	20.66	20.57	20.59				
5	16QAM	1	24	20.53	20.59	20.69	20.57	20.59	22.2	0		
5	16QAM	12	0	20.59	20.50	20.60	20.48	20.49				
5	16QAM	12	7	20.68	20.70	20.72	20.63	20.59				
5	16QAM	12	13	20.58	20.53	20.62	20.53	20.63	22.2	0		
5	16QAM	25	0	20.56	20.60	20.68	20.58	20.55				
5	64QAM	1	0	20.23	20.28	20.34	20.23	20.21				
5	64QAM	1	12	20.44	20.42	20.50	20.41	20.41	22.2	0		
5	64QAM	1	24	20.35	20.36	20.45	20.27	20.33				
5	64QAM	12	0	20.56	20.52	20.61	20.57	20.58				
5	64QAM	12	7	20.70	20.69	20.73	20.59	20.59	21.7	0.5		
5	64QAM	12	13	20.58	20.55	20.61	20.57	20.56				
5	64QAM	25	0	20.59	20.58	20.61	20.65	20.59				

Band 41_Ant 3												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.49	23.33	23.53	23.38	23.50	24.5	0		
20	QPSK	1	49	23.30	23.31	23.41	23.37	23.28				
20	QPSK	1	99	23.31	23.31	23.36	23.21	23.24				
20	QPSK	50	0	22.36	22.34	22.53	22.45	22.46				
20	QPSK	50	24	22.36	22.34	22.36	22.32	22.35	23.5	1		
20	QPSK	50	50	22.32	22.27	22.39	22.32	22.33				
20	QPSK	100	0	22.26	22.36	22.49	22.40	22.42				
20	16QAM	1	0	22.53	22.30	22.55	22.39	22.51				
20	16QAM	1	49	22.38	22.42	22.37	22.42	22.39	23.5	1		
20	16QAM	1	99	22.45	22.42	22.46	22.45	22.43				
20	16QAM	50	0	21.48	21.35	21.36	21.27	21.48				
20	16QAM	50	24	21.43	21.38	21.38	21.43	21.42				
20	16QAM	50	50	21.35	21.37	21.39	21.30	21.32	22.5	2		
20	16QAM	100	0	21.46	21.30	21.52	21.40	21.54				
20	64QAM	1	0	21.22	21.07	21.29	21.14	21.32				
20	64QAM	1	49	21.21	21.12	21.10	21.08	21.11				
20	64QAM	1	99	21.16	21.22	21.20	21.21	21.23	21.5	3		
20	64QAM	50	0	20.41	20.30	20.30	20.43	20.46				
20	64QAM	50	24	20.44	20.43	20.37	20.41	20.38				
20	64QAM	50	50	20.29	20.30	20.34	20.34	20.27				
20	64QAM	100	0	20.42	20.23	20.47	20.37	20.40				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.20	23.46	23.26	23.42	23.5	1		
15	QPSK	1	37	23.17	23.23	23.30	23.32	23.21				
15	QPSK	1	74	23.16	23.28	23.28	23.09	23.14				
15	QPSK	36	0	22.35	22.26	22.43	22.39	22.42				
15	QPSK	36	20	22.33	22.29	22.37	22.25	22.20	23.5	1		
15	QPSK	36	39	22.26	22.16	22.32	22.24	22.27				
15	QPSK	75	0	22.32	22.31	22.42	22.29	22.29				
15	16QAM	1	0	22.44	22.26	22.47	22.34	22.47				
15	16QAM	1	37	22.33	22.33	22.32	22.27	22.25	23.5	1		
15	16QAM	1	74	22.32	22.31	22.33	22.35	22.29				
15	16QAM	36	0	21.43	21.27	21.51	21.42	21.37				
15	16QAM	36	20	21.32	21.29	21.31	21.30	21.32				
15	16QAM	36	39	21.24	21.27	21.31	21.17	21.24	22.5	2		
15	16QAM	75	0	21.41	21.20	21.40	21.33	21.43				
15	64QAM	1	0	21.09	21.02	21.18	21.06	21.22				
15	64QAM	1	37	21.06	21.05	21.21	21.07	20.98				
15	64QAM	1	74	21.09	21.12	21.12	21.18	21.14	21.5	3		
15	64QAM	36	0	20.28	20.23	20.38	20.37	20.32				
15	64QAM	36	20	20.35	20.37	20.26	20.26	20.30				
15	64QAM	36	39	20.17	20.25	20.23	20.24	20.30				
15	64QAM	75	0	20.35	20.08	20.42	20.27	20.31				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2504.5	2547	2593	2637.3	2683				
10	QPSK	1	0	23.35	23.28	23.48	23.28	23.43	24.5	0		
10	QPSK	1	25	23.30	23.25	23.37	23.25	23.20				
10	QPSK	1	49	23.22	23.29	23.26	23.13	23.09				
10	QPSK	25	0	22.30	22.19	22.42	22.38	22.39				
10	QPSK	25	12	22.24	22.25	22.35	22.25	22.25	23.5	1		
10	QPSK	25	25	22.26	22.19	22.32	22.20	22.22				
10	QPSK	50	0	22.26	22.32	22.43	22.30	22.35				
10	16QAM	1	0	22.50	22.17	22.43	22.29	22.42				
10	16QAM	1	25	22.28	22.36	22.23	22.34	22.27	23.5	1		
10	16QAM	1	49	22.38	22.39	22.43	22.40	22.29				
10	16QAM	25	0	21.39	21.21	21.42	21.43	21.41				
10	16QAM	25	12	21.33	21.24	21.26	21.37	21.35				
10	16QAM	25	25	21.26	21.32	21.30	21.18	21.22	22.5	2		
10	16QAM	50	0	21.31	21.16	21.41	21.07	21.22				
10	64QAM	1	0	21.17	20.96	21.18	21.07	21.28				
10	64QAM	1	25	21.03	21.05	20.99	21.05	21.06				
10	64QAM	1	49	21.08	21.07	21.09	21.10	21.19	21.5	3		
10	64QAM	25	0	20.31	20.23	20.44	20.37	20.43				
10	64QAM	25	12	20.37	20.30	20.27	20.29	20.31				
10	64QAM	25	25	20.22	20.17	20.21	20.28	20.19				
10	64QAM	50	0	20.27	20.09	20.43	20.20	20.38				
Channel				39575	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.37	23.23	23.47	23.30	23.43	23.5	0		
5	QPSK	1	12	23.17	23.24	23.35	23.30	23.22				
5	QPSK	1	24	23.19	23.23	23.21	23.15	23.18				
5	QPSK	12	0	22.36	22.27	22.41	22.33	22.34				
5	QPSK	12	7	22.26	22.26	22.39	22.17	22.31	23.5	1		
5	QPSK	12	13	22.26	22.21	22.21	22.29	22.22				
5	QPSK	12	20	22.24	22.26	22.44	22.29	22.34				
5	16QAM	1	0	22.43	22.25	22.47	22.26	22.47				
5	16QAM	1	12	22.35	22.38	22.27	22.37	22.36	23.5	1		
5	16QAM	1	24	22.33	22.30	22.42	22.33	22.28				
5	16QAM	12	0	21.41	21.28	21.46	21.44	21.45				
5	16QAM	12	7	21.36	21.34	21.30	21.39	21.33				
5	16QAM	12	13	21.28	21.27	21.33	21.29	21.20	22.5	2		
5	16QAM	25	0	21.40	21.26	21.38	21.37	21.48				
5	64QAM	1	0	21.07	20.93	21.20	21.00	21.27				
5	64QAM	1	12	21.10	21.03	21.04	20.93	21.07				
5	64QAM	1	24	21.15	21.12	21.12	21.09	21.19	21.5	3		
5	64QAM	12	0	20.30	20.20	20.39	20.41	20.35				
5	64QAM	12	7	20.32	20.39	20.27	20.36	20.32				
5	64QAM	12	13	20.24	20.19	20.20	20.20	20.19				
5	64QAM	25	0	20.28	20.15	20.40	20.32	20.26				

GSM900_Ant 0				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				512	861	861	251	Limit				512	861	861	251	Limit			
Frequency (MHz)				824.2	836.4	848.8		(dBm)				824.2	836.4	848.8		(dBm)			
GSM 1 Tx slot				32.70	32.74	32.72	33.50	23.70				23.74	23.74	23.72	24.50				
GPRS 1 Tx slot				32.66	32.68	32.69	33.50	23.66				23.68	23.68	23.69	24.50				
GPRS 2 Tx slots				30.19	30.14	30.22	30.50	24.19				24.14	24.14	24.22	24.50				
GPRS 3 Tx slots				28.35	28.33	28.36	28.70	24.09				24.07	24.07	24.10	24.44				
GPRS 4 Tx slots				26.53	26.56	26.52	27.50	23.53				23.56	23.56	23.52	24.50				
EDGE 1 Tx slot				26.61	26.66	26.61	27.50	17.61				17.58	17.61	17.61	18.50				
EDGE 2 Tx slots				23.65	23.67	23.64	24.50	17.65				17.67	17.67	17.64	18.50				
EDGE 3 Tx slots				21.73	21.78	21.71	22.70	17.47				17.52	17.45	17.45	18.44				
EDGE 4 Tx slots				20.94	20.97	20.86	21.50	17.94				17.97	17.97	17.86	18.50				

GSM900_Ant 0				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				512	861	861	251	Limit				512	861	861	251	Limit			
Frequency (MHz)				1850.2	1860	1860.8		(dBm)				1850.2	1860	1860.8		(dBm)			
GSM 1 Tx slot				29.38	29.48	29.46	30.50	20.38				20.48	20.48	20.46	21.50				
GPRS 1 Tx slot				29.35	29.44	29.42	30.50	20.35				20.44	20.44	20.42	21.50				
GPRS 2 Tx slots				26.93	27.01	26.99	27.50	20.93				21.01	20.99	21.00	21.50				
GPRS 3 Tx slots				25.14	25.26	25.22	25.70	20.88				21.03	20.96	21.04	21.44				
GPRS 4 Tx slots				23.84	23.93	23.89	24.50	20.84				20.93	20.89	21.00	21.50				
EDGE 1 Tx slot				25.75	25.68	25.66	26.50	16.75				16.68	16.66	16.66	17.50				
EDGE 2 Tx slots				22.31	22.26	22.28	23.50	16.31				16.26	16.26	16.26	17.50				
EDGE 3 Tx slots				20.02	19.91	19.97	21.70	15.76				15.65	15.65	15.71	17.44				
EDGE 4 Tx slots				19.11	19.04	19.08	20.50	16.11				16.04	16.06	16.06	17.50				

Band		WCDMA V_Ant 0				WCDMA V_Ant 2			
TX Channel		9262	9400	9538	Tune-up Limit (dBm)	9262	9400	9538	Tune-up Limit (dBm)
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.41	21.48	21.47	22.00	22.57	22.56	22.51	23.50
3GPP Rel 99	RMC 12.2Kbps	21.43	21.51	21.50	22.00	22.58	22.59	22.53	23.50
3GPP Rel 6	HSRPA Subtest-1	20.30	20.63	20.51	21.00	21.70	21.59	21.56	22.50
3GPP Rel 6	HSRPA Subtest-2	20.63	20.60	20.59	21.00	21.64	21.56	21.53	22.50
3GPP Rel 6	DC-HSDPA Subtest-3	19.89	20.04	19.86	20.50	21.18	21.10	21.06	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	20.01	20.21	19.85	20.50	21.13	21.04	21.02	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	20.80	20.61	20.71	21.00	21.41	21.42	21.40	22.50
3GPP Rel 6	DC-HSDPA Subtest-2	20.43	20.52	20.61	21.00	21.32	21.35	21.31	22.50
3GPP Rel 6	DC-HSDPA Subtest-3	20.05	20.02	19.90	20.50	20.78	20.87	20.82	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.99	20.09	20.03	20.50	20.73	20.86	20.81	22.00
3GPP Rel 6	HSUPA Subtest-1	20.48	20.57	20.63	21.00	21.64	21.58	21.59	22.50
3GPP Rel 6	HSUPA Subtest-2	18.42	18.73	18.58	19.00	19.64	19.55	19.56	20.50
3GPP Rel 6	HSUPA Subtest-3	19.72	19.62	19.58	20.00	20.64	20.63	20.62	21.50
3GPP Rel 6	HSUPA Subtest-4	18.44	18.50	18.48	19.00	19.17	19.08	19.12	20.50
3GPP Rel 6	HSUPA Subtest-5	20.70	20.65	20.62	21.00	21.60	21.60	21.50	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.80	18.29	17.89	18.50	18.57	18.72	18.64	20.00

Band		WCDMA V_Ant 0						WCDMA V_Ant 1					
TX Channel		4132	4182	4233	Tune-up Limit (dBm)			4132	4182	4233	Tune-up Limit (dBm)		
Rx Channel		4357	4407	4458				4357	4407	4458			
Frequency (MHz)		826.4	836.4	846.6				826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	24.17	24.23	24.11	25.00	23.85	23.94	23.88	25.00				
3GPP Rel 99	RMC 12.2Kbps	24.28	24.31	24.25	25.00	23.97	24.01	23.95	25.00				
3GPP Rel 6	HSRPA Subtest-1	23.22	23.36	23.39	24.00	22.81	22.93	23.08	24.00				
3GPP Rel 6	HSRPA Subtest-2	23.38	23.29	23.28	24.00	23.03	22.96	23.03	24.00				
3GPP Rel 6	HSRPA Subtest-3	22.71	22.68	22.74	23.50	22.43	22.45	22.35	23.50				
3GPP Rel 6	HSRPA Subtest-4	22.63	22.81	22.59	23.50	22.46	22.62	22.39	23.50				
3GPP Rel 6	DC-HSDPA Subtest-1	23.38	23.37	23.30	24.00	22.82	23.00	23.10	24.00				
3GPP Rel 6	DC-HSDPA Subtest-2	23.13	23.40	23.25	24.00	22.91	23.15	22.91	24.00				
3GPP Rel 6	DC-HSDPA Subtest-3	22.84	22.92	22.74	23.50	22.46	22.59	22.42	23.50				
3GPP Rel 6	DC-HSDPA Subtest-4	22.70	22.68	22.61	23.50	22.36	22.59	22.33	23.50				
3GPP Rel 6	HSRPA Subtest-1	23.26	23.39	23.24	24.00	22.91	23.06	22.97	24.00				
3GPP Rel 6	HSRPA Subtest-2	23.08	23.19	23.12	22.00	20.94	21.09	20.84	22.00				
3GPP Rel 6	HSRPA Subtest-3	22.42	22.37	22.17	21.00	21.09	22.07	21.83	23.00				
3GPP Rel 6	HSRPA Subtest-4	21.16	21.27	21.24	22.00	20.86	21.00	21.04	22.00				
3GPP Rel 6	HSRPA Subtest-5	22.42	23.38	23.32	24.00	23.08	22.96	22.95	24.00				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.90	20.70	21.50	20.40	20.61	20.52	21.50				

Band 2_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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	21.91	22.01	21.74	22.5	0	
20	QPSK	1	49	21.78	21.85	21.63			
20	QPSK	1	99	21.66	21.65	21.56			
20	QPSK	50	0	21.86	21.96	21.70	22.5	0	
20	QPSK	50	24	21.85	21.92	21.64			
20	QPSK	50	50	21.82	21.84	21.60			
20	QPSK	100	0	21.74	21.88	21.66	22.5	0	
20	16QAM	1	0	21.82	21.76	21.57			
20	16QAM	1	49	21.86	21.80	21.70			
20	16QAM	1	99	21.71	21.64	21.46	22	0.5	
20	16QAM	50	0	21.30	21.39	21.09			
20	16QAM	50	24	21.34	21.33	21.06			
20	16QAM	50	50	21.36	21.32	21.05	22	0.5	
20	16QAM	100	0	21.34	21.20	21.17			
20	84QAM	1	0	21.35	21.37	21.26			
20	84QAM	1	49	21.42	21.45	21.37	22	0.5	
20	84QAM	1	99	21.20	21.15	21.21			
20	84QAM	50	0	20.27	20.39	20.15			
20	84QAM	50	24	20.35	20.34	20.09	21	1.5	
20	84QAM	50	50	20.33	20.26	19.98			
20	84QAM	100	0	20.35	20.27	20.09			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	0	21.75	21.95	21.62	22.5	0	
15	QPSK	1	37	21.71	21.75	21.58			
15	QPSK	1	74	21.57	21.60	21.50			
15	QPSK	36	0	21.90	21.89	21.64	22.5	0	
15	QPSK	36	20	21.82	21.83	21.55			
15	QPSK	36	39	21.72	21.80	21.54			
15	QPSK	75	0	21.64	21.78	21.63	22.5	0	
15	16QAM	1	0	21.78	21.70	21.56			
15	16QAM	1	37	21.75	21.73	21.66			
15	16QAM	1	74	21.69	21.54	21.45	22	0.5	
15	16QAM	36	0	21.19	21.31	21.05			
15	16QAM	36	20	21.32	21.29	20.95			
15	16QAM	36	39	21.25	21.28	20.98	22	0.5	
15	16QAM	75	0	21.22	21.08	21.07			
15	84QAM	1	0	21.23	21.31	21.21			
15	84QAM	1	37	21.40	21.37	21.34	22	0.5	
15	84QAM	1	74	21.15	21.08	21.20			
15	84QAM	36	0	20.21	20.29	20.13			
15	84QAM	36	20	20.33	20.27	20.00	21	1.5	
15	84QAM	36	39	20.25	20.24	19.92			
15	84QAM	75	0	20.24	20.22	20.06			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	21.79	21.94	21.71	22.5	0	
10	QPSK	1	25	21.75	21.77	21.54			
10	QPSK	1	49	21.63	21.58	21.50			
10	QPSK	25	0	21.81	21.92	21.63	22.5	0	
10	QPSK	25	12	21.74	21.82	21.63			
10	QPSK	25	25	21.71	21.77	21.58			
10	QPSK	50	0	21.71	21.85	21.62	22.5	0	
10	16QAM	1	0	21.71	21.66	21.46			
10	16QAM	1	25	21.84	21.70	21.67			
10	16QAM	1	49	21.64	21.55	21.43	22	0	
10	16QAM	25	0	21.18	21.37	21.04			
10	16QAM	25	12	21.23	21.29	21.02			
10	16QAM	25	25	21.34	21.20	21.04	22	0.5	
10	16QAM	50	0	21.32	21.17	21.08			
10	84QAM	1	0	21.30	21.31	21.24			
10	84QAM	1	25	21.30	21.39	21.33	22	0.5	
10	84QAM	1	49	21.13	21.08	21.10			
10	84QAM	25	0	20.22	20.34	20.12			
10	84QAM	25	12	20.33	20.23	20.08	21	1.5	
10	84QAM	25	25	20.28	20.16	19.95			
10	84QAM	50	0	20.33	20.15	20.06			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	21.74	21.89	21.69	22.5	0	
5	QPSK	1	12	21.69	21.77	21.56			
5	QPSK	1	24	21.56	21.56	21.55			
5	QPSK	12	0	21.90	21.84	21.63	22.5	0	
5	QPSK	12	7	21.78	21.81	21.55			
5	QPSK	12	13	21.77	21.73	21.54			
5	QPSK	25	0	21.72	21.76	21.60	22.5	0	
5	16QAM	1	0	21.74	21.66	21.55			
5	16QAM	1	12	21.83	21.77	21.66			
5	16QAM	1	24	21.64	21.54	21.44	22	0.5	
5	16QAM	12	0	21.28	21.28	21.05			
5	16QAM	12	7	21.27	21.31	21.03			
5	16QAM	12	13	21.33	21.27	20.97	22	0.5	
5	16QAM	25	0	21.24	21.17	21.11			
5	84QAM	1	0	21.25	21.27	21.22			
5	84QAM	1	12	21.30	21.36	21.33	22	0.5	
5	84QAM	1	24	21.10	21.05	21.12			
5	84QAM	12	0	20.19	20.33	20.10			
5	84QAM	12	7	20.32	20.27	19.97	21	1.5	
5	84QAM	12	13	20.26	20.18	19.92			
5	84QAM	25	0	20.24	20.20	20.00			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1906.5			
3	QPSK	1	0	21.71	21.96	21.72	22.5	0	
3	QPSK	1	8	21.67	21.80	21.52			
3	QPSK	1	14	21.54	21.55	21.47			
3	QPSK	8	0	21.80	21.89	21.59	22.5	0	
3	QPSK	8	4	21.80	21.91	21.55			
3	QPSK	8	7	21.76	21.83	21.51			
3	QPSK	15	0	21.63	21.78	21.60	22.5	0	
3	16QAM	1	0	21.71	21.69	21.56			
3	16QAM	1	8	21.83	21.76	21.63			
3	16QAM	1	14	21.64	21.58	21.36	22	0.5	
3	16QAM	8	0	21.18	21.33	21.02			
3	16QAM	8	4	21.27	21.25	20.98			
3	16QAM	8	7	21.24	21.22	21.04	22	0.5	
3	16QAM	15	0	21.22	21.15	21.16			
3	84QAM	1	0	21.32	21.36	21.21			
3	84QAM	1	8	21.33	21.34	21.29	22	0.5	
3	84QAM	1	14	21.16	21.12	21.18			
3	84QAM	8	0	20.16	20.30	20.14			
3	84QAM	8	4	20.23	20.31	20.02	21	1.5	
3	84QAM	8	7	20.25	20.21	19.89			
3	84QAM	15	0	20.33	20.20	20.02			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	21.74	22.00	21.64	22.5	0	
1.4	QPSK	1	3	21.71	21.80	21.56			
1.4	QPSK	1	5	21.60	21.63	21.57			
1.4	QPSK	3	0	21.66	21.96	21.58	22.5	0	
1.4	QPSK	3	1	21.66	21.79	21.53			
1.4	QPSK	3	3	21.59	21.53	21.52			
1.4	QPSK	6	0	21.63	21.77	21.57	22.5	0	
1.4	16QAM	1	0	21.77	21.64	21.47			
1.4	16QAM	1	3	21.76	21.78	21.61			
1.4	16QAM	1	5	21.64	21.62	21.37	22.5	0	
1.4	16QAM	3	0	21.66	21.55	21.35			
1.4	16QAM	3	1	21.72	21.72	21.33			
1.4	16QAM	3	3	21.63	21.53	21.33	22	0.5	
1.4	16QAM	6	0	21.32	21.13	21.14			
1.4	84QAM	1	0	21.24	21.34	21.18			
1.4	84QAM	1	3	21.31	21.37	21.35	22	0.5	
1.4	84QAM	1	5	21.16	21.11	21.14			
1.4	84QAM	3	0	21.16	21.24	21.13			
1.4	84QAM	3	3	21.25	21.35	21.27	21	1.5	
1.4	84QAM	3	3	21.07	20.99	21.04			
1.4	84QAM	6	0	20.23	20.19	19.98			

Band 4_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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.07	18.19	18.15	19	0	
20	QPSK	1	49	18.00	18.12	18.08			
20	QPSK	1	99	17.82	17.91	17.81			
20	QPSK	50	0	18.05	18.12	18.04	19	0	
20	QPSK	50	24	18.01	18.11	18.03			
20	QPSK	50	50	17.98	18.10	18.00			
20	QPSK	100	0	17.99	18.06	18.01	19	0	
20	16QAM	1	0	18.12	18.15	18.04			
20	16QAM	1	49	18.04	18.16	18.12			
20	16QAM	1	99	18.08	18.11	18.05	19	0	
20	16QAM	50	0	18.04	18.10	18.00			
20	16QAM	50	24	18.05	18.08	18.05			
20	16QAM	50	50	17.99	18.10	18.04	19	0	
20	16QAM	100	0	17.93	18.05	17.94			
20	64QAM	1	0	18.01	18.10	17.98			
20	64QAM	1	49	18.06	18.10	18.01	19	0	
20	64QAM	1	99	18.04	18.07	17.95			
20	64QAM	50	0	18.01	18.06	17.97			
20	64QAM	50	24	18.03	18.11	18.06	19	0	
20	64QAM	50	50	17.96	18.04	18.00			
20	64QAM	100	0	17.98	18.05	17.96			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	17.99	18.10	18.03	19	0	
15	QPSK	1	37	17.89	18.08	18.04			
15	QPSK	1	74	17.72	17.84	17.73			
15	QPSK	36	0	17.94	18.00	17.94	19	0	
15	QPSK	36	20	17.95	17.99	17.99			
15	QPSK	36	39	17.89	18.00	17.96			
15	QPSK	75	0	17.89	18.03	17.92	19	0	
15	16QAM	1	0	18.05	18.06	17.93			
15	16QAM	1	37	18.00	18.10	18.00			
15	16QAM	1	74	17.98	18.00	18.02	19	0	
15	16QAM	36	0	17.92	18.01	17.88			
15	16QAM	36	20	18.01	18.02	17.94			
15	16QAM	36	39	17.93	18.06	17.92	19	0	
15	16QAM	75	0	17.85	17.99	17.89			
15	64QAM	1	0	17.98	18.05	17.93			
15	64QAM	1	37	17.94	17.98	17.89	19	0	
15	64QAM	1	74	17.99	17.96	17.87			
15	64QAM	36	0	17.90	17.96	17.87			
15	64QAM	36	20	17.93	18.01	18.00	19	0	
15	64QAM	36	39	17.90	17.92	17.93			
15	64QAM	75	0	17.89	17.93	17.90			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	17.98	18.15	18.05	19	0	
10	QPSK	1	25	17.90	18.06	18.00			
10	QPSK	1	49	17.70	17.79	17.70			
10	QPSK	25	0	17.99	18.01	17.93	19	0	
10	QPSK	25	12	17.96	18.08	17.97			
10	QPSK	25	25	17.91	18.00	17.92			
10	QPSK	50	0	17.96	17.97	17.96	19	0	
10	16QAM	1	0	18.02	18.11	17.92			
10	16QAM	1	25	17.93	18.12	18.00			
10	16QAM	1	49	18.05	18.05	17.97	19	0	
10	16QAM	25	0	17.96	18.05	17.92			
10	16QAM	25	12	17.98	17.96	17.97			
10	16QAM	25	25	17.96	18.06	17.95	19	0	
10	16QAM	50	0	17.82	17.94	17.90			
10	64QAM	1	0	17.97	18.02	17.93			
10	64QAM	1	25	18.02	18.01	17.97	19	0	
10	64QAM	1	49	17.93	17.95	17.83			
10	64QAM	25	0	17.96	18.03	17.94			
10	64QAM	25	12	17.92	18.06	18.03	19	0	
10	64QAM	25	25	17.91	17.93	17.96			
10	64QAM	50	0	17.90	18.00	17.84			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	17.96	18.09	18.09	19	0	
5	QPSK	1	12	17.95	18.08	18.00			
5	QPSK	1	24	17.70	17.80	17.75			
5	QPSK	12	0	17.97	18.03	17.97	19	0	
5	QPSK	12	7	17.97	18.04	17.97			
5	QPSK	12	13	17.90	18.04	17.92			
5	QPSK	25	0	17.93	17.98	17.96	19	0	
5	16QAM	1	0	18.08	18.10	17.95			
5	16QAM	1	12	17.99	18.09	18.06			
5	16QAM	1	24	18.02	18.05	17.95	19	0	
5	16QAM	12	0	17.99	18.03	17.91			
5	16QAM	12	7	17.99	18.00	17.95			
5	16QAM	12	13	17.92	18.02	17.93	19	0	
5	16QAM	25	0	17.86	17.96	17.84			
5	64QAM	1	0	17.93	18.07	17.94			
5	64QAM	1	12	17.97	17.99	17.91	19	0	
5	64QAM	1	24	17.93	17.97	17.90			
5	64QAM	12	0	17.98	17.96	17.86			
5	64QAM	12	7	17.99	18.00	17.98	19	0	
5	64QAM	12	13	17.84	17.95	17.92			
5	64QAM	25	0	17.95	17.97	17.84			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	17.99	18.12	18.05	19	0	
3	QPSK	1	8	17.88	18.00	17.97			
3	QPSK	1	14	17.73	17.88	17.76			
3	QPSK	8	0	17.97	18.00	17.99	19	0	
3	QPSK	8	4	17.98	18.08	17.97			
3	QPSK	8	7	17.89	18.01	17.94			
3	QPSK	15	0	17.95	17.96	17.92	19	0	
3	16QAM	1	0	18.06	18.03	17.92			
3	16QAM	1	8	17.96	18.05	18.02			
3	16QAM	1	14	18.00	18.01	18.02	19	0	
3	16QAM	8	0	17.94	18.07	17.92			
3	16QAM	8	4	17.97	18.02	17.93			
3	16QAM	8	7	17.89	18.02	17.97	19	0	
3	16QAM	15	0	17.90	18.01	17.89			
3	64QAM	1	0	17.91	18.06	17.95			
3	64QAM	1	8	17.99	18.07	17.93	19	0	
3	64QAM	1	14	17.92	18.04	17.92			
3	64QAM	8	0	17.93	17.98	17.87			
3	64QAM	8	4	17.99	18.01	17.96	19	0	
3	64QAM	8	7	17.87	18.00	17.88			
3	64QAM	15	0	17.95	17.97	17.89			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	18.02	18.09	18.09	19	0	
1.4	QPSK	1	3	17.95	18.01	18.00			
1.4	QPSK	1	5	17.79	17.87	17.74			
1.4	QPSK	3	0	17.95	18.06	17.93	19	0	
1.4	QPSK	3	1	17.90	18.02	17.98			
1.4	QPSK	3	3	17.92	18.01	17.96			
1.4	QPSK	6	0	18.01	18.01	17.98	19	0	
1.4	16QAM	1	0	18.09	18.08	17.92			
1.4	16QAM	1	3	17.92	18.11	18.09			
1.4	16QAM	1	5	18.03	18.03	17.97	19	0	
1.4	16QAM	3	0	18.00	18.00	17.89			
1.4	16QAM	3	1	17.98	17.97	17.95			
1.4	16QAM	3	3	17.99	18.01	17.99	19	0	
1.4	16QAM	6	0	17.87	17.93	17.90			
1.4	64QAM	1	0	17.98	18.01	17.88			
1.4	64QAM	1	3	18.00	18.01	17.89	19	0	
1.4	64QAM	1	5	17.92	18.01	17.90			
1.4	64QAM	3	0	17.95	17.98	17.94			
1.4	64QAM	3	1	17.99	17.99	17.90	19	0	
1.4	64QAM	3	3	17.93	17.99	17.90			
1.4	64QAM	6	0	17.94	17.93	17.89			

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	22.1	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.14	21.34	21.19	22.1	0	
20	QPSK	1	49	21.04	21.20	20.97			
20	QPSK	1	99	20.87	20.99	20.85			
20	QPSK	50	0	21.13	21.24	21.11			
20	QPSK	50	24	21.03	21.23	21.09			
20	QPSK	50	50	21.04	21.19	21.05	22.1	0	
20	QPSK	100	0	21.10	21.20	21.12			
20	16QAM	1	0	21.11	21.28	21.16			
20	16QAM	1	49	21.11	21.33	21.19			
20	16QAM	1	99	21.17	21.31	21.15			
20	16QAM	50	0	21.12	21.20	21.07	22.1	0	
20	16QAM	50	24	21.11	21.24	21.07			
20	16QAM	50	50	21.09	21.20	21.03			
20	16QAM	100	0	21.02	21.16	20.99			
20	64QAM	1	0	21.18	21.26	21.14			
20	64QAM	1	49	21.17	21.31	21.17	22.1	0	
20	64QAM	1	99	20.99	21.18	20.98			
20	64QAM	50	0	21.09	21.22	21.07			
20	64QAM	50	24	21.03	21.25	21.09			
20	64QAM	50	50	21.08	21.19	21.09			
20	64QAM	100	0	21.05	21.17	20.99	22.1	0	
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit [dBm]	MPR [dB]	
15	QPSK	1	0	21.10	21.24	21.14	22.1	0	
15	QPSK	1	37	20.96	21.17	20.86			
15	QPSK	1	74	20.83	20.93	20.73			
15	QPSK	36	0	21.07	21.21	20.99			
15	QPSK	36	20	20.97	21.16	21.05			
15	QPSK	36	39	20.98	21.13	20.97	22.1	0	
15	QPSK	75	0	20.99	21.12	21.04			
15	16QAM	1	0	21.03	21.23	21.04			
15	16QAM	1	37	21.00	21.21	21.12			
15	16QAM	1	74	21.06	21.23	21.07			
15	16QAM	36	0	21.04	21.09	21.00	22.1	0	
15	16QAM	36	20	21.06	21.21	20.96			
15	16QAM	36	39	20.97	21.13	21.00			
15	16QAM	75	0	20.90	21.13	20.96			
15	64QAM	1	0	21.15	21.22	21.10			
15	64QAM	1	37	21.06	21.27	21.14	22.1	0	
15	64QAM	1	74	20.93	21.10	20.91			
15	64QAM	36	0	21.06	21.14	21.03			
15	64QAM	36	20	21.00	21.14	21.03			
15	64QAM	36	39	20.96	21.16	20.98			
15	64QAM	75	0	20.96	21.08	20.88	22.1	0	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750	Tune-up limit [dBm]	MPR [dB]	
10	QPSK	1	0	21.07	21.25	21.09	22.1	0	
10	QPSK	1	25	21.00	21.15	20.86			
10	QPSK	1	49	20.75	20.92	20.74			
10	QPSK	25	0	21.07	21.18	21.02			
10	QPSK	25	12	20.91	21.15	20.99			
10	QPSK	25	25	21.01	21.14	21.04	22.1	0	
10	QPSK	50	0	21.02	21.14	21.04			
10	16QAM	1	0	21.05	21.17	21.10			
10	16QAM	1	25	20.99	21.30	21.07			
10	16QAM	1	49	21.13	21.24	21.06			
10	16QAM	25	0	21.03	21.09	21.00	22.1	0	
10	16QAM	25	12	21.00	21.21	20.98			
10	16QAM	25	25	21.00	21.16	20.96			
10	16QAM	50	0	20.96	21.13	20.90			
10	64QAM	1	0	21.10	21.19	21.06			
10	64QAM	1	25	21.14	21.28	21.13	22.1	0	
10	64QAM	1	49	20.92	21.15	20.95			
10	64QAM	25	0	21.05	21.14	21.02			
10	64QAM	25	12	20.93	21.13	21.04			
10	64QAM	25	25	20.96	21.15	21.03			
10	64QAM	50	0	21.02	21.13	20.90	22.1	0	
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit [dBm]	MPR [dB]	
5	QPSK	1	0	21.11	21.23	21.11	22.1	0	
5	QPSK	1	12	20.98	21.08	20.91			
5	QPSK	1	24	20.80	20.96	20.77			
5	QPSK	12	0	21.01	21.21	21.03			
5	QPSK	12	7	20.99	21.11	21.01			
5	QPSK	12	13	20.94	21.14	21.01	22.1	0	
5	QPSK	25	0	21.00	21.09	21.01			
5	16QAM	1	0	20.99	21.22	21.04			
5	16QAM	1	12	21.03	21.23	21.13			
5	16QAM	1	24	21.08	21.25	21.05			
5	16QAM	12	0	21.00	21.08	20.99	22.1	0	
5	16QAM	12	7	21.00	21.18	20.97			
5	16QAM	12	13	20.97	21.15	20.92			
5	16QAM	25	0	20.90	21.13	20.96			
5	64QAM	1	0	21.06	21.22	21.08			
5	64QAM	1	12	21.12	21.27	21.08	22.1	0	
5	64QAM	1	24	20.88	21.11	20.89			
5	64QAM	12	0	20.99	21.13	20.98			
5	64QAM	12	7	20.94	21.14	21.04			
5	64QAM	12	13	21.01	21.14	20.97			
5	64QAM	25	0	20.99	21.12	20.87	22.1	0	
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit [dBm]	MPR [dB]	
3	QPSK	1	0	21.08	21.25	21.08	22.1	0	
3	QPSK	1	8	20.98	21.16	20.93			
3	QPSK	1	14	20.83	20.95	20.82			
3	QPSK	8	0	21.07	21.15	21.00			
3	QPSK	8	4	20.92	21.20	20.97			
3	QPSK	8	7	20.96	21.16	20.99	22.1	0	
3	QPSK	15	0	21.00	21.08	21.02			
3	16QAM	1	0	21.06	21.21	21.13			
3	16QAM	1	8	21.07	21.25	21.14			
3	16QAM	1	14	21.14	21.25	21.05			
3	16QAM	8	0	21.00	21.11	20.96	22.1	0	
3	16QAM	8	4	21.00	21.21	20.99			
3	16QAM	8	7	21.02	21.15	20.97			
3	16QAM	15	0	20.96	21.08	20.87			
3	64QAM	1	0	21.07	21.10	21.10			
3	64QAM	1	8	21.05	21.25	21.08	22.1	0	
3	64QAM	1	14	20.91	21.10	20.91			
3	64QAM	8	0	21.05	21.18	20.95			
3	64QAM	8	4	20.98	21.21	21.04			
3	64QAM	8	7	21.02	21.14	21.03			
3	64QAM	15	0	20.97	21.08	20.90	22.1	0	
Channel				19957	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up limit [dBm]	MPR [dB]	
1.4	QPSK	1	0	21.08	21.28	21.16	22.1	0	
1.4	QPSK	1	3	20.98	21.08	20.92			
1.4	QPSK	1	5	20.81	20.94	20.79			
1.4	QPSK	3	0	21.04	21.17	21.04			
1.4	QPSK	3	1	20.99	21.12	21.04			
1.4	QPSK	3	3	20.99	21.07	21.02	22.1	0	
1.4	QPSK	6	0	21.05	21.08	21.02			
1.4	16QAM	1	0	21.08	21.24	21.05			
1.4	16QAM	1	3	21.05	21.22	21.14			
1.4	16QAM	1	5	21.08	21.21	21.05			
1.4	16QAM	3	0	21.05	21.14	20.99	22.1	0	
1.4	16QAM	3	1	21.00	21.12	20.96			
1.4	16QAM	3	3	21.00	21.10	20.98			
1.4	16QAM	6	0	20.98	21.09	20.95	22.1	0	
1.4	64QAM	1	0	21.09	21.17	21.11			
1.4	64QAM	1	3	21.07	21.26	21.08	22.1	0	
1.4	64QAM	1	5	21.15	21.25	20.90			
1.4	64QAM	3	0	21.01	21.17	21.02			
1.4	64QAM	3	1	21.00	21.16	21.01			
1.4	64QAM	3	3	21.01	21.16	21.03			
1.4	64QAM	6	0	20.99	21.08	20.94	22.1	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	25.5	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.39	24.44	24.41			
10	QPSK	1	25	24.37	24.42	24.34			
10	QPSK	1	49	24.24	24.36	24.32	24.5	1	
10	QPSK	25	0	23.30	23.39	23.35			
10	QPSK	25	12	23.27	23.32	23.21			
10	QPSK	25	25	23.18	23.30	23.20			
10	QPSK	50	0	23.22	23.32	23.22	24.5	1	
10	16QAM	1	0	23.43	23.52	23.48			
10	16QAM	1	25	23.31	23.38	23.34			
10	16QAM	1	49	23.33	23.38	23.37			
10	16QAM	25	0	22.33	22.36	22.31	23.5	2	
10	16QAM	25	12	22.19	22.25	22.20			
10	16QAM	25	25	22.24	22.29	22.19			
10	16QAM	50	0	22.23	22.35	22.28			
10	64QAM	1	0	22.34	22.47	22.41	23.5	2	
10	64QAM	1	25	22.17	22.32	22.30			
10	64QAM	1	49	22.20	22.38	22.35			
10	64QAM	25	0	21.28	21.37	21.34			
10	64QAM	25	12	21.15	21.24	21.22	22.5	3	
10	64QAM	25	25	21.17	21.26	21.29			
10	64QAM	50	0	21.35	21.30	21.28			
Channel				20425	20525	20625	25.5	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.26	24.32	24.29			
5	QPSK	1	12	24.23	24.37	24.20			
5	QPSK	1	24	24.17	24.25	24.20	24.5	1	
5	QPSK	12	0	23.16	23.32	23.25			
5	QPSK	12	7	23.17	23.23	23.13			
5	QPSK	12	13	23.03	23.22	23.13			
5	QPSK	25	0	23.17	23.28	23.09	24.5	1	
5	16QAM	1	0	23.34	23.38	23.41			
5	16QAM	1	12	23.28	23.29	23.22			
5	16QAM	1	24	23.20	23.27	23.29			
5	16QAM	12	0	22.22	22.25	22.26	23.5	2	
5	16QAM	12	7	22.10	22.22	22.14			
5	16QAM	12	13	22.20	22.14	22.11			
5	16QAM	25	0	22.16	22.26	22.16			
5	64QAM	1	0	22.30	22.36	22.37	23.5	2	
5	64QAM	1	12	22.12	22.22	22.19			
5	64QAM	1	24	22.11	22.26	22.29			
5	64QAM	12	0	21.22	21.32	21.25			
5	64QAM	12	7	21.04	21.19	21.17	22.5	3	
5	64QAM	12	13	21.02	21.22	21.25			
5	64QAM	25	0	21.28	21.17	21.18			
Channel				20415	20525	20635	25.5	0	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.32	24.30	24.32			
3	QPSK	1	8	24.30	24.37	24.21			
3	QPSK	1	14	24.12	24.29	24.22	24.5	1	
3	QPSK	8	0	23.22	23.32	23.25			
3	QPSK	8	4	23.15	23.18	23.14			
3	QPSK	8	7	23.14	23.23	23.05			
3	QPSK	15	0	23.18	23.24	23.11	24.5	1	
3	16QAM	1	0	23.35	23.49	23.38			
3	16QAM	1	8	23.24	23.29	23.20			
3	16QAM	1	14	23.24	23.25	23.33			
3	16QAM	8	0	22.21	22.21	22.20	23.5	2	
3	16QAM	8	4	22.10	22.21	22.07			
3	16QAM	8	7	22.13	22.15	22.13			
3	16QAM	15	0	22.11	22.30	22.15			
3	64QAM	1	0	22.29	22.32	22.30	23.5	2	
3	64QAM	1	8	22.12	22.24	22.20			
3	64QAM	1	14	22.12	22.31	22.24			
3	64QAM	8	0	21.17	21.33	21.25			
3	64QAM	8	4	21.02	21.10	21.13	22.5	3	
3	64QAM	8	7	21.05	21.13	21.16			
3	64QAM	15	0	21.30	21.23	21.15			
Channel				20407	20525	20543	25.5	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.25	24.31	24.38			
1.4	QPSK	1	3	24.32	24.27	24.25			
1.4	QPSK	1	5	24.11	24.30	24.22	24.5	1	
1.4	QPSK	3	0	24.21	24.24	24.22			
1.4	QPSK	3	1	24.12	24.13	24.12			
1.4	QPSK	3	3	24.08	24.18	24.04			
1.4	QPSK	6	0	23.10	23.17	23.18	24.5	1	
1.4	16QAM	1	0	23.33	23.44	23.43			
1.4	16QAM	1	3	23.27	23.34	23.30			
1.4	16QAM	1	5	23.27	23.31	23.22			
1.4	16QAM	3	0	23.16	23.25	23.15	23.5	2	
1.4	16QAM	3	1	23.01	23.17	23.09			
1.4	16QAM	3	3	23.06	23.17	23.08			
1.4	16QAM	6	0	22.08	22.24	22.18			
1.4	64QAM	1	0	22.27	22.33	22.34	23.5	2	
1.4	64QAM	1	3	22.11	22.28	22.21			
1.4	64QAM	1	5	22.12	22.32	22.21			
1.4	64QAM	3	0	22.11	22.23	22.25			
1.4	64QAM	3	1	21.98	22.07	22.04	22.5	3	
1.4	64QAM	3	3	22.03	22.18	22.15			
1.4	64QAM	6	0	21.31	21.16	21.21			

Band 5_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				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.95	24.11	24.01	25.4	0	
10	QPSK	1	25	23.93	24.02	23.88			
10	QPSK	1	49	23.95	24.07	23.95			
10	QPSK	25	0	22.95	22.96	22.92			
10	QPSK	25	12	22.79	22.92	22.79	24.4	1	
10	QPSK	25	25	22.94	22.98	22.91			
10	QPSK	50	0	22.91	22.94	22.82			
10	16QAM	1	0	23.14	23.24	23.21			
10	16QAM	1	25	23.17	23.10	23.16	24.4	1	
10	16QAM	1	49	23.14	23.10	23.06			
10	16QAM	25	0	21.84	21.90	21.96			
10	16QAM	25	12	21.75	21.70	21.73			
10	16QAM	25	25	21.69	21.67	21.75	23.4	2	
10	16QAM	50	0	21.95	21.93	21.87			
10	64QAM	1	0	22.10	22.14	22.02			
10	64QAM	1	25	21.93	22.00	21.93			
10	64QAM	1	49	22.01	21.93	21.91	23.4	2	
10	64QAM	25	0	21.01	20.92	20.86			
10	64QAM	25	12	20.74	20.73	20.76			
10	64QAM	25	25	20.75	20.82	20.77			
10	64QAM	50	0	20.95	20.91	20.99	22.4	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.87	24.02	23.95			
5	QPSK	1	12	23.83	23.94	23.75			
5	QPSK	1	24	23.85	24.01	23.82			
5	QPSK	12	0	22.92	22.87	22.76			
5	QPSK	12	7	22.75	22.80	22.67	24.4	1	
5	QPSK	12	13	22.85	22.89	22.86			
5	QPSK	25	0	22.85	22.89	22.78			
5	16QAM	1	0	23.02	23.12	23.11			
5	16QAM	1	12	23.12	23.02	23.13	24.4	1	
5	16QAM	1	24	22.99	22.97	22.99			
5	16QAM	12	0	21.76	21.85	21.91			
5	16QAM	12	7	21.68	21.59	21.68			
5	16QAM	12	13	21.55	21.53	21.66	23.4	2	
5	16QAM	25	0	21.81	21.90	21.76			
5	16QAM	1	0	22.03	22.10	21.95			
5	16QAM	1	12	21.99	21.94	21.89			
5	16QAM	1	24	21.98	21.81	21.85	23.4	2	
5	64QAM	12	0	20.87	20.85	20.77			
5	64QAM	12	7	20.70	20.63	20.71			
5	64QAM	12	13	20.64	20.75	20.66			
5	64QAM	25	0	20.89	20.77	20.92	22.4	3	
Channel				826.5	836.5	846.5			
Frequency (MHz)				826.5	836.5	846.5			
3	QPSK	1	0	23.90	24.01	23.94			
3	QPSK	1	8	23.88	23.94	23.79			
3	QPSK	1	14	23.88	24.03	23.91			
3	QPSK	8	0	22.87	22.86	22.87			
3	QPSK	8	4	22.89	22.78	22.68	24.4	1	
3	QPSK	8	7	22.88	22.86	22.81			
3	QPSK	15	0	22.79	22.81	22.74			
3	16QAM	1	0	23.09	23.20	23.15			
3	16QAM	1	8	23.04	23.05	23.02	24.4	1	
3	16QAM	1	14	23.03	23.03	22.95			
3	16QAM	8	0	21.75	21.77	21.81			
3	16QAM	8	4	21.60	21.61	21.66			
3	16QAM	8	7	21.60	21.59	21.72	23.4	2	
3	16QAM	15	0	21.86	21.87	21.79			
3	64QAM	1	0	21.99	22.10	21.95			
3	64QAM	1	8	21.87	21.91	21.88			
3	64QAM	1	14	21.97	21.79	21.76	23.4	2	
3	64QAM	8	0	20.93	20.82	20.80			
3	64QAM	8	4	20.59	20.60	20.68			
3	64QAM	8	7	20.59	20.59	20.65			
3	64QAM	15	0	20.88	20.82	20.90	22.4	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.82	23.98	23.96			
1.4	QPSK	1	3	23.83	23.93	23.80			
1.4	QPSK	1	5	23.89	24.02	23.88			
1.4	QPSK	3	0	23.87	23.85	23.86			
1.4	QPSK	3	1	23.69	23.79	23.71	24.4	1	
1.4	QPSK	3	3	23.85	23.87	23.82			
1.4	QPSK	6	0	22.78	22.88	22.70			
1.4	16QAM	1	0	23.01	23.14	23.07			
1.4	16QAM	1	3	23.11	22.97	23.06	24.4	1	
1.4	16QAM	1	5	23.04	23.02	22.92			
1.4	16QAM	3	0	22.72	22.82	22.62			
1.4	16QAM	3	3	22.69	22.58	22.60			
1.4	16QAM	3	3	22.58	22.56	22.70	23.4	2	
1.4	16QAM	6	0	21.81	21.90	21.84			
1.4	64QAM	1	0	21.96	22.00	21.91			
1.4	64QAM	1	3	21.90	21.87	21.79			
1.4	64QAM	1	5	21.96	21.78	21.84	23.4	2	
1.4	64QAM	3	1	21.93	21.84	21.85			
1.4	64QAM	3	1	21.68	21.89	21.82			
1.4	64QAM	3	3	21.61	21.79	21.91			
1.4	64QAM	6	0	20.91	20.87	20.91	22.4	3	

Band 7_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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.87	22.07	21.97			
20	QPSK	1	49	21.80	21.77	21.71			
20	QPSK	1	99	21.88	21.66	21.64	22.5	0	
20	QPSK	50	0	21.85	21.94	21.67			
20	QPSK	50	24	21.69	21.70	21.59			
20	QPSK	50	50	21.84	21.82	21.65			
20	QPSK	100	0	21.79	21.83	21.58	22.5	0	
20	16QAM	1	0	21.87	21.94	21.66			
20	16QAM	1	49	21.87	21.93	21.91			
20	16QAM	1	99	21.84	21.94	21.74			
20	16QAM	50	0	21.70	21.79	21.74	22.5	0	
20	16QAM	50	24	21.77	21.81	21.67			
20	16QAM	50	50	21.81	21.76	21.62			
20	16QAM	100	0	21.82	21.86	21.58			
20	64QAM	1	0	22.00	21.76	21.79	22.5	0	
20	64QAM	1	49	21.94	21.88	21.89			
20	64QAM	1	99	21.98	21.85	21.89			
20	64QAM	50	0	21.73	21.86	21.70			
20	64QAM	50	24	21.81	21.75	21.70	22.5	0	
20	64QAM	50	50	21.82	21.86	21.62			
20	64QAM	100	0	21.77	21.80	21.56			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.80	21.97	21.91			
15	QPSK	1	37	21.70	21.69	21.67			
15	QPSK	1	74	21.62	21.54	21.62	22.5	0	
15	QPSK	36	0	21.77	21.93	21.59			
15	QPSK	36	20	21.62	21.82	21.57			
15	QPSK	36	36	21.81	21.81	21.62			
15	QPSK	75	0	21.78	21.82	21.48	22.5	0	
15	16QAM	1	0	21.86	21.86	21.59			
15	16QAM	1	37	21.80	21.92	21.90			
15	16QAM	1	74	21.82	21.91	21.64			
15	16QAM	36	0	21.63	21.74	21.72	22.5	0	
15	16QAM	36	20	21.69	21.76	21.64			
15	16QAM	36	39	21.69	21.70	21.58			
15	16QAM	75	0	21.71	21.54	21.51			
15	64QAM	1	0	21.91	21.73	21.78	22.5	0	
15	64QAM	1	37	21.86	21.78	21.83			
15	64QAM	1	74	21.93	21.77	21.82			
15	64QAM	36	0	21.69	21.84	21.67			
15	64QAM	36	20	21.71	21.67	21.61	22.5	0	
15	64QAM	36	39	21.71	21.74	21.51			
15	64QAM	75	0	21.73	21.69	21.48			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.78	22.03	21.93			
10	QPSK	1	25	21.69	21.73	21.68	22.5	0	
10	QPSK	1	49	21.82	21.62	21.59			
10	QPSK	25	0	21.84	21.87	21.56			
10	QPSK	25	12	21.63	21.68	21.47	22.5	0	
10	QPSK	25	25	21.74	21.75	21.57			
10	QPSK	50	0	21.77	21.76	21.46			
10	16QAM	1	0	21.86	21.90	21.54			
10	16QAM	1	25	21.81	21.89	21.72	22.5	0	
10	16QAM	1	49	21.72	21.89	21.69			
10	16QAM	25	0	21.68	21.69	21.82			
10	16QAM	25	12	21.66	21.70	21.63			
10	16QAM	25	25	21.70	21.71	21.61	22.5	0	
10	16QAM	50	0	21.78	21.55	21.52			
10	64QAM	1	0	21.69	21.70	21.72			
10	64QAM	1	25	21.88	21.82	21.87			
10	64QAM	1	49	21.94	21.82	21.88	22.5	0	
10	64QAM	25	0	21.63	21.83	21.66			
10	64QAM	25	12	21.79	21.74	21.59			
10	64QAM	25	25	21.81	21.84	21.51			
10	64QAM	50	0	21.66	21.68	21.46	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.79	22.04	21.95	22.5	0	
5	QPSK	1	12	21.70	21.70	21.62			
5	QPSK	1	24	21.63	21.65	21.59			
5	QPSK	12	0	21.81	21.85	21.61			
5	QPSK	12	7	21.83	21.81	21.52	22.5	0	
5	QPSK	12	13	21.77	21.81	21.64			
5	QPSK	25	0	21.77	21.77	21.49			
5	16QAM	1	0	21.81	21.82	21.59			
5	16QAM	1	12	21.79	21.82	21.84	22.5	0	
5	16QAM	1	24	21.73	21.91	21.69			
5	16QAM	12	0	21.58	21.75	21.63			
5	16QAM	12	7	21.69	21.73	21.56			
5	16QAM	12	13	21.72	21.69	21.56	22.5	0	
5	16QAM	25	0	21.79	21.65	21.55			
5	64QAM	1	0	21.89	21.67	21.70			
5	64QAM	1	12	21.92	21.86	21.85			
5	64QAM	1	24	21.95	21.78	21.83	22.5	0	
5	64QAM	12	0	21.68	21.76	21.68			
5	64QAM	12	7	21.73	21.88	21.62			
5	64QAM	12	13	21.80	21.77	21.50			
5	64QAM	25	0	21.71	21.79	21.55			

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	17.51	17.55	17.47	18.2	0	
20	QPSK	1	49	17.43	17.50	17.41			
20	QPSK	1	99	17.36	17.43	17.37			
20	QPSK	50	0	17.56	17.56	17.50	18.2	0	
20	QPSK	50	24	17.47	17.56	17.49			
20	QPSK	50	50	17.43	17.52	17.45			
20	QPSK	100	0	17.42	17.51	17.43	18.2	0	
20	16QAM	1	0	17.50	17.53	17.50			
20	16QAM	1	49	17.50	17.58	17.54			
20	16QAM	1	99	17.49	17.52	17.49			
20	16QAM	50	0	17.52	17.56	17.48	18.2	0	
20	16QAM	50	24	17.46	17.55	17.46			
20	16QAM	50	50	17.47	17.58	17.53			
20	16QAM	100	0	17.41	17.50	17.47	18.2	0	
20	64QAM	1	0	17.42	17.49	17.39			
20	64QAM	1	49	17.50	17.56	17.44			
20	64QAM	1	99	17.47	17.54	17.42			
20	64QAM	50	0	17.51	17.56	17.51	18.2	0	
20	64QAM	50	24	17.49	17.54	17.48			
20	64QAM	50	50	17.43	17.54	17.45			
20	64QAM	100	0	17.45	17.51	17.47			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.44	17.48	17.43	18.2	0	
15	QPSK	1	37	17.39	17.47	17.32			
15	QPSK	1	74	17.32	17.33	17.27			
15	QPSK	36	0	17.46	17.50	17.40	18.2	0	
15	QPSK	36	20	17.36	17.53	17.43			
15	QPSK	36	39	17.40	17.48	17.34			
15	QPSK	75	0	17.33	17.43	17.39	18.2	0	
15	16QAM	1	0	17.39	17.41	17.47			
15	16QAM	1	37	17.42	17.50	17.43			
15	16QAM	1	74	17.46	17.47	17.40			
15	16QAM	36	0	17.45	17.45	17.41	18.2	0	
15	16QAM	36	20	17.35	17.52	17.40			
15	16QAM	36	39	17.36	17.48	17.44			
15	16QAM	75	0	17.32	17.42	17.44	18.2	0	
15	QPSK	1	0	17.52	17.46	17.34			
15	64QAM	1	0	17.40	17.46	17.47			
15	64QAM	1	74	17.43	17.48	17.30			
15	64QAM	36	0	17.48	17.50	17.41	18.2	0	
15	64QAM	36	20	17.43	17.47	17.37			
15	64QAM	36	39	17.31	17.50	17.39			
15	64QAM	75	0	17.39	17.45	17.40			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2565			
10	QPSK	1	0	17.43	17.49	17.42	18.2	0	
10	QPSK	1	25	17.38	17.47	17.37			
10	QPSK	1	49	17.29	17.40	17.31			
10	QPSK	25	0	17.49	17.54	17.47	18.2	0	
10	QPSK	25	12	17.41	17.46	17.38			
10	QPSK	25	25	17.39	17.44	17.36			
10	QPSK	50	0	17.32	17.41	17.32	18.2	0	
10	16QAM	1	0	17.39	17.46	17.45			
10	16QAM	1	25	17.41	17.49	17.47			
10	16QAM	1	49	17.44	17.47	17.46	18.2	0	
10	16QAM	25	0	17.40	17.49	17.39			
10	16QAM	25	12	17.42	17.51	17.35			
10	16QAM	25	25	17.41	17.51	17.41	18.2	0	
10	16QAM	50	0	17.34	17.46	17.36			
10	64QAM	1	0	17.30	17.39	17.34			
10	64QAM	1	25	17.38	17.53	17.35	18.2	0	
10	64QAM	1	49	17.41	17.47	17.30			
10	64QAM	25	0	17.39	17.44	17.42			
10	64QAM	25	12	17.37	17.49	17.37	18.2	0	
10	64QAM	25	25	17.36	17.47	17.38			
10	64QAM	50	0	17.38	17.46	17.35			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.39	17.47	17.42	18.2	0	
5	QPSK	1	12	17.40	17.39	17.35			
5	QPSK	1	24	17.30	17.37	17.26			
5	QPSK	12	0	17.44	17.46	17.40	18.2	0	
5	QPSK	12	7	17.36	17.45	17.44			
5	QPSK	12	13	17.34	17.46	17.40			
5	QPSK	25	0	17.37	17.45	17.34	18.2	0	
5	16QAM	1	0	17.44	17.42	17.46			
5	16QAM	1	12	17.47	17.55	17.48			
5	16QAM	1	24	17.38	17.48	17.41	18.2	0	
5	16QAM	12	0	17.48	17.47	17.39			
5	16QAM	12	7	17.39	17.50	17.39			
5	16QAM	12	13	17.36	17.43	17.48	18.2	0	
5	16QAM	25	0	17.32	17.44	17.37			
5	64QAM	1	0	17.34	17.42	17.36			
5	64QAM	1	12	17.38	17.52	17.40	18.2	0	
5	64QAM	1	24	17.42	17.49	17.34			
5	64QAM	12	0	17.43	17.53	17.41			
5	64QAM	12	7	17.46	17.45	17.41	18.2	0	
5	64QAM	12	13	17.36	17.50	17.38			
5	64QAM	25	0	17.41	17.48	17.43			

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	19.09	19.45	19.27			
20	QPSK	1	49	19.24	19.36	19.25	20.6	0	
20	QPSK	1	99	19.12	19.25	19.15			
20	QPSK	50	0	19.32	19.44	19.31			
20	QPSK	50	24	19.26	19.40	19.26	20.6	0	
20	QPSK	50	50	19.26	19.43	19.25			
20	QPSK	100	0	19.27	19.36	19.28			
20	16QAM	1	0	19.21	19.40	19.24			
20	16QAM	1	49	19.25	19.37	19.28	20.6	0	
20	16QAM	1	99	19.31	19.41	19.28			
20	16QAM	50	0	19.25	19.39	19.27			
20	16QAM	50	24	19.23	19.43	19.24	20.6	0	
20	16QAM	50	50	19.32	19.42	19.30			
20	16QAM	100	0	19.27	19.37	19.30			
20	64QAM	1	0	19.21	19.41	19.22			
20	64QAM	1	49	19.30	19.40	19.24	20.6	0	
20	64QAM	1	99	19.23	19.42	19.21			
20	64QAM	50	0	19.30	19.38	19.26			
20	64QAM	50	24	19.29	19.43	19.22	20.6	0	
20	64QAM	50	50	19.32	19.41	19.33			
20	64QAM	100	0	19.26	19.38	19.24			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.22	19.34	19.24			
15	QPSK	1	37	19.15	19.28	19.19	20.6	0	
15	QPSK	1	74	19.09	19.20	19.08			
15	QPSK	36	0	19.26	19.39	19.24			
15	QPSK	36	20	19.20	19.30	19.21	20.6	0	
15	QPSK	36	39	19.18	19.31	19.17			
15	QPSK	75	0	19.18	19.27	19.22			
15	16QAM	1	0	19.11	19.34	19.14			
15	16QAM	1	37	19.20	19.25	19.19	20.6	0	
15	16QAM	1	74	19.25	19.29	19.20			
15	16QAM	36	0	19.22	19.33	19.15			
15	16QAM	36	20	19.13	19.40	19.17	20.6	0	
15	16QAM	36	39	19.24	19.39	19.18			
15	16QAM	75	0	19.17	19.28	19.19			
15	64QAM	1	0	19.18	19.29	19.14			
15	64QAM	1	37	19.25	19.31	19.21	20.6	0	
15	64QAM	1	74	19.20	19.35	19.17			
15	64QAM	36	0	19.24	19.29	19.20			
15	64QAM	36	20	19.22	19.39	19.11	20.6	0	
15	64QAM	36	39	19.27	19.34	19.24			
15	64QAM	75	0	19.22	19.32	19.12			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.19	19.37	19.18			
10	QPSK	1	25	19.12	19.29	19.15	20.6	0	
10	QPSK	1	49	19.06	19.19	19.03			
10	QPSK	25	0	19.24	19.33	19.24			
10	QPSK	25	12	19.21	19.36	19.20	20.6	0	
10	QPSK	25	25	19.17	19.33	19.14			
10	QPSK	50	0	19.21	19.35	19.21			
10	16QAM	1	0	19.15	19.36	19.12			
10	16QAM	1	25	19.20	19.28	19.23	20.6	0	
10	16QAM	1	49	19.26	19.34	19.16			
10	16QAM	25	0	19.20	19.36	19.16			
10	16QAM	25	12	19.15	19.31	19.15	20.6	0	
10	16QAM	25	25	19.26	19.34	19.24			
10	16QAM	50	0	19.22	19.30	19.23			
10	64QAM	1	0	19.16	19.37	19.17			
10	64QAM	1	25	19.26	19.30	19.17	20.6	0	
10	64QAM	1	49	19.11	19.37	19.18			
10	64QAM	25	0	19.19	19.28	19.21			
10	64QAM	25	12	19.22	19.33	19.14	20.6	0	
10	64QAM	25	25	19.25	19.32	19.29			
10	64QAM	50	0	19.16	19.32	19.15			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.19	19.37	19.15			
5	QPSK	1	12	19.16	19.26	19.18	20.6	0	
5	QPSK	1	24	19.01	19.13	19.04			
5	QPSK	12	0	19.23	19.34	19.20			
5	QPSK	12	7	19.15	19.32	19.17	20.6	0	
5	QPSK	12	13	19.15	19.35	19.20			
5	QPSK	25	0	19.20	19.30	19.16			
5	16QAM	1	0	19.12	19.32	19.13			
5	16QAM	1	12	19.15	19.32	19.17	20.6	0	
5	16QAM	1	24	19.28	19.29	19.20			
5	16QAM	12	0	19.21	19.30	19.22			
5	16QAM	12	7	19.11	19.35	19.12	20.6	0	
5	16QAM	12	13	19.26	19.34	19.22			
5	16QAM	25	0	19.18	19.27	19.22			
5	64QAM	1	0	19.12	19.35	19.15			
5	64QAM	1	12	19.27	19.34	19.13	20.6	0	
5	64QAM	1	24	19.11	19.32	19.17			
5	64QAM	12	0	19.21	19.31	19.23			
5	64QAM	12	7	19.21	19.34	19.11	20.6	0	
5	64QAM	12	13	19.21	19.35	19.30			
5	64QAM	25	0	19.23	19.33	19.16			

Band 7_Ant 3									
BW [MHz]	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	21.00	21.25	21.00			
20	QPSK	1	49	20.97	21.23	21.05	22.1	0	
20	QPSK	1	99	20.96	21.15	20.98			
20	QPSK	50	0	21.03	21.23	21.01			
20	QPSK	50	24	21.00	21.21	20.99	22.1	0	
20	QPSK	50	50	20.95	21.20	20.99			
20	QPSK	100	0	20.99	21.21	20.97			
20	16QAM	1	0	21.00	21.17	21.05			
20	16QAM	1	49	20.98	21.23	21.06	22.1	0	
20	16QAM	1	99	20.99	21.22	20.97			
20	16QAM	50	0	20.97	21.19	20.92			
20	16QAM	50	24	20.94	21.11	20.87	22.1	0	
20	16QAM	50	50	20.96	21.19	21.03			
20	16QAM	100	0	20.90	21.12	20.92			
20	64QAM	1	0	20.79	21.02	20.80			
20	64QAM	1	49	20.92	21.22	20.88	22.1	0	
20	64QAM	1	99	20.88	21.14	20.89			
20	64QAM	50	0	20.51	20.65	20.51			
20	64QAM	50	24	20.34	20.57	20.33	21.1	1	
20	64QAM	50	50	20.42	20.64	20.33			
20	64QAM	100	0	20.48	20.62	20.47			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.89	21.19	21.01			
15	QPSK	1	37	20.88	21.14	20.96	22.1	0	
15	QPSK	1	74	20.87	21.04	20.93			
15	QPSK	36	0	20.94	21.16	20.89			
15	QPSK	36	20	20.92	21.10	20.96	22.1	0	
15	QPSK	36	39	20.90	21.10	20.91			
15	QPSK	75	0	20.89	21.11	20.92			
15	16QAM	1	0	20.91	21.06	20.98			
15	16QAM	1	37	20.86	21.20	21.00	22.1	0	
15	16QAM	1	74	20.82	21.16	20.86			
15	16QAM	36	0	20.88	21.15	20.87			
15	16QAM	36	20	20.91	21.04	20.84	22.1	0	
15	16QAM	36	39	20.92	21.15	20.95			
15	16QAM	75	0	20.78	21.09	20.87			
15	64QAM	1	0	20.74	20.94	20.70			
15	64QAM	1	37	20.85	21.10	20.78	22.1	0	
15	64QAM	1	74	20.79	21.05	20.77			
15	64QAM	36	0	20.46	20.55	20.45			
15	64QAM	36	20	20.26	20.46	20.30	21.1	1	
15	64QAM	36	39	20.35	20.58	20.38			
15	64QAM	75	0	20.42	20.59	20.35			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.90	21.19	20.99			
10	QPSK	1	25	20.94	21.19	21.02	22.1	0	
10	QPSK	1	49	20.86	21.09	20.88			
10	QPSK	25	0	20.91	21.19	20.97			
10	QPSK	25	12	20.90	21.17	20.90	22.1	0	
10	QPSK	25	25	20.87	21.17	20.93			
10	QPSK	50	0	20.93	21.18	20.94			
10	16QAM	1	0	20.95	21.05	20.97			
10	16QAM	1	25	20.91	21.15	21.02	22.1	0	
10	16QAM	1	49	20.88	21.13	20.88			
10	16QAM	25	0	20.92	21.11	20.87			
10	16QAM	25	12	20.86	21.02	20.75	22.1	0	
10	16QAM	25	25	20.94	21.11	20.92			
10	16QAM	50	0	20.79	21.06	20.85			
10	16QAM	50	0	20.68	20.96	20.77	22.1	0	
10	64QAM	1	25	20.82	21.19	20.72			
10	64QAM	1	49	20.81	21.04	20.79			
10	64QAM	25	0	20.41	20.54	20.38	21.1	1	
10	64QAM	25	12	20.27	20.46	20.21			
10	64QAM	25	25	20.35	20.60	20.42			
10	64QAM	50	0	20.42	20.58	20.38			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.95	21.18	20.98			
5	QPSK	1	12	20.91	21.17	20.99	22.1	0	
5	QPSK	1	24	20.88	21.04	20.86			
5	QPSK	12	0	20.91	21.18	20.93			
5	QPSK	12	7	20.94	21.14	20.95	22.1	0	
5	QPSK	12	13	20.96	21.16	20.97			
5	QPSK	25	0	20.94	21.09	20.89			
5	16QAM	1	0	20.92	21.13	20.98			
5	16QAM	1	12	20.89	21.11	20.99	22.1	0	
5	16QAM	1	24	20.89	21.18	20.92			
5	16QAM	12	0	20.90	21.16	20.80			
5	16QAM	12	7	20.87	21.01	20.76	22.1	0	
5	16QAM	12	13	20.90	21.15	20.92			
5	16QAM	25	0	20.86	21.04	20.88			
5	64QAM	1	0	20.67	20.97	20.77			
5	64QAM	1	12	20.80	21.13	20.78	22.1	0	
5	64QAM	1	24	20.84	21.08	20.78			
5	64QAM	12	0	20.39	20.62	20.48			
5	64QAM	12	7	20.26	20.47	20.30	21.1	1	
5	64QAM	12	13	20.37	20.53	20.40			
5	64QAM	25	0	20.43	20.53	20.36			

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	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.36	24.65	24.95			
10	QPSK	1	25	24.46	24.60	24.49	24.5	1	
10	QPSK	1	49	24.52	24.57	24.47			
10	QPSK	25	0	23.55	23.70	23.62			
10	QPSK	25	12	23.41	23.56	23.43	24.5	1	
10	QPSK	25	25	23.51	23.63	23.55			
10	QPSK	50	0	23.56	23.66	23.56			
10	16QAM	1	0	23.58	23.69	23.64	24.5	1	
10	16QAM	1	25	23.49	23.47	23.46			
10	16QAM	1	49	23.50	23.54	23.57			
10	16QAM	25	0	22.49	22.63	22.57	23.5	2	
10	16QAM	25	12	22.50	22.48	22.50			
10	16QAM	25	25	22.47	22.47	22.50			
10	16QAM	50	0	22.55	22.63	22.51	23.5	2	
10	64QAM	1	0	22.63	22.67	22.73			
10	64QAM	1	25	22.55	22.57	22.55			
10	64QAM	1	49	22.47	22.49	22.40	22.5	3	
10	64QAM	25	0	21.51	21.64	21.56			
10	64QAM	25	12	21.39	21.45	21.50			
10	64QAM	25	25	21.46	21.49	21.49	22.5	3	
10	64QAM	50	0	21.53	21.57	21.49			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	25.5	0	
5	QPSK	1	0	24.49	24.48	24.43			
5	QPSK	1	12	24.34	24.52	24.41	24.5	1	
5	QPSK	1	24	24.47	24.46	24.44			
5	QPSK	12	0	23.50	23.65	23.55	24.5	1	
5	QPSK	12	7	23.37	23.46	23.29			
5	QPSK	12	13	23.44	23.60	23.41			
5	QPSK	25	0	23.53	23.59	23.50	24.5	1	
5	16QAM	1	0	23.49	23.54	23.55			
5	16QAM	1	12	23.44	23.38	23.43	23.5	2	
5	16QAM	1	24	23.36	23.48	23.43			
5	16QAM	12	0	22.39	22.35	22.50			
5	16QAM	12	7	22.38	22.35	22.35	23.5	2	
5	16QAM	12	13	22.39	22.39	22.45			
5	16QAM	25	0	22.50	22.54	22.44	23.5	2	
5	64QAM	1	0	22.51	22.59	22.59			
5	64QAM	1	12	22.41	22.43	22.40	22.5	3	
5	64QAM	1	24	22.37	22.36	22.27			
5	64QAM	12	0	21.43	21.60	21.43			
5	64QAM	12	7	21.30	21.40	21.36	22.5	3	
5	64QAM	12	13	21.33	21.39	21.39			
5	64QAM	25	0	21.48	21.45	21.34			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5	25.5	0	
3	QPSK	1	0	24.51	24.57	24.54			
3	QPSK	1	8	24.42	24.55	24.40	24.5	1	
3	QPSK	1	14	24.36	24.46	24.39			
3	QPSK	8	0	23.48	23.57	23.49	24.5	1	
3	QPSK	8	4	23.36	23.46	23.36			
3	QPSK	8	7	23.41	23.57	23.49			
3	QPSK	15	0	23.51	23.62	23.51	24.5	1	
3	16QAM	1	0	23.53	23.57	23.60			
3	16QAM	1	8	23.41	23.36	23.40			
3	16QAM	1	14	23.47	23.51	23.42	23.5	2	
3	16QAM	8	0	22.39	22.53	22.45			
3	16QAM	8	4	22.38	22.44	22.41			
3	16QAM	8	7	22.34	22.43	22.41	23.5	2	
3	16QAM	15	0	22.44	22.54	22.39			
3	64QAM	1	0	22.58	22.59	22.70			
3	64QAM	1	8	22.46	22.51	22.51	22.5	3	
3	64QAM	1	14	22.33	22.37	22.32			
3	64QAM	8	0	21.44	21.66	21.45			
3	64QAM	8	4	21.34	21.36	21.43	22.5	3	
3	64QAM	8	7	21.36	21.43	21.36			
3	64QAM	15	0	21.41	21.52	21.42			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3	25.5	0	
1.4	QPSK	1	0	24.44	24.53	24.46			
1.4	QPSK	1	3	24.42	24.50	24.40	24.5	1	
1.4	QPSK	1	5	24.49	24.53	24.39			
1.4	QPSK	3	0	24.41	24.57	24.43	24.5	1	
1.4	QPSK	3	1	24.27	24.38	24.25			
1.4	QPSK	3	3	24.39	24.55	24.37			
1.4	QPSK	6	0	23.47	23.55	23.49	24.5	1	
1.4	16QAM	1	0	23.45	23.64	23.56			
1.4	16QAM	1	3	23.36	23.33	23.41	24.5	1	
1.4	16QAM	1	5	23.40	23.50	23.45			
1.4	16QAM	3	0	23.38	23.55	23.38			
1.4	16QAM	3	1	23.33	23.34	23.37	23.5	2	
1.4	16QAM	3	3	23.28	23.36	23.33			
1.4	16QAM	6	0	22.45	22.48	22.42			
1.4	64QAM	1	0	22.49	22.52	22.66	23.5	2	
1.4	64QAM	1	3	22.47	22.48	22.46			
1.4	64QAM	1	5	22.41	22.44	22.36	22.5	3	
1.4	64QAM	3	0	22.43	22.33	22.45			
1.4	64QAM	3	1	22.31	22.34	22.34			
1.4	64QAM	3	3	22.32	22.37	22.39	22.5	3	
1.4	64QAM	6	0	21.46	21.47	21.40			

Band 12_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				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.63	23.54	24.8	0	
10	QPSK	1	25	23.50	23.58	23.52			
10	QPSK	1	49	23.37	23.47	23.38			
10	QPSK	25	0	22.52	22.66	22.58	23.8	1	
10	QPSK	25	12	22.52	22.66	22.58			
10	QPSK	50	0	22.66	22.75	22.67			
10	16QAM	1	0	22.53	22.72	22.68	23.8	1	
10	16QAM	1	25	22.50	22.54	22.52			
10	16QAM	1	49	22.59	22.54	22.52			
10	16QAM	25	0	21.59	21.82	21.73	22.8	2	
10	16QAM	25	12	21.74	21.77	21.76			
10	16QAM	25	25	21.61	21.61	21.66			
10	16QAM	50	0	21.65	21.74	21.76	22.8	2	
10	64QAM	1	0	21.48	21.61	21.54			
10	64QAM	1	25	21.35	21.44	21.36			
10	64QAM	1	49	21.53	21.47	21.53	21.8	3	
10	64QAM	25	0	20.66	20.79	20.74			
10	64QAM	25	12	20.72	20.64	20.63			
10	64QAM	25	25	20.71	20.65	20.67	21.8	3	
10	64QAM	50	0	20.60	20.72	20.57			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.41	23.52	23.39	24.8	0	
5	QPSK	1	12	23.47	23.46	23.44			
5	QPSK	1	24	23.24	23.37	23.31			
5	QPSK	12	0	22.53	22.69	22.59	23.8	1	
5	QPSK	12	7	22.37	22.46	22.47			
5	QPSK	12	13	22.41	22.55	22.51			
5	QPSK	25	0	22.58	22.69	22.53	23.8	1	
5	16QAM	1	0	22.48	22.61	22.60			
5	16QAM	1	12	22.46	22.46	22.37			
5	16QAM	1	24	22.46	22.47	22.37	22.8	2	
5	16QAM	12	0	21.53	21.70	21.61			
5	16QAM	12	7	21.62	21.71	21.64			
5	16QAM	12	13	21.46	21.51	21.52	22.8	2	
5	16QAM	25	0	21.51	21.69	21.66			
5	16QAM	25	0	21.51	21.69	21.66			
5	16QAM	1	0	21.35	21.47	21.42	22.8	2	
5	64QAM	1	0	21.29	21.36	21.33			
5	64QAM	1	24	21.50	21.34	21.39			
5	64QAM	12	0	20.58	20.66	20.70	21.8	3	
5	64QAM	12	7	20.62	20.57	20.49			
5	64QAM	12	13	20.53	20.62	20.58			
5	64QAM	25	0	20.51	20.68	20.48			
Channel				23025	23095	23168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				703.5	709.5	715.5			
3	QPSK	1	0	23.41	23.54	23.42	24.8	0	
3	QPSK	1	8	23.41	23.48	23.42			
3	QPSK	1	14	23.29	23.32	23.28			
3	QPSK	8	0	22.58	22.63	22.62	23.8	1	
3	QPSK	8	4	22.46	22.45	22.50			
3	QPSK	15	0	22.61	22.69	22.62			
3	16QAM	1	0	22.42	22.60	22.56	23.8	1	
3	16QAM	1	8	22.38	22.51	22.38			
3	16QAM	1	14	22.51	22.42	22.41			
3	16QAM	8	0	21.51	21.68	21.66	22.8	2	
3	16QAM	8	4	21.64	21.65	21.72			
3	16QAM	8	7	21.50	21.54	21.51			
3	16QAM	15	0	21.58	21.61	21.71	22.8	2	
3	64QAM	1	0	21.37	21.46	21.43			
3	64QAM	1	8	21.21	21.34	21.23			
3	64QAM	1	14	21.39	21.36	21.31	21.8	3	
3	64QAM	8	0	20.60	20.75	20.62			
3	64QAM	8	4	20.59	20.57	20.57			
3	64QAM	8	7	20.66	20.57	20.60	21.8	3	
3	64QAM	15	0	20.51	20.65	20.44			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.35	23.55	23.45	24.8	0	
1.4	QPSK	1	3	23.45	23.50	23.43			
1.4	QPSK	1	5	23.29	23.36	23.22			
1.4	QPSK	3	0	23.52	23.58	23.51	23.8	1	
1.4	QPSK	3	1	23.39	23.36	23.39			
1.4	QPSK	3	3	23.36	23.36	23.45			
1.4	QPSK	6	0	22.57	22.67	22.59	23.8	1	
1.4	16QAM	1	0	22.41	22.64	22.61			
1.4	16QAM	1	3	22.38	22.39	22.43			
1.4	16QAM	1	5	22.47	22.44	22.46	23.8	1	
1.4	16QAM	3	0	22.49	22.72	22.58			
1.4	16QAM	3	1	22.55	22.59	22.66			
1.4	16QAM	3	3	22.47	22.44	22.54	22.8	2	
1.4	16QAM	6	0	21.52	21.67	21.63			
1.4	64QAM	1	0	21.35	21.53	21.41			
1.4	64QAM	1	3	21.31	21.38	21.30	22.8	2	
1.4	64QAM	1	5	21.42	21.35	21.46			
1.4	64QAM	3	0	21.45	21.59	21.62			
1.4	64QAM	3	1	21.58	21.47	21.43	21.8	3	
1.4	64QAM	3	3	21.51	21.51	21.50			
1.4	64QAM	6	0	20.53	20.62	20.56			

Band 13_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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		24.46		25.5	0	
10	QPSK	1	25		24.37				
10	QPSK	1	49		24.30				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.30				
10	QPSK	25	25		23.33				
10	QPSK	50	0		23.39		24.5	1	
10	16QAM	1	0		23.55				
10	16QAM	1	25		23.42				
10	16QAM	1	49		23.45		23.5	2	
10	16QAM	25	0		22.42				
10	16QAM	25	12		22.32				
10	16QAM	25	25		22.33		23.5	2	
10	16QAM	50	0		22.40				
10	64QAM	1	0		22.48				
10	64QAM	1	25		22.35		23.5	2	
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.43				
10	64QAM	25	12		21.35		22.5	3	
10	64QAM	25	25		21.37				
10	64QAM	50	0		21.38				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.32	24.41	24.26	25.5	0	
5	QPSK	1	12	24.20	24.31	24.20			
5	QPSK	1	24	24.15	24.33	24.25			
5	QPSK	12	0	23.12	23.34	23.19	24.5	1	
5	QPSK	12	7	23.20	23.21	23.02			
5	QPSK	12	13	23.13	23.27	23.10			
5	QPSK	25	0	23.20	23.29	23.18	24.5	1	
5	16QAM	1	0	23.40	23.50	23.47			
5	16QAM	1	12	23.18	23.27	23.29			
5	16QAM	1	24	23.28	23.35	23.29	23.5	2	
5	16QAM	12	0	22.20	22.29	22.22			
5	16QAM	12	7	22.22	22.19	22.18			
5	16QAM	12	13	22.11	22.26	22.12	23.5	2	
5	16QAM	25	0	22.24	22.29	22.20			
5	64QAM	1	0	22.27	22.41	22.32			
5	64QAM	1	12	22.12	22.21	22.19	23.5	2	
5	64QAM	1	24	22.26	22.30	22.18			
5	64QAM	12	0	21.24	21.29	21.25			
5	64QAM	12	7	21.23	21.24	21.19	22.5	3	
5	64QAM	12	13	21.10	21.28	21.16			
5	64QAM	25	0	21.19	21.23	21.17			

Band 13_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				23230					
Frequency (MHz)				762					
10	QPSK	1	0		23.88		24.9	0	
10	QPSK	1	25		23.80				
10	QPSK	1	49		23.83				
10	QPSK	25	0		22.79		23.9	1	
10	QPSK	25	12		22.75				
10	QPSK	25	25		22.72				
10	QPSK	50	0		22.74		23.9	1	
10	16QAM	1	0		22.81				
10	16QAM	1	25		22.72				
10	16QAM	1	49		22.73		22.9	2	
10	16QAM	25	0		21.52				
10	16QAM	25	12		21.50				
10	16QAM	25	25		21.48		22.9	2	
10	16QAM	50	0		21.74				
10	64QAM	1	0		21.77				
10	64QAM	1	25		21.73		22.9	2	
10	64QAM	1	49		21.67				
10	64QAM	25	0		20.46				
10	64QAM	25	12		20.40		21.9	3	
10	64QAM	25	25		20.33				
10	64QAM	50	0		20.57				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.67	23.66	23.72	24.9	0	
5	QPSK	1	12	23.57	23.61	23.50			
5	QPSK	1	24	23.61	23.70	23.57			
5	QPSK	12	0	22.63	22.62	22.53	23.9	1	
5	QPSK	12	7	22.46	22.60	22.50			
5	QPSK	12	13	22.43	22.53	22.54			
5	QPSK	25	0	22.42	22.61	22.45	23.9	1	
5	16QAM	1	0	22.47	22.69	22.51			
5	16QAM	1	12	22.55	22.56	22.51			
5	16QAM	1	24	22.58	22.55	22.46	22.9	2	
5	16QAM	12	0	21.51	21.40	21.15			
5	16QAM	12	7	21.18	21.30	21.21			
5	16QAM	12	13	21.26	21.29	21.23	21.9	3	
5	16QAM	25	0	21.42	21.60	21.55			
5	64QAM	1	0	21.47	21.58	21.51			
5	64QAM	1	12	21.41	21.63	21.40	22.9	2	
5	64QAM	1	24	21.36	21.50	21.43			
5	64QAM	12	0	20.19	20.35	20.25			
5	64QAM	12	7	20.34	20.44	20.27	20.47		
5	64QAM	12	13	20.35	20.35	20.22			
5	64QAM	25	0	20.47	20.60	20.47			

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	24.57	24.62	24.60	25.5	0	
10	QPSK	1	25	24.45	24.52	24.44			
10	QPSK	1	49	24.50	24.61	24.56			
10	QPSK	25	0	23.57	23.62	23.60	24.5	1	
10	QPSK	25	12	23.48	23.52	23.37			
10	QPSK	25	25	23.56	23.60	23.51			
10	QPSK	50	0	23.45	23.58	23.51	24.5	1	
10	16QAM	1	0	23.64	23.77	23.75			
10	16QAM	1	25	23.58	23.51	23.50			
10	16QAM	1	49	23.60	23.64	23.57	23.5	2	
10	16QAM	25	0	22.51	22.65	22.59			
10	16QAM	25	12	22.51	22.45	22.41			
10	16QAM	25	25	22.39	22.41	22.43	23.5	2	
10	16QAM	50	0	22.50	22.57	22.49			
10	64QAM	1	0	22.61	22.70	22.67			
10	64QAM	1	25	22.51	22.54	22.52	23.5	2	
10	64QAM	1	49	22.49	22.55	22.55			
10	64QAM	25	0	21.67	21.58	21.60			
10	64QAM	25	12	21.44	21.44	21.37	22.5	3	
10	64QAM	25	25	21.43	21.38	21.44			
10	64QAM	50	0	21.62	21.56	21.53			
Channel				23755	23790	23825	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.54	24.57	24.49	25.5	0	
5	QPSK	1	12	24.37	24.39	24.35			
5	QPSK	1	24	24.40	24.56	24.41			
5	QPSK	12	0	23.51	23.49	23.50	24.5	1	
5	QPSK	12	7	23.43	23.42	23.30			
5	QPSK	12	13	23.46	23.46	23.39			
5	QPSK	25	0	23.34	23.44	23.37	24.5	1	
5	16QAM	1	0	23.56	23.70	23.64			
5	16QAM	1	12	23.54	23.47	23.48			
5	16QAM	1	24	23.56	23.61	23.51	23.5	2	
5	16QAM	12	0	22.41	22.56	22.50			
5	16QAM	12	7	22.47	22.41	22.28			
5	16QAM	12	13	22.31	22.32	22.29	23.5	2	
5	16QAM	25	0	22.37	22.42	22.37			
5	64QAM	1	0	22.50	22.66	22.62			
5	64QAM	1	12	22.38	22.42	22.38	23.5	2	
5	64QAM	1	24	22.42	22.48	22.49			
5	64QAM	12	0	21.52	21.47	21.48			
5	64QAM	12	7	21.37	21.34	21.33	22.5	3	
5	64QAM	12	13	21.34	21.30	21.34			
5	64QAM	25	0	21.57	21.48	21.41			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.46	23.59	23.53	24.8	0	
10	QPSK	1	25	23.42	23.48	23.38			
10	QPSK	1	49	23.40	23.52	23.38			
10	QPSK	25	0	22.67	22.78	22.62	23.8	1	
10	QPSK	25	12	22.51	22.56	22.43			
10	QPSK	25	25	22.62	22.73	22.58			
10	QPSK	50	0	22.73	22.76	22.70	23.8	1	
10	16QAM	1	0	22.68	22.74	22.57			
10	16QAM	1	25	22.58	22.63	22.57			
10	16QAM	1	49	22.57	22.60	22.62	22.8	2	
10	16QAM	25	0	21.55	21.64	21.49			
10	16QAM	25	12	21.54	21.51	21.54			
10	16QAM	25	25	21.54	21.44	21.48	21.8	3	
10	16QAM	50	0	21.58	21.73	21.69			
10	64QAM	1	0	21.64	21.69	21.62			
10	64QAM	1	25	21.46	21.48	21.46	22.8	2	
10	64QAM	1	49	21.62	21.56	21.54			
10	64QAM	25	0	20.57	20.65	20.48			
10	64QAM	25	12	20.46	20.42	20.46	21.8	3	
10	64QAM	25	25	20.47	20.45	20.38			
10	64QAM	50	0	20.65	20.68	20.54			
Channel				706.5	710	713.5	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.37	23.51	23.46	24.8	0	
5	QPSK	1	12	23.38	23.36	23.33			
5	QPSK	1	24	23.36	23.42	23.30			
5	QPSK	12	0	22.64	22.68	22.48	23.8	1	
5	QPSK	12	7	22.43	22.51	22.30			
5	QPSK	12	13	22.50	22.66	22.51			
5	QPSK	25	0	22.60	22.68	22.67	23.8	1	
5	16QAM	1	0	22.54	22.70	22.42			
5	16QAM	1	12	22.53	22.54	22.47			
5	16QAM	1	24	22.53	22.54	22.48	22.8	2	
5	16QAM	12	0	21.49	21.57	21.35			
5	16QAM	12	7	21.46	21.47	21.39			
5	16QAM	12	13	21.43	21.35	21.44	21.8	3	
5	16QAM	25	0	21.43	21.64	21.65			
5	64QAM	1	0	21.58	21.58	21.52			
5	64QAM	1	12	21.32	21.44	21.38	22.8	2	
5	64QAM	1	24	21.57	21.48	21.49			
5	64QAM	12	0	20.48	20.50	20.41			
5	64QAM	12	7	20.31	20.33	20.32	21.8	3	
5	64QAM	12	13	20.40	20.38	20.26			
5	64QAM	25	0	20.58	20.65	20.42			

Band 26_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	24.30	24.45	24.35	25.5	0	
15	QPSK	1	37	24.31	24.36	24.24			
15	QPSK	1	74	24.34	24.34	24.31			
15	QPSK	36	0	23.30	23.41	23.34	24.5	1	
15	QPSK	36	20	23.28	23.37	23.30			
15	QPSK	36	39	23.29	23.33	23.25			
15	QPSK	75	0	23.44	23.46	23.43	24.5	1	
15	16QAM	1	0	23.48	23.56	23.51			
15	16QAM	1	37	23.37	23.46	23.38			
15	16QAM	1	74	23.44	23.36	23.41	23.5	2	
15	16QAM	36	0	22.44	22.47	22.45			
15	16QAM	36	20	22.37	22.31	22.39			
15	16QAM	36	39	22.34	22.33	22.29	23.5	2	
15	16QAM	75	0	22.38	22.43	22.31			
15	64QAM	1	0	22.41	22.45	22.37			
15	64QAM	1	37	22.32	22.23	22.32	23.5	2	
15	64QAM	1	74	22.31	22.30	22.24			
15	64QAM	36	0	21.39	21.44	21.43			
15	64QAM	36	20	21.28	21.24	21.24	22.5	3	
15	64QAM	36	39	21.23	21.23	21.19			
15	64QAM	75	0	21.30	21.43	21.35			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.26	24.36	24.29	25.5	0	
10	QPSK	1	25	24.26	24.24	24.09			
10	QPSK	1	49	24.23	24.34	24.20			
10	QPSK	25	0	23.25	23.27	23.29	24.5	1	
10	QPSK	25	12	23.17	23.25	23.22			
10	QPSK	25	25	23.15	23.19	23.21			
10	QPSK	50	0	23.38	23.36	23.29	24.5	1	
10	16QAM	1	0	23.40	23.43	23.41			
10	16QAM	1	25	23.33	23.36	23.30			
10	16QAM	1	49	23.32	23.32	23.27	23.5	2	
10	16QAM	25	0	22.36	22.34	22.42			
10	16QAM	25	12	22.29	22.25	22.36			
10	16QAM	25	25	22.21	22.24	22.17	23.5	2	
10	16QAM	50	0	22.32	22.34	22.20			
10	64QAM	1	0	22.28	22.31	22.27			
10	64QAM	1	25	22.17	22.16	22.28	23.5	2	
10	64QAM	1	49	22.17	22.21	22.10			
10	64QAM	25	0	21.30	21.41	21.29			
10	64QAM	25	12	21.22	21.17	21.12	22.5	3	
10	64QAM	25	25	21.18	21.16	21.04			
10	64QAM	50	0	21.16	21.35	21.29			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.42	24.30	25.5	0	
5	QPSK	1	12	24.27	24.28	24.14			
5	QPSK	1	24	24.29	24.37	24.17			
5	QPSK	12	0	23.22	23.28	23.27	24.5	1	
5	QPSK	12	7	23.17	23.26	23.22			
5	QPSK	12	13	23.23	23.22	23.17			
5	QPSK	25	0	23.37	23.43	23.32	24.5	1	
5	16QAM	1	0	23.44	23.49	23.36			
5	16QAM	1	12	23.34	23.41	23.30			
5	16QAM	1	24	23.33	23.25	23.37	23.5	2	
5	16QAM	12	0	22.34	22.33	22.40			
5	16QAM	12	7	22.25	22.28	22.27			
5	16QAM	12	13	22.31	22.30	22.18	23.5	2	
5	16QAM	25	0	22.31	22.29	22.18			
5	64QAM	1	0	22.35	22.37	22.33			
5	64QAM	1	12	22.20	22.11	22.24	23.5	2	
5	64QAM	1	24	22.19	22.22	22.21			
5	64QAM	12	0	21.25	21.36	21.30			
5	64QAM	12	7	21.16	21.14	21.14	22.5	3	
5	64QAM	12	13	21.14	21.16	21.08			
5	64QAM	25	0	21.27	21.28	21.26			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.30	24.40	24.33	25.5	0	
3	QPSK	1	8	24.26	24.26	24.15			
3	QPSK	1	14	24.28	24.31	24.24			
3	QPSK	8	0	23.24	23.34	23.20	24.5	1	
3	QPSK	8	4	23.20	23.30	23.19			
3	QPSK	8	7	23.26	23.22	23.11			
3	QPSK	15	0	23.41	23.33	23.36	24.5	1	
3	16QAM	1	0	23.42	23.49	23.47			
3	16QAM	1	8	23.24	23.31	23.23			
3	16QAM	1	14	23.36	23.31	23.31	23.5	2	
3	16QAM	8	0	22.38	22.32	22.40			
3	16QAM	8	4	22.25	22.20	22.25			
3	16QAM	8	7	22.24	22.25	22.21	23.5	2	
3	16QAM	15	0	22.31	22.31	22.21			
3	64QAM	1	0	22.33	22.36	22.31			
3	64QAM	1	8	22.26	22.16	22.24	23.5	2	
3	64QAM	1	14	22.21	22.26	22.10			
3	64QAM	8	0	21.35	21.34	21.38			
3	64QAM	8	4	21.21	21.17	21.12	22.5	3	
3	64QAM	8	7	21.20	21.15	21.13			
3	64QAM	15	0	21.22	21.31	21.27			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.32	24.36	24.32	25.5	0	
1.4	QPSK	1	3	24.22	24.31	24.13			
1.4	QPSK	1	5	24.24	24.33	24.26			
1.4	QPSK	3	0	24.21	24.29	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.26	24.24			
1.4	QPSK	3	3	24.24	24.27	24.20			
1.4	QPSK	6	0	23.40	23.39	23.40	24.5	1	
1.4	16QAM	1	0	23.44	23.49	23.44			
1.4	16QAM	1	3	23.29	23.32	23.23			
1.4	16QAM	1	5	23.33	23.29	23.32	24.5	1	
1.4	16QAM	3	0	23.30	23.38	23.37			
1.4	16QAM	3	1	23.25	23.16	23.24			
1.4	16QAM	3	3	23.27	23.22	23.15	23.5	2	
1.4	16QAM	6	0	22.25	22.33	22.21			
1.4	64QAM	1	0	22.30	22.38	22.26			
1.4	64QAM	1	3	22.28	22.15	22.23	23.5	2	
1.4	64QAM	1	5	22.19	22.22	22.09			
1.4	64QAM	3	0	22.29	22.32	22.32			
1.4	64QAM	3	1	22.24	22.15	22.18	22.5	3	
1.4	64QAM	3	3	22.12	22.16	22.05			
1.4	64QAM	6	0	21.25	21.29	21.32			

Band 26_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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.00	24.17	24.07	25.4	0	
15	QPSK	1	37	23.97	24.03	23.96			
15	QPSK	1	74	23.99	24.08	23.94			
15	QPSK	36	0	23.03	23.13	23.04	24.4	1	
15	QPSK	36	39	23.01	23.08	22.94			
15	QPSK	75	0	23.02	23.09	22.98			
15	16QAM	1	0	23.05	23.17	23.13	24.4	1	
15	16QAM	1	37	22.94	22.89	22.93			
15	16QAM	1	74	22.96	22.98	22.92			
15	16QAM	36	0	21.93	22.09	22.00	23.4	2	
15	16QAM	36	20	21.94	22.01	21.99			
15	16QAM	36	39	22.01	22.04	22.02			
15	16QAM	75	0	22.02	22.10	21.98	23.4	2	
15	16QAM	1	0	21.98	22.07	22.03			
15	16QAM	1	37	21.83	21.84	21.87			
15	16QAM	1	74	21.85	21.92	21.86	22.4	3	
15	16QAM	36	0	20.94	21.05	20.88			
15	16QAM	36	20	21.02	21.02	20.93			
15	16QAM	36	39	20.85	20.81	20.85	24.4	0	
15	16QAM	75	0	20.96	21.07	20.99			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.94	24.13	24.01	25.4	0	
10	QPSK	1	25	23.95	24.03	23.92			
10	QPSK	1	49	23.93	24.04	23.89			
10	QPSK	25	0	22.86	23.09	22.99	24.4	1	
10	QPSK	25	12	22.77	22.91	22.82			
10	QPSK	25	25	22.92	22.96	23.01			
10	QPSK	50	0	22.92	22.95	22.93	24.4	1	
10	16QAM	1	0	22.92	23.09	22.89			
10	16QAM	1	25	22.96	23.03	22.91			
10	16QAM	1	49	22.81	22.91	22.95	23.4	2	
10	16QAM	25	0	21.90	21.99	21.90			
10	16QAM	25	12	21.89	21.88	21.85			
10	16QAM	25	25	21.87	21.84	21.97	23.4	2	
10	16QAM	50	0	21.94	22.03	21.85			
10	16QAM	1	0	21.90	21.97	22.00			
10	16QAM	1	25	21.74	21.81	21.79	22.4	3	
10	16QAM	1	49	21.80	21.83	21.85			
10	16QAM	25	0	20.91	21.01	20.74			
10	16QAM	25	12	20.94	20.98	20.85	24.4	0	
10	16QAM	25	25	20.74	20.76	20.71			
10	16QAM	50	0	20.92	20.97	20.93			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
5	QPSK	1	0	23.90	24.03	23.92	25.4	0	
5	QPSK	1	12	23.92	23.92	23.84			
5	QPSK	1	24	23.89	23.97	23.84			
5	QPSK	12	0	22.86	23.08	22.88	24.4	1	
5	QPSK	12	7	22.82	22.90	22.85			
5	QPSK	12	13	22.94	22.98	23.00			
5	QPSK	25	0	22.99	23.06	22.99	24.4	1	
5	16QAM	1	0	22.94	23.09	22.92			
5	16QAM	1	12	22.97	22.77	22.88			
5	16QAM	1	24	22.92	22.88	22.92	23.4	2	
5	16QAM	12	0	21.85	21.99	21.87			
5	16QAM	12	7	21.80	21.87	21.91			
5	16QAM	12	13	21.89	21.86	21.91	23.4	2	
5	16QAM	25	0	21.92	21.96	21.84			
5	16QAM	1	0	21.92	21.97	21.99			
5	16QAM	1	12	21.74	21.70	21.83	22.4	3	
5	16QAM	1	24	21.82	21.88	21.86			
5	16QAM	12	0	20.85	20.91	20.79			
5	16QAM	12	7	20.90	20.90	20.88	24.4	0	
5	16QAM	12	13	20.95	20.69	20.77			
5	16QAM	25	0	20.79	20.92	20.89			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.87	24.13	23.96	25.4	0	
3	QPSK	1	8	23.83	23.94	23.88			
3	QPSK	1	14	23.92	23.99	23.87			
3	QPSK	8	0	22.82	23.05	22.98	24.4	1	
3	QPSK	8	4	22.76	22.92	22.81			
3	QPSK	8	7	22.93	23.03	22.86			
3	QPSK	15	0	22.68	22.95	22.93	24.4	1	
3	16QAM	1	0	23.01	23.04	23.07			
3	16QAM	1	8	22.88	22.77	22.78			
3	16QAM	1	14	22.81	22.86	22.92	23.4	2	
3	16QAM	8	0	21.81	22.02	21.86			
3	16QAM	8	4	21.86	21.87	21.89			
3	16QAM	8	7	21.96	21.86	21.90	22.4	3	
3	16QAM	15	0	21.95	21.97	21.95			
3	16QAM	1	0	21.94	22.01	21.89			
3	16QAM	1	8	21.71	21.75	21.75	23.4	2	
3	16QAM	1	14	21.85	21.92	21.91			
3	16QAM	8	0	20.89	20.94	20.74			
3	16QAM	8	4	20.88	20.93	20.79	22.4	3	
3	16QAM	8	7	20.74	20.93	20.85			
3	16QAM	15	0	20.84	20.98	20.92			
Channel				26997	26965	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	846.3			
1.4	QPSK	1	0	23.90	24.08	24.02	25.4	0	
1.4	QPSK	1	3	23.87	23.89	23.83			
1.4	QPSK	1	5	23.92	24.02	23.83			
1.4	QPSK	3	0	23.86	23.98	23.93	24.4	1	
1.4	QPSK	3	3	23.85	23.91	23.85			
1.4	QPSK	3	3	23.98	24.00	23.90			
1.4	QPSK	6	0	22.88	22.98	22.91	24.4	1	
1.4	16QAM	1	0	22.95	23.11	23.03			
1.4	16QAM	1	3	22.87	22.83	22.90			
1.4	16QAM	1	5	22.87	22.89	22.97	23.4	2	
1.4	16QAM	3	0	22.89	22.97	22.97			
1.4	16QAM	3	3	22.93	22.94	22.85			
1.4	16QAM	3	3	22.96	22.82	22.95	22.4	2	
1.4	16QAM	6	0	21.97	21.97	21.85			
1.4	16QAM	1	0	21.86	22.02	21.90			
1.4	16QAM	1	3	21.77	21.75	21.75	23.4	2	
1.4	16QAM	1	5	21.78	21.88	21.73			
1.4	16QAM	3	0	21.90	21.92	21.73			
1.4	16QAM	3	3	21.98	21.94	21.85	22.4	3	
1.4	16QAM	3	3	21.71	21.67	21.78			
1.4	16QAM	6	0	20.89	20.93	20.86			

Band 66_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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.51	20.85	20.49	21.5	0	
20	QPSK	1	49	20.33	20.39	20.43			
20	QPSK	1	99	20.20	20.21	20.21			
20	QPSK	50	0	20.46	20.52	20.41			
20	QPSK	50	24	20.24	20.32	20.31	21.5	0	
20	QPSK	50	50	20.22	20.42	20.27			
20	QPSK	100	0	20.24	20.37	20.32			
20	16QAM	1	0	20.57	20.64	20.58			
20	16QAM	1	49	20.26	20.81	20.52	21.5	0	
20	16QAM	1	99	20.57	20.57	20.39			
20	16QAM	50	0	20.29	20.47	20.45			
20	16QAM	50	24	20.31	20.45	20.45			
20	16QAM	50	50	20.25	20.39	20.39	21.5	0	
20	16QAM	100	0	20.35	20.27	20.45			
20	64QAM	1	0	20.36	20.43	20.37			
20	64QAM	1	49	20.20	20.41	20.47			
20	64QAM	1	99	20.11	20.27	20.27	21.5	0	
20	64QAM	50	0	20.32	20.37	20.36			
20	64QAM	50	24	20.45	20.49	20.57			
20	64QAM	50	50	20.30	20.38	20.31			
20	64QAM	100	0	20.22	20.38	20.37	21.5	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.30	20.54	20.39	21.5	0	
15	QPSK	1	37	20.29	20.33	20.34			
15	QPSK	1	74	20.16	20.16	20.09			
15	QPSK	36	0	20.30	20.43	20.33			
15	QPSK	36	20	20.15	20.29	20.19	21.5	0	
15	QPSK	36	36	20.30	20.36	20.32			
15	QPSK	75	0	20.16	20.31	20.29			
15	16QAM	1	0	20.46	20.56	20.54			
15	16QAM	1	37	20.23	20.57	20.44	21.5	0	
15	16QAM	1	74	20.52	20.52	20.28			
15	16QAM	36	0	20.18	20.26	20.42			
15	16QAM	36	20	20.26	20.36	20.41			
15	16QAM	36	39	20.13	20.30	20.33	21.5	0	
15	16QAM	75	0	20.31	20.22	20.39			
15	64QAM	1	0	20.33	20.38	20.25			
15	64QAM	1	37	20.12	20.33	20.37			
15	64QAM	1	74	20.01	20.16	20.19	21.5	0	
15	64QAM	36	0	20.28	20.34	20.32			
15	64QAM	36	20	20.40	20.44	20.46			
15	64QAM	36	39	20.26	20.32	20.20			
15	64QAM	75	0	20.11	20.33	20.34	21.5	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.34	20.62	20.38	21.5	0	
10	QPSK	1	25	20.24	20.29	20.33			
10	QPSK	1	49	20.08	20.15	20.12			
10	QPSK	25	0	20.23	20.46	20.36			
10	QPSK	25	12	20.20	20.29	20.22	21.5	0	
10	QPSK	25	25	20.19	20.36	20.17			
10	QPSK	50	0	20.13	20.30	20.25			
10	16QAM	1	0	20.45	20.59	20.55			
10	16QAM	1	25	20.15	20.56	20.40	21.5	0	
10	16QAM	1	49	20.48	20.46	20.36			
10	16QAM	25	0	20.23	20.39	20.42			
10	16QAM	25	12	20.20	20.33	20.42			
10	16QAM	25	25	20.22	20.36	20.34	21.5	0	
10	16QAM	50	0	20.25	20.16	20.42			
10	64QAM	1	0	20.31	20.40	20.33			
10	64QAM	1	25	20.09	20.38	20.42			
10	64QAM	1	49	20.05	20.21	20.24	21.5	0	
10	64QAM	25	0	20.26	20.25	20.25			
10	64QAM	25	12	20.40	20.41	20.48			
10	64QAM	25	25	20.26	20.33	20.20			
10	64QAM	50	0	20.13	20.31	20.25	21.5	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.29	20.61	20.38	21.5	0	
5	QPSK	1	12	20.28	20.30	20.40			
5	QPSK	1	24	20.09	20.12	20.17			
5	QPSK	12	0	20.27	20.41	20.31			
5	QPSK	12	7	20.20	20.29	20.28	21.5	0	
5	QPSK	12	13	20.11	20.37	20.19			
5	QPSK	25	0	20.15	20.31	20.21			
5	16QAM	1	0	20.53	20.52	20.48			
5	16QAM	1	12	20.21	20.51	20.48	21.5	0	
5	16QAM	1	24	20.48	20.51	20.31			
5	16QAM	12	0	20.25	20.40	20.38			
5	16QAM	12	7	20.22	20.37	20.36			
5	16QAM	12	13	20.17	20.33	20.29	21.5	0	
5	16QAM	25	0	20.32	20.20	20.37			
5	64QAM	1	0	20.27	20.36	20.27			
5	64QAM	1	12	20.09	20.35	20.38			
5	64QAM	1	24	20.02	20.22	20.15	21.5	0	
5	64QAM	12	0	20.29	20.29	20.26			
5	64QAM	12	7	20.40	20.40	20.46			
5	64QAM	12	13	20.23	20.31	20.25			
5	64QAM	25	0	20.11	20.28	20.30	21.5	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	20.32	20.61	20.40	21.5	0	
3	QPSK	1	8	20.25	20.36	20.34			
3	QPSK	1	14	20.15	20.18	20.16			
3	QPSK	8	0	20.22	20.45	20.34			
3	QPSK	8	4	20.16	20.29	20.19	21.5	0	
3	QPSK	8	7	20.15	20.32	20.21			
3	QPSK	15	0	20.17	20.27	20.23			
3	16QAM	1	0	20.45	20.61	20.47			
3	16QAM	1	8	20.20	20.51	20.42	21.5	0	
3	16QAM	1	14	20.49	20.51	20.31			
3	16QAM	8	0	20.26	20.37	20.41			
3	16QAM	8	4	20.21	20.41	20.33			
3	16QAM	8	7	20.21	20.34	20.35	21.5	0	
3	16QAM	15	0	20.28	20.17	20.42			
3	64QAM	1	0	20.28	20.34	20.27			
3	64QAM	1	8	20.08	20.36	20.38			
3	64QAM	1	14	20.01	20.19	20.22	21.5	0	
3	64QAM	8	0	20.25	20.30	20.25			
3	64QAM	8	4	20.42	20.37	20.54			
3	64QAM	8	7	20.23	20.29	20.27			
3	64QAM	15	0	20.18	20.34	20.28	21.5	0	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.26	20.62	20.38	21.5	0	
1.4	QPSK	1	3	20.30	20.34	20.36			
1.4	QPSK	1	5	20.17	20.09	20.17			
1.4	QPSK	3	0	20.24	20.43	20.37			
1.4	QPSK	3	1	20.19	20.21	20.28	21.5	0	
1.4	QPSK	3	3	20.15	20.35	20.15			
1.4	QPSK	6	0	20.19	20.30	20.28			
1.4	16QAM	1	0	20.51	20.58	20.49			
1.4	16QAM	1	3	20.20	20.50	20.45	21.5	0	
1.4	16QAM	1	5	20.48	20.49	20.35			
1.4	16QAM	3	0	20.21	20.37	20.35			
1.4	16QAM	3	1	20.21	20.33	20.35			
1.4	16QAM	3	3	20.14	20.32	20.34	21.5	0	
1.4	16QAM	6	0	20.26	20.20	20.40			
1.4	64QAM	1	0	20.34	20.38	20.34			
1.4	64QAM	1	3	20.14	20.38	20.36			
1.4	64QAM	1	5	20.00	20.16	20.18	21.5	0	
1.4	64QAM	3	0	20.24	20.26	20.24			
1.4	64QAM	3	3	20.39	20.40	20.52			
1.4	64QAM	3	3	20.24	20.27	20.20			
1.4	64QAM	6	0	20.11	20.34	20.32	21.5	0	

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	22.67	22.89	22.75	23.7	0	
20	QPSK	1	49	22.58	22.75	22.62			
20	QPSK	1	99	22.46	22.53	22.39			
20	QPSK	50	0	22.67	22.85	22.73			
20	QPSK	50	24	22.66	22.81	22.67	23.7	0	
20	QPSK	50	50	22.65	22.79	22.70			
20	QPSK	100	0	22.60	22.77	22.60			
20	16QAM	1	0	22.72	22.87	22.70			
20	16QAM	1	49	22.76	22.88	22.74	23.7	0	
20	16QAM	1	99	22.62	22.78	22.55			
20	16QAM	50	0	22.71	22.86	22.75			
20	16QAM	50	24	22.62	22.82	22.63			
20	16QAM	50	50	22.74	22.82	22.66	23.7	0	
20	16QAM	100	0	22.63	22.77	22.60			
20	64QAM	1	0	22.69	22.85	22.65			
20	64QAM	1	49	22.78	22.85	22.74			
20	64QAM	1	99	22.54	22.68	22.48	22.7	1	
20	64QAM	50	0	21.71	21.87	21.71			
20	64QAM	50	24	21.68	21.82	21.63			
20	64QAM	50	50	21.65	21.80	21.60			
20	64QAM	100	0	21.66	21.75	21.65			
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.64	22.83	22.69	23.7	0	
15	QPSK	1	37	22.51	22.68	22.52			
15	QPSK	1	74	22.43	22.42	22.32			
15	QPSK	36	0	22.59	22.82	22.67			
15	QPSK	36	20	22.56	22.71	22.63	23.7	0	
15	QPSK	36	39	22.53	22.68	22.50			
15	QPSK	75	0	22.52	22.67	22.52			
15	16QAM	1	0	22.64	22.75	22.64			
15	16QAM	1	37	22.66	22.78	22.63	23.7	0	
15	16QAM	1	74	22.59	22.68	22.43			
15	16QAM	36	0	22.61	22.83	22.67			
15	16QAM	36	20	22.59	22.72	22.55			
15	16QAM	36	39	22.66	22.70	22.57	23.7	0	
15	16QAM	75	0	22.55	22.69	22.57			
15	64QAM	1	0	22.64	22.75	22.62			
15	64QAM	1	37	22.75	22.79	22.67			
15	64QAM	1	74	22.44	22.51	22.42	23.7	0	
15	64QAM	36	0	21.67	21.77	21.67			
15	64QAM	36	20	21.61	21.76	21.55			
15	64QAM	36	39	21.61	21.70	21.54			
15	64QAM	75	0	21.63	21.63	21.61	22.7	1	
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.57	22.83	22.71	23.7	0	
10	QPSK	1	25	22.53	22.71	22.58			
10	QPSK	1	49	22.40	22.43	22.27			
10	QPSK	25	0	22.55	22.73	22.69			
10	QPSK	25	12	22.61	22.77	22.61	23.7	0	
10	QPSK	25	25	22.60	22.74	22.64			
10	QPSK	50	0	22.56	22.71	22.48			
10	16QAM	1	0	22.67	22.83	22.63			
10	16QAM	1	25	22.67	22.80	22.59	23.7	0	
10	16QAM	1	49	22.51	22.67	22.43			
10	16QAM	25	0	22.61	22.77	22.64			
10	16QAM	25	12	22.55	22.75	22.54			
10	16QAM	50	0	22.55	22.68	22.54	23.7	0	
10	64QAM	1	0	22.59	22.82	22.52			
10	64QAM	1	25	22.69	22.75	22.68			
10	64QAM	1	49	22.44	22.61	22.38			
10	64QAM	25	0	21.66	21.82	21.63	22.7	1	
10	64QAM	25	12	21.65	21.77	21.53			
10	64QAM	25	25	21.60	21.72	21.56			
10	64QAM	50	0	21.54	21.69	21.53			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.64	22.82	22.63	23.7	0	
5	QPSK	1	12	22.49	22.72	22.52			
5	QPSK	1	24	22.34	22.47	22.27			
5	QPSK	12	0	22.63	22.75	22.65			
5	QPSK	12	7	22.59	22.76	22.61	23.7	0	
5	QPSK	12	13	22.54	22.76	22.59			
5	QPSK	25	0	22.51	22.69	22.50			
5	16QAM	1	0	22.66	22.79	22.65			
5	16QAM	1	12	22.68	22.82	22.64	23.7	0	
5	16QAM	1	24	22.52	22.75	22.50			
5	16QAM	12	0	22.66	22.74	22.67			
5	16QAM	12	7	22.56	22.76	22.60			
5	16QAM	12	13	22.67	22.74	22.60	23.7	0	
5	16QAM	25	0	22.51	22.72	22.56			
5	64QAM	1	0	22.65	22.74	22.58			
5	64QAM	1	12	22.72	22.73	22.63			
5	64QAM	1	24	22.44	22.63	22.37	22.7	1	
5	64QAM	12	0	21.65	21.76	21.60			
5	64QAM	12	7	21.65	21.73	21.57			
5	64QAM	12	13	21.57	21.72	21.48			
5	64QAM	25	0	21.56	21.71	21.55	22.7	1	
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	22.59	22.78	22.72	23.7	0	
3	QPSK	1	8	22.48	22.68	22.50			
3	QPSK	1	14	22.39	22.50	22.27			
3	QPSK	8	0	22.63	22.80	22.69			
3	QPSK	8	4	22.63	22.70	22.56	23.7	0	
3	QPSK	8	7	22.59	22.75	22.62			
3	QPSK	15	0	22.52	22.65	22.53			
3	16QAM	1	0	22.65	22.82	22.63			
3	16QAM	1	8	22.65	22.76	22.71	23.7	0	
3	16QAM	1	14	22.51	22.67	22.49			
3	16QAM	8	0	22.62	22.76	22.66			
3	16QAM	8	4	22.53	22.77	22.53			
3	16QAM	8	7	22.66	22.74	22.58	23.7	0	
3	16QAM	15	0	22.60	22.72	22.48			
3	64QAM	1	0	22.61	22.76	22.58			
3	64QAM	1	8	22.71	22.81	22.67			
3	64QAM	1	14	22.46	22.61	22.42	22.7	1	
3	64QAM	8	0	21.68	21.75	21.66			
3	64QAM	8	4	21.59	21.77	21.53			
3	64QAM	8	7	21.56	21.71	21.50			
3	64QAM	15	0	21.59	21.71	21.59	22.7	1	
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.55	22.82	22.69	23.7	0	
1.4	QPSK	1	3	22.50	22.63	22.57			
1.4	QPSK	1	5	22.39	22.42	22.28			
1.4	QPSK	3	0	22.62	22.79	22.63			
1.4	QPSK	3	1	22.55	22.74	22.60	23.7	0	
1.4	QPSK	3	3	22.60	22.75	22.58			
1.4	QPSK	6	0	22.46	22.68	22.54			
1.4	16QAM	1	0	22.69	22.80	22.61			
1.4	16QAM	1	3	22.73	22.84	22.65	23.7	0	
1.4	16QAM	1	5	22.54	22.73	22.47			
1.4	16QAM	3	0	22.59	22.82	22.63			
1.4	16QAM	3	1	22.52	22.78	22.60			
1.4	16QAM	3	3	22.67	22.79	22.61	23.7	0	
1.4	16QAM	6	0	22.55	22.66	22.49			
1.4	64QAM	1	0	22.66	22.74	22.53	23.7	0	
1.4	64QAM	1	3	22.73	22.74	22.67			
1.4	64QAM	1	5	22.44	22.61	22.28			
1.4	64QAM	3	0	22.58	22.70	22.44			
1.4	64QAM	3	3	22.63	22.67	22.47	23.7	0	
1.4	64QAM	3	3	22.33	22.52	22.28			
1.4	64QAM	6	0	21.61	21.68	21.53	22.7	1	

Band 38_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				37850	38000	38150	25	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.23	24.33	24.25			
20	QPSK	1	49	24.09	24.24	24.24			
20	QPSK	1	99	23.97	24.07	24.02	24.5	0.5	
20	QPSK	50	0	23.77	23.88	23.67			
20	QPSK	50	24	23.62	23.61	23.58			
20	QPSK	50	50	23.49	23.72	23.55			
20	QPSK	100	0	23.60	23.71	23.64	24.5	0.5	
20	16QAM	1	0	23.86	23.78	23.64			
20	16QAM	1	49	23.64	23.51	23.65			
20	16QAM	1	99	23.71	23.62	23.56			
20	16QAM	50	0	22.83	22.81	22.84	23.5	1.5	
20	16QAM	50	24	22.63	22.55	22.64			
20	16QAM	50	50	22.55	22.75	22.67			
20	16QAM	100	0	22.73	22.81	22.85			
20	64QAM	1	0	22.36	22.58	22.41	23.5	1.5	
20	64QAM	1	49	22.29	22.28	22.23			
20	64QAM	1	99	22.37	22.42	22.30			
20	64QAM	50	0	21.72	21.75	21.78			
20	64QAM	50	24	21.53	21.60	21.61	22.5	2.5	
20	64QAM	50	50	21.51	21.54	21.42			
20	64QAM	100	0	21.66	21.74	21.78			
Channel				37825	38000	38175	25	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.12	24.32	24.09			
15	QPSK	1	37	24.10	24.22	24.00			
15	QPSK	1	74	24.03	24.17	24.06	24.5	0.5	
15	QPSK	36	0	23.66	23.79	23.73			
15	QPSK	36	20	23.68	23.60	23.59			
15	QPSK	36	39	23.54	23.51	23.47			
15	QPSK	75	0	23.60	23.64	23.51	24.5	0.5	
15	16QAM	1	0	23.74	23.64	23.66			
15	16QAM	1	37	23.60	23.50	23.50			
15	16QAM	1	74	23.51	23.55	23.52			
15	16QAM	36	0	22.89	22.94	22.97	23.5	1.5	
15	16QAM	36	20	22.61	22.57	22.60			
15	16QAM	36	39	22.57	22.60	22.61			
15	16QAM	75	0	22.72	22.72	22.66			
15	64QAM	1	0	22.52	22.43	22.32	23.5	1.5	
15	64QAM	1	37	22.15	22.13	22.15			
15	64QAM	1	74	22.40	22.44	22.37			
15	64QAM	36	0	21.70	21.66	21.70			
15	64QAM	36	20	21.54	21.51	21.62	22.5	2.5	
15	64QAM	36	39	21.45	21.47	21.49			
15	64QAM	75	0	21.73	21.73	21.70			
Channel				37800	38000	38200	25	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.21	24.17	24.16			
10	QPSK	1	25	24.11	24.27	24.10			
10	QPSK	1	49	24.10	24.19	24.00	24.5	0.5	
10	QPSK	25	0	23.79	23.67	23.69			
10	QPSK	25	12	23.51	23.63	23.62			
10	QPSK	25	25	23.41	23.69	23.51			
10	QPSK	50	0	23.54	23.70	23.57	24.5	0.5	
10	16QAM	1	0	23.69	23.69	23.70			
10	16QAM	1	25	23.47	23.42	23.56			
10	16QAM	1	49	23.60	23.52	23.60			
10	16QAM	25	0	22.75	22.72	22.72	23.5	1.5	
10	16QAM	25	12	22.61	22.50	22.49			
10	16QAM	25	25	22.64	22.74	22.63			
10	16QAM	50	0	22.64	22.56	22.77			
10	64QAM	1	0	22.41	22.41	22.41	23.5	1.5	
10	64QAM	1	25	22.18	22.11	22.24			
10	64QAM	1	49	22.33	22.37	22.33			
10	64QAM	25	0	21.65	21.68	21.78			
10	64QAM	25	12	21.46	21.58	21.67	22.5	2.5	
10	64QAM	25	25	21.49	21.54	21.38			
10	64QAM	50	0	21.64	21.59	21.59			
Channel				37775	38000	38225	25	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.21	24.28	24.15			
5	QPSK	1	12	24.10	24.13	24.03			
5	QPSK	1	24	23.97	24.19	24.02	24.5	0.5	
5	QPSK	12	0	23.67	23.79	23.79			
5	QPSK	12	7	23.55	23.61	23.63			
5	QPSK	12	13	23.56	23.52	23.50			
5	QPSK	25	0	23.55	23.55	23.45	24.5	0.5	
5	16QAM	1	0	23.63	23.66	23.72			
5	16QAM	1	12	23.56	23.50	23.41			
5	16QAM	1	24	23.66	23.57	23.61			
5	16QAM	12	0	22.84	22.77	22.87	23.5	1.5	
5	16QAM	12	7	22.55	22.53	22.50			
5	16QAM	12	13	22.47	22.72	22.49			
5	16QAM	25	0	22.63	22.58	22.77			
5	64QAM	1	0	22.47	22.40	22.31	23.5	1.5	
5	64QAM	1	12	22.15	22.11	22.21			
5	64QAM	1	24	22.39	22.35	22.33			
5	64QAM	12	0	21.74	21.62	21.76			
5	64QAM	12	7	21.45	21.49	21.64	22.5	2.5	
5	64QAM	12	13	21.47	21.43	21.46			
5	64QAM	25	0	21.70	21.72	21.72			

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	21.77	21.89	21.79	23	0			
20	QPSK	1	49	21.72	21.88	21.74					
20	QPSK	1	99	21.67	21.76	21.64					
20	QPSK	50	0	21.74	21.88	21.77					
20	QPSK	50	24	21.71	21.86	21.69	23	0			
20	QPSK	50	50	21.73	21.84	21.70					
20	QPSK	100	0	21.71	21.85	21.66					
20	16QAM	1	0	21.58	21.76	21.62					
20	16QAM	1	49	21.72	21.87	21.68	23	0			
20	16QAM	1	99	21.68	21.84	21.67					
20	16QAM	50	0	21.65	21.80	21.66					
20	16QAM	50	24	21.72	21.86	21.66					
20	16QAM	50	50	21.73	21.85	21.66	23	0			
20	16QAM	100	0	21.73	21.87	21.72					
20	64QAM	1	0	21.57	21.68	21.59					
20	64QAM	1	49	21.74	21.79	21.69					
20	64QAM	1	99	21.61	21.77	21.59	23	0			
20	64QAM	50	0	20.68	20.86	20.67					
20	64QAM	50	24	20.78	20.93	20.78					
20	64QAM	50	50	20.84	20.92	20.84					
20	64QAM	100	0	20.67	20.82	20.69	22	1			
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	21.67	21.78	21.73			23	0	
15	QPSK	1	37	21.65	21.77	21.68					
15	QPSK	1	74	21.59	21.69	21.59					
15	QPSK	36	0	21.68	21.81	21.74					
15	QPSK	36	20	21.66	21.81	21.62	23	0			
15	QPSK	36	39	21.63	21.77	21.58					
15	QPSK	75	0	21.60	21.80	21.57					
15	16QAM	1	0	21.51	21.72	21.54					
15	16QAM	1	37	21.62	21.81	21.57	23	0			
15	16QAM	1	74	21.54	21.73	21.55					
15	16QAM	36	0	21.53	21.77	21.61					
15	16QAM	36	20	21.65	21.75	21.55					
15	16QAM	36	39	21.69	21.75	21.55	23	0			
15	16QAM	75	0	21.61	21.84	21.60					
15	64QAM	1	0	21.54	21.60	21.50					
15	64QAM	1	37	21.59	21.69	21.58					
15	64QAM	1	74	21.58	21.75	21.55	23	0			
15	64QAM	36	0	20.64	20.82	20.58					
15	64QAM	36	20	20.67	20.89	20.73					
15	64QAM	36	39	20.72	20.87	20.81					
15	64QAM	75	0	20.64	20.79	20.60	22	1			
Channel				37870	38000	38200					
Frequency (MHz)				2730	2745	2761.5					
10	QPSK	1	0	21.71	21.82	21.87			23	0	
10	QPSK	1	25	21.69	21.78	21.63					
10	QPSK	1	49	21.63	21.65	21.52					
10	QPSK	25	0	21.70	21.81	21.69					
10	QPSK	25	12	21.61	21.82	21.62	23	0			
10	QPSK	25	25	21.63	21.75	21.64					
10	QPSK	50	0	21.61	21.80	21.55					
10	16QAM	1	0	21.54	21.74	21.56					
10	16QAM	1	25	21.68	21.80	21.60	23	0			
10	16QAM	1	49	21.61	21.73	21.60					
10	16QAM	25	0	21.53	21.75	21.55					
10	16QAM	25	12	21.69	21.82	21.56					
10	16QAM	25	25	21.68	21.75	21.61	23	0			
10	16QAM	50	0	21.65	21.81	21.64					
10	16QAM	1	0	21.48	21.57	21.50					
10	64QAM	1	25	21.66	21.79	21.63					
10	64QAM	1	49	21.53	21.76	21.49	23	0			
10	64QAM	25	0	20.57	20.79	20.56					
10	64QAM	25	12	20.70	20.82	20.74					
10	64QAM	25	25	20.81	20.84	20.73					
10	64QAM	50	0	20.56	20.76	20.57	22	1			
Channel				3777.5	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	21.73	21.79	21.71			23	0	
5	QPSK	1	12	21.65	21.83	21.71					
5	QPSK	1	24	21.59	21.65	21.56					
5	QPSK	12	0	21.66	21.78	21.65					
5	QPSK	12	7	21.59	21.75	21.65	23	0			
5	QPSK	12	13	21.65	21.77	21.63					
5	QPSK	25	0	21.64	21.77	21.59					
5	16QAM	1	0	21.55	21.64	21.53					
5	16QAM	1	12	21.69	21.78	21.60	23	0			
5	16QAM	1	24	21.64	21.74	21.57					
5	16QAM	12	0	21.60	21.73	21.56					
5	16QAM	12	7	21.60	21.81	21.61					
5	16QAM	12	13	21.63	21.78	21.59	23	0			
5	16QAM	25	0	21.63	21.76	21.61					
5	64QAM	1	0	21.50	21.59	21.53					
5	64QAM	1	12	21.65	21.86	21.61					
5	64QAM	1	24	21.55	21.73	21.49	23	0			
5	64QAM	12	0	20.56	20.79	20.56					
5	64QAM	12	7	20.75	20.86	20.76					
5	64QAM	12	13	20.75	20.80	20.73					
5	64QAM	25	0	20.60	20.72	20.62	22	1			

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	21.32	21.49	21.43	22.7	0	
20	QPSK	1	49	21.30	21.32	21.37			
20	QPSK	1	99	21.27	21.31	21.32			
20	QPSK	50	0	21.28	21.41	21.35	22.7	0	
20	QPSK	50	24	21.22	21.32	21.32			
20	QPSK	50	50	21.26	21.37	21.24			
20	QPSK	100	0	21.22	21.34	21.21	22.7	0	
20	16QAM	1	0	21.16	21.14	21.21			
20	16QAM	1	49	21.41	21.38	21.47			
20	16QAM	1	99	21.32	21.31	21.38	22.7	0	
20	16QAM	50	0	21.25	21.28	21.35			
20	16QAM	50	24	21.32	21.45	21.41			
20	16QAM	50	50	21.34	21.39	21.43	22.7	0	
20	16QAM	100	0	21.27	21.27	21.34			
20	64QAM	1	0	20.85	20.86	20.93			
20	64QAM	1	49	21.09	21.03	21.14	22.7	0	
20	64QAM	1	99	21.06	21.04	21.07			
20	64QAM	50	0	21.22	21.26	21.33			
20	64QAM	50	24	21.26	21.34	21.39	22.7	0	
20	64QAM	50	50	21.25	21.36	21.35			
20	64QAM	100	0	21.20	21.29	21.30			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.21	21.47	21.38	22.7	0	
15	QPSK	1	37	21.21	21.24	21.32			
15	QPSK	1	74	21.19	21.20	21.31			
15	QPSK	36	0	21.27	21.38	21.24	22.7	0	
15	QPSK	36	20	21.20	21.24	21.25			
15	QPSK	36	39	21.23	21.31	21.23			
15	QPSK	75	0	21.19	21.29	21.15	22.7	0	
15	16QAM	1	0	21.11	21.02	21.20			
15	16QAM	1	37	21.29	21.31	21.36			
15	16QAM	1	74	21.20	21.28	21.26	22.7	0	
15	16QAM	36	0	21.18	21.24	21.27			
15	16QAM	36	20	21.26	21.43	21.40			
15	16QAM	36	39	21.26	21.32	21.42	22.7	0	
15	16QAM	75	0	21.23	21.16	21.25			
15	64QAM	1	0	20.79	20.75	20.87			
15	64QAM	1	37	21.07	20.91	21.02	22.7	0	
15	64QAM	1	74	21.05	21.03	21.01			
15	64QAM	36	0	21.20	21.17	21.25			
15	64QAM	36	20	21.22	21.23	21.37	22.7	0	
15	64QAM	36	39	21.18	21.24	21.29			
15	64QAM	75	0	21.13	21.23	21.20			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.22	21.39	21.33	22.7	0	
10	QPSK	1	25	21.22	21.30	21.31			
10	QPSK	1	49	21.25	21.28	21.24			
10	QPSK	25	0	21.28	21.39	21.31	22.7	0	
10	QPSK	25	12	21.19	21.23	21.24			
10	QPSK	25	25	21.26	21.27	21.23			
10	QPSK	50	0	21.10	21.33	21.11	22.7	0	
10	16QAM	1	0	21.15	21.13	21.12			
10	16QAM	1	25	21.32	21.31	21.35			
10	16QAM	1	49	21.24	21.22	21.36	22.7	0	
10	16QAM	25	0	21.21	21.23	21.31			
10	16QAM	25	12	21.24	21.39	21.31			
10	16QAM	25	25	21.26	21.35	21.35	22.7	0	
10	16QAM	50	0	21.26	21.22	21.26			
10	64QAM	1	0	20.78	20.76	20.88			
10	64QAM	1	25	21.05	20.98	21.06	22.7	0	
10	64QAM	1	49	21.00	20.95	20.98			
10	64QAM	25	0	21.15	21.22	21.26			
10	64QAM	25	12	21.18	21.25	21.37	22.7	0	
10	64QAM	25	25	21.16	21.27	21.33			
10	64QAM	50	0	21.13	21.23	21.22			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.26	21.46	21.33	22.7	0	
5	QPSK	1	12	21.18	21.25	21.33			
5	QPSK	1	24	21.15	21.19	21.27			
5	QPSK	12	0	21.25	21.36	21.28	22.7	0	
5	QPSK	12	7	21.18	21.28	21.26			
5	QPSK	12	13	21.18	21.29	21.17			
5	QPSK	25	0	21.20	21.32	21.11	22.7	0	
5	16QAM	1	0	21.06	21.08	21.17			
5	16QAM	1	12	21.32	21.28	21.35			
5	16QAM	1	24	21.20	21.19	21.35	22.7	0	
5	16QAM	12	0	21.20	21.27	21.34			
5	16QAM	12	7	21.20	21.41	21.30			
5	16QAM	12	13	21.27	21.27	21.35	22.7	0	
5	16QAM	25	0	21.19	21.15	21.31			
5	64QAM	1	0	20.77	20.82	20.81			
5	64QAM	1	12	20.98	20.93	21.04	22.7	0	
5	64QAM	1	24	20.97	20.99	21.03			
5	64QAM	12	0	21.21	21.14	21.30			
5	64QAM	12	7	21.24	21.32	21.32	22.7	0	
5	64QAM	12	13	21.13	21.32	21.24			
5	64QAM	25	0	21.18	21.28	21.21			

Band 38_Ant 3									
BW [MHz]	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	23.46	23.48	23.40	24.5	0	
20	QPSK	1	49	23.28	23.41	23.34			
20	QPSK	1	99	23.29	23.37	23.33			
20	QPSK	50	0	22.51	22.55	22.49	23.5	1	
20	QPSK	50	24	22.31	22.39	22.34			
20	QPSK	50	50	22.30	22.43	22.34			
20	QPSK	100	0	22.42	22.50	22.44	23.5	1	
20	16QAM	1	0	22.52	22.51	22.47			
20	16QAM	1	49	22.36	22.33	22.42			
20	16QAM	1	99	22.37	22.42	22.41	22.5	2	
20	16QAM	50	0	21.57	21.52	21.51			
20	16QAM	50	24	21.34	21.33	21.38			
20	16QAM	50	50	21.45	21.35	21.41	22.5	2	
20	16QAM	100	0	21.51	21.48	21.45			
20	64QAM	1	0	21.23	21.26	21.17			
20	64QAM	1	49	21.07	21.09	21.05	22.5	2	
20	64QAM	1	99	21.19	21.20	21.20			
20	64QAM	50	0	20.52	20.50	20.51			
20	64QAM	50	24	20.40	20.37	20.39	21.5	3	
20	64QAM	50	50	20.31	20.28	20.27			
20	64QAM	100	0	20.48	20.44	20.41			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.33	23.45	23.37	24.5	0	
15	QPSK	1	37	23.19	23.32	23.22			
15	QPSK	1	74	23.20	23.25	23.21			
15	QPSK	36	0	22.37	22.43	22.41	23.5	1	
15	QPSK	36	20	22.22	22.25	22.20			
15	QPSK	36	39	22.23	22.34	22.23			
15	QPSK	75	0	22.29	22.41	22.32	23.5	1	
15	16QAM	1	0	22.47	22.44	22.33			
15	16QAM	1	37	22.38	22.26	22.37			
15	16QAM	1	74	22.24	22.36	22.30	22.5	2	
15	16QAM	36	0	21.43	21.47	21.38			
15	16QAM	36	20	21.30	21.24	21.21			
15	16QAM	36	39	21.36	21.25	21.29	22.5	2	
15	16QAM	75	0	21.48	21.44	21.37			
15	16QAM	1	0	21.10	21.17	21.14			
15	64QAM	1	0	20.98	21.02	20.95	22.5	2	
15	64QAM	1	74	21.10	21.08	21.06			
15	64QAM	36	0	20.45	20.46	20.38			
15	64QAM	36	20	20.27	20.30	20.33	21.5	3	
15	64QAM	36	39	20.22	20.14	20.17			
15	64QAM	75	0	20.43	20.37	20.29			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.36	23.38	23.36	24.5	0	
10	QPSK	1	25	23.18	23.30	23.24			
10	QPSK	1	49	23.22	23.23	23.27			
10	QPSK	25	0	22.45	22.50	22.41	23.5	1	
10	QPSK	25	12	22.26	22.31	22.19			
10	QPSK	25	25	22.22	22.35	22.22			
10	QPSK	50	0	22.32	22.40	22.38	23.5	1	
10	16QAM	1	0	22.39	22.47	22.40			
10	16QAM	1	25	22.31	22.19	22.33			
10	16QAM	1	49	22.27	22.33	22.30	22.5	2	
10	16QAM	25	0	21.47	21.44	21.44			
10	16QAM	25	12	21.19	21.19	21.19			
10	16QAM	25	25	21.32	21.26	21.38	22.5	2	
10	16QAM	50	0	21.37	21.31	21.27			
10	64QAM	1	0	21.09	21.14	21.10			
10	64QAM	1	25	20.95	20.98	21.00	22.5	2	
10	64QAM	1	49	21.12	21.10	21.12			
10	64QAM	25	0	20.43	20.39	20.37			
10	64QAM	25	12	20.29	20.28	20.24	21.5	3	
10	64QAM	25	25	20.26	20.19	20.22			
10	64QAM	50	0	20.37	20.40	20.29			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.34	23.37	23.32	24.5	0	
5	QPSK	1	12	23.16	23.34	23.20			
5	QPSK	1	24	23.14	23.26	23.26			
5	QPSK	12	0	22.42	22.43	22.42	23.5	1	
5	QPSK	12	7	22.27	22.28	22.22			
5	QPSK	12	13	22.26	22.31	22.27			
5	QPSK	25	0	22.30	22.36	22.40	23.5	1	
5	16QAM	1	0	22.41	22.41	22.39			
5	16QAM	1	12	22.22	22.29	22.36			
5	16QAM	1	24	22.34	22.30	22.36	22.5	2	
5	16QAM	12	0	21.43	21.38	21.44			
5	16QAM	12	7	21.25	21.26	21.26			
5	16QAM	12	13	21.33	21.33	21.36	22.5	2	
5	16QAM	25	0	21.44	21.35	21.34			
5	64QAM	1	0	21.14	21.11	21.12			
5	64QAM	1	12	21.03	21.03	20.92	22.5	2	
5	64QAM	1	24	21.10	21.13	21.16			
5	64QAM	12	0	20.43	20.45	20.43			
5	64QAM	12	7	20.36	20.29	20.34	21.5	3	
5	64QAM	12	13	20.20	20.20	20.16			
5	64QAM	25	0	20.44	20.30	20.34			

Band 41_Ant 0																		
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.	Tune-up limit (dBm)	MPR (dB)								
Channel				39750	40185	40620	41055	41490										
Frequency (MHz)				2506	2549.5	2593	2636.5	2680										
20	QPSK	1	0	24.30	24.32	24.39	24.33	24.34	25	0	24	0						
20	QPSK	1	49	24.08	24.26	24.38	24.32	24.23										
20	QPSK	1	99	24.28	24.30	24.37	24.28	24.28										
20	QPSK	50	0	23.67	23.78	23.95	23.79	23.88										
20	QPSK	50	24	23.50	23.54	23.69	23.52	23.61	24.5	0.5	24	0						
20	QPSK	50	50	23.53	23.58	23.51	23.41	23.54										
20	QPSK	100	0	23.70	23.68	23.91	23.72	23.79										
20	16QAM	1	0	23.74	23.48	23.75	23.70	23.76										
20	16QAM	1	49	23.49	23.56	23.46	23.51	23.45	24.5	0.5	24	0						
20	16QAM	1	99	23.52	23.54	23.61	23.49	23.62										
20	16QAM	50	0	22.76	22.50	22.78	22.87	22.73										
20	16QAM	50	24	22.52	22.50	22.47	22.51	22.48			23	1						
20	16QAM	50	50	22.54	22.54	22.61	22.61	22.54										
20	16QAM	100	0	22.76	22.59	22.61	22.82	22.78										
20	64QAM	1	0	22.31	22.21	22.52	22.35	22.41										
20	64QAM	1	49	22.29	22.41	22.45	22.33	22.48	22.5	2.5	22	2						
20	64QAM	1	99	22.34	22.39	22.48	22.47	22.49										
20	64QAM	50	0	21.67	21.68	21.81	21.57	21.79										
20	64QAM	50	24	21.80	21.61	21.80	21.76	21.81										
20	64QAM	50	50	21.55	21.73	21.62	21.61	21.55	Tune-up limit (dBm) MPR (dB)									
20	64QAM	100	0	21.72	21.54	21.61	21.75	21.63	39725	40173	40620	41068	41515	2503.5	2548.3	2593	2637.5	2682.5
Channel				2503.5	2548.3	2593	2637.5	2682.5										
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5										
15	QPSK	1	0	23.94	23.88	24.10	23.95	24.18	25	0	24	0						
15	QPSK	1	37	23.77	23.95	24.12	24.06	23.97										
15	QPSK	1	74	24.01	24.12	24.18	23.98	24.07										
15	QPSK	36	0	23.43	23.49	23.75	23.52	23.60			24.5	0.5						
15	QPSK	36	20	23.25	23.27	23.42	23.28	23.39	24.5	0.5								
15	QPSK	36	39	23.28	23.36	23.25	23.18	23.25										
15	QPSK	75	0	23.43	23.44	23.66	23.47	23.48										
15	16QAM	1	0	23.54	23.24	23.56	23.51	23.58	24.5	0.5	24	0						
15	16QAM	1	37	23.25	23.34	23.26	23.21	23.16										
15	16QAM	1	74	23.25	23.33	23.39	23.30	23.32										
15	16QAM	36	0	22.54	22.21	22.48	22.46	22.50			23.5	1.5						
15	16QAM	36	20	22.34	22.19	22.29	22.24	22.26	23.5	1.5								
15	16QAM	36	39	22.31	22.35	22.37	22.38	22.28										
15	16QAM	75	0	22.52	22.33	22.36	22.54	22.59										
15	64QAM	1	0	22.09	22.10	22.21	21.91	22.00	23.5	1.5	23	1						
15	64QAM	1	37	22.05	22.31	22.01	22.22	22.37										
15	64QAM	1	74	22.20	21.94	22.38	22.05	22.27										
15	64QAM	36	0	21.31	21.32	21.49	21.38	21.62			22	2						
15	64QAM	36	20	21.53	21.24	21.39	21.65	21.35	22	2								
15	64QAM	36	39	21.35	21.28	21.35	21.42	21.42										
15	64QAM	75	0	21.28	21.16	21.30	21.58	21.46										
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm) MPR (dB)									
Frequency (MHz)				2501	2547	2593	2639	2685										
10	QPSK	1	0	23.99	24.14	23.98	24.12	24.04	25	0	24	0						
10	QPSK	1	25	23.96	23.97	24.11	24.06	24.04										
10	QPSK	1	49	24.01	24.12	24.18	24.02	24.00										
10	QPSK	25	0	23.44	23.58	23.68	23.48	23.63			24.5	0.5						
10	QPSK	25	12	23.26	23.32	23.44	23.33	23.41	24.5	0.5								
10	QPSK	25	25	23.31	23.40	23.33	23.10	23.27										
10	QPSK	50	0	23.46	23.37	23.60	23.47	23.53										
10	16QAM	1	0	23.46	23.20	23.54	23.40	23.48	24.5	0.5	24	0						
10	16QAM	1	25	23.10	23.31	23.15	23.24	23.21										
10	16QAM	1	49	23.24	23.34	23.35	23.27	23.31										
10	16QAM	25	0	22.46	22.32	22.53	22.59	22.50			23.5	1.5						
10	16QAM	25	12	22.24	22.32	22.25	22.33	22.17	23.5	1.5								
10	16QAM	25	25	22.29	22.36	22.42	22.42	22.27										
10	16QAM	50	0	22.45	22.40	22.43	22.55	22.53										
10	64QAM	1	0	21.69	21.94	22.20	22.19	22.28	23.5	1.5	23	1						
10	64QAM	1	25	22.19	22.16	22.18	22.07	22.12										
10	64QAM	1	49	21.94	21.93	22.11	22.26	22.16										
10	64QAM	25	0	21.44	21.53	21.63	21.31	21.56			22.5	2.5						
10	64QAM	25	12	21.62	21.23	21.59	21.61	21.49	22.5	2.5								
10	64QAM	25	25	21.30	21.37	21.16	21.49	21.33										
10	64QAM	50	0	21.34	21.20	21.24	21.34	21.69										
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm) MPR (dB)									
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5										
5	QPSK	1	0	24.13	23.96	24.24	24.02	24.22	25	0	24	0						
5	QPSK	1	12	23.72	23.96	24.20	24.05	23.96										
5	QPSK	1	24	24.03	24.10	24.12	24.08	24.10										
5	QPSK	12	0	23.46	23.59	23.65	23.60	23.62			24.5	0.5						
5	QPSK	12	7	23.22	23.29	23.39	23.30	23.41	24.5	0.5								
5	QPSK	12	13	23.34	23.30	23.32	23.19	23.33										
5	QPSK	25	0	23.51	23.42	23.64	23.44	23.48										
5	16QAM	1	0	23.52	23.25	23.49	23.48	23.52	24.5	0.5	24	0						
5	16QAM	1	12	23.23	23.37	23.19	23.28	23.19										
5	16QAM	1	24	23.25	23.33	23.33	23.29	23.43										
5	16QAM	12	0	22.47	22.20	22.56	22.59	22.55			23.5	1.5						
5	16QAM	12	7	22.29	22.31	22.28	22.29	22.28	23.5	1.5								
5	16QAM	12	13	22.25	22.24	22.30	22.34	22.29										
5	16QAM	25	0	22.55	22.34	22.30	22.53	22.48										
5	64QAM	1	0	22.20	21.76	22.09	22.14	22.11	23.5	1.5	23	1						
5	64QAM	1	12	21.97	22.04	22.30	21.94	22.17										
5	64QAM	1	24	22.14	22.24	22.14	22.10	22.05										
5	64QAM	12	0	21.24	21.54	21.68	21.44	21.36			22	2						
5	64QAM	12	7	21.39	21.47	21.67	21.57	21.43	22	2								
5	64QAM	12	13	21.22	21.46	21.47	21.39	21.09										
5	64QAM	25	0	21.40	21.32	21.32	21.47	21.59										

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.01	22.95	23.07	22.71	22.92	24	0		
20	QPSK	1	49	22.91	22.94	22.73	22.69	22.88				
20	QPSK	1	99	22.82	22.83	22.60	22.64	22.78				
20	QPSK	50	0	22.98	22.98	22.05	22.05	22.89				
20	QPSK	50	24	22.81	22.78	22.77	22.60	22.89				
20	QPSK	50	50	22.76	22.56	22.77	22.61	22.62	24	0		
20	QPSK	100	0	22.71	22.78	23.03	22.77	22.78				
20	16QAM	1	0	22.76	22.54	22.83	22.50	22.67				
20	16QAM	1	49	22.65	22.64	22.60	22.58	22.59				
20	16QAM	1	99	22.73	22.71	22.74	22.73	22.78				
20	16QAM	50	0	21.85	21.81	21.89	21.82	21.83	23	1		
20	16QAM	50	24	21.80	21.72	21.86	21.75	21.89				
20	16QAM	50	50	21.66	21.67	21.59	21.78	21.61				
20	16QAM	100	0	21.83	21.55	21.84	21.54	21.63				
20	64QAM	1	0	21.66	21.28	21.62	21.29	21.37				
20	64QAM	1	49	21.35	21.25	21.36	21.25	21.39	23	1		
20	64QAM	1	99	21.46	21.48	21.39	21.41	21.34				
20	64QAM	50	0	20.91	20.90	20.49	20.47	20.59				
20	64QAM	50	24	20.82	20.63	20.52	20.68	20.72				
20	64QAM	50	50	20.49	20.46	20.70	20.71	20.75				
20	64QAM	100	0	20.79	20.38	20.86	20.43	20.54				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.1	2593	2637.8	2682.5				
15	QPSK	1	0	22.87	22.61	22.82	22.58	22.84	24	0		
15	QPSK	1	37	22.65	22.73	22.55	22.48	22.77				
15	QPSK	1	74	22.73	22.69	22.73	22.59	22.59				
15	QPSK	36	0	22.77	22.63	22.89	22.48	22.62				
15	QPSK	36	20	22.66	22.63	22.61	22.35	22.50				
15	QPSK	36	39	22.60	22.35	22.53	22.45	22.42	24	0		
15	QPSK	75	0	22.50	22.61	22.82	22.52	22.54				
15	16QAM	1	0	22.61	22.36	22.67	22.31	22.48				
15	16QAM	1	37	22.40	22.38	22.38	22.32	22.43				
15	16QAM	1	74	22.52	22.57	22.48	22.54	22.51				
15	16QAM	36	0	21.64	21.40	21.69	21.38	21.68	23	1		
15	16QAM	36	20	21.61	21.48	21.43	21.54	21.53				
15	16QAM	36	39	21.53	21.43	21.45	21.57	21.36				
15	16QAM	75	0	21.63	21.33	21.62	21.36	21.49				
15	64QAM	1	0	21.29	21.17	21.41	21.02	21.11				
15	64QAM	1	37	21.63	21.09	21.37	21.32	21.05	23	1		
15	64QAM	1	74	21.41	21.40	21.13	21.32	21.18				
15	64QAM	36	0	20.50	20.12	20.61	20.14	20.45				
15	64QAM	36	20	20.31	20.45	20.29	20.43	20.50				
15	64QAM	36	39	20.44	20.19	20.39	20.62	20.55				
15	64QAM	75	0	20.68	20.04	20.75	20.17	20.23				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.1	2541.1	2593	2639	2690				
10	QPSK	1	0	22.72	22.69	22.72	22.62	22.68	24	0		
10	QPSK	1	25	22.75	22.80	22.47	22.47	22.75				
10	QPSK	1	49	22.71	22.63	22.35	22.43	22.57				
10	QPSK	25	0	22.73	22.65	22.89	22.53	22.61				
10	QPSK	25	12	22.64	22.58	22.63	22.38	22.43				
10	QPSK	25	25	22.55	22.31	22.62	22.41	22.40	24	0		
10	QPSK	50	0	22.55	22.64	22.87	22.52	22.63				
10	16QAM	1	0	22.57	22.31	22.67	22.32	22.45				
10	16QAM	1	25	22.48	22.45	22.45	22.43	22.38				
10	16QAM	1	49	22.57	22.57	22.50	22.52	22.58				
10	16QAM	25	0	21.71	21.36	21.75	21.40	21.63	23	1		
10	16QAM	25	12	21.55	21.51	21.42	21.54	21.45				
10	16QAM	25	25	21.46	21.47	21.37	21.58	21.35				
10	64QAM	50	0	21.62	21.36	21.43	21.12	21.48				
10	64QAM	1	0	21.25	21.08	21.43	21.12	21.01				
10	64QAM	1	25	21.22	21.00	21.36	21.12	21.04	23	1		
10	64QAM	1	49	21.23	21.40	21.31	21.32	21.26				
10	64QAM	25	0	20.79	20.08	20.60	20.02	20.24				
10	64QAM	25	12	20.37	20.48	20.33	20.59	20.40				
10	64QAM	25	25	20.13	20.24	20.58	20.50	20.58				
10	64QAM	50	0	20.56	20.27	20.35	20.32	20.34				
Channel				39575	40145	40620	41093	41525	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.87	22.73	22.81	22.48	22.63	24	0		
5	QPSK	1	12	22.57	22.78	22.51	22.56	22.74				
5	QPSK	1	24	22.78	22.57	22.46	22.38	22.64				
5	QPSK	12	0	22.75	22.71	22.81	22.44	22.67				
5	QPSK	12	7	22.62	22.52	22.56	22.35	22.48				
5	QPSK	12	13	22.59	22.59	22.49	22.35	22.48	24	0		
5	QPSK	25	0	21.31	21.31	21.31	20.80	22.57				
5	16QAM	1	0	22.61	22.30	22.66	22.30	22.53				
5	16QAM	1	12	22.42	22.40	22.43	22.35	22.43				
5	16QAM	1	24	22.55	22.57	22.48	22.56	22.61				
5	16QAM	12	0	21.71	21.42	21.65	21.39	21.63	23	1		
5	16QAM	12	7	21.57	21.59	21.44	21.51	21.50				
5	16QAM	12	13	21.61	21.36	21.47	21.35	21.45				
5	16QAM	25	0	21.64	21.34	21.69	21.29	21.38				
5	64QAM	1	0	21.53	21.03	21.44	21.03	21.28				
5	64QAM	1	12	21.08	21.04	21.26	21.08	21.34	23	1		
5	64QAM	1	24	21.09	21.34	21.15	21.32	21.19				
5	64QAM	12	0	20.53	20.24	20.79	20.27	20.39				
5	64QAM	12	7	20.34	20.29	20.11	20.32	20.50				
5	64QAM	12	13	20.12	20.14	20.20	20.34	20.48				
5	64QAM	25	0	20.63	20.01	20.62	20.13	20.39				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.42	19.24	19.07	19.46	19.46	20.7	0		
20	QPSK	1	49	19.28	19.23	19.47	19.28	19.45				
20	QPSK	1	99	19.18	19.20	19.34	19.26	19.32				
20	QPSK	50	0	19.45	19.29	19.53	19.42	19.49	20.7	0		
20	QPSK	50	24	19.43	19.27	19.46	19.38	19.25				
20	QPSK	50	50	19.39	19.12	19.35	19.38	19.48				
20	QPSK	100	0	19.32	19.20	19.34	19.29	19.29	20.7	0		
20	16QAM	1	0	19.29	19.06	19.31	19.29	19.37				
20	16QAM	1	49	19.45	19.15	19.43	19.39	19.55				
20	16QAM	1	99	19.29	19.31	19.55	19.46	19.54	20.7	0		
20	16QAM	50	0	19.36	19.11	19.51	19.38	19.37				
20	16QAM	50	24	19.32	19.23	19.30	19.45	19.39				
20	16QAM	50	50	19.36	19.27	19.43	19.53	19.45	20.7	0		
20	16QAM	100	0	19.33	19.14	19.44	19.39	19.20				
20	64QAM	1	0	19.03	18.95	19.09	19.03	19.24				
20	64QAM	1	49	19.11	18.91	19.31	19.17	19.26	20.7	0		
20	64QAM	1	99	19.32	19.00	19.26	19.13	19.26				
20	64QAM	50	0	19.25	19.13	19.41	19.42	19.56				
20	64QAM	50	24	19.34	19.20	19.44	19.42	19.52	20.7	0		
20	64QAM	50	50	19.40	19.18	19.56	19.40	19.56				
20	64QAM	100	0	19.26	19.14	19.42	19.50	19.55				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.35	19.21	19.51	19.41	19.42	20.7	0		
15	QPSK	1	37	19.25	19.19	19.44	19.21	19.41				
15	QPSK	1	74	19.14	19.14	19.27	19.19	19.25				
15	QPSK	36	0	19.39	19.22	19.46	19.35	19.46	20.7	0		
15	QPSK	36	20	19.38	19.21	19.41	19.35	19.18				
15	QPSK	36	39	19.36	19.06	19.29	19.35	19.42				
15	QPSK	75	0	19.29	19.17	19.30	19.25	19.24	20.7	0		
15	16QAM	1	0	19.22	19.03	19.27	19.24	19.31				
15	16QAM	1	37	19.40	19.12	19.39	19.36	19.48				
15	16QAM	1	74	19.22	19.25	19.51	19.42	19.51	20.7	0		
15	16QAM	36	0	19.33	19.07	19.44	19.32	19.34				
15	16QAM	36	20	19.28	19.16	19.26	19.36	19.36				
15	16QAM	36	39	19.32	19.21	19.38	19.50	19.38	20.7	0		
15	16QAM	75	0	19.30	19.11	19.41	19.33	19.16				
15	64QAM	1	0	19.00	18.92	19.04	19.00	19.20				
15	64QAM	1	37	19.05	18.94	19.27	19.12	19.21	20.7	0		
15	64QAM	1	74	18.98	18.94	19.21	19.06	19.21				
15	64QAM	36	0	19.21	19.10	19.36	19.35	19.50				
15	64QAM	36	20	19.30	19.16	19.39	19.37	19.46	20.7	0		
15	64QAM	36	39	19.37	19.13	19.49	19.37	19.51				
15	64QAM	75	0	19.23	19.08	19.35	19.47	19.48				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.39	19.17	19.51	19.40	19.42	20.7	0		
10	QPSK	1	25	19.24	19.16	19.40	19.24	19.36				
10	QPSK	1	49	19.13	19.15	19.27	19.19	19.28				
10	QPSK	25	0	19.38	19.24	19.50	19.35	19.43	20.7	0		
10	QPSK	25	12	19.36	19.21	19.41	19.31	19.20				
10	QPSK	25	25	19.34	19.06	19.29	19.33	19.41				
10	QPSK	50	0	19.26	19.16	19.30	19.26	19.25	20.7	0		
10	16QAM	1	0	19.25	19.03	19.27	19.23	19.33				
10	16QAM	1	25	19.38	19.11	19.40	19.33	19.52				
10	16QAM	1	49	19.26	19.25	19.50	19.43	19.51	20.7	0		
10	16QAM	25	0	19.31	19.07	19.46	19.35	19.30				
10	16QAM	25	12	19.26	19.18	19.25	19.41	19.35				
10	16QAM	25	25	19.33	19.23	19.37	19.47	19.40	20.7	0		
10	16QAM	50	0	19.30	19.10	19.38	19.33	19.16				
10	64QAM	1	0	19.50	18.92	19.04	19.96	19.21				
10	64QAM	1	25	19.04	18.95	19.24	19.11	19.21	20.7	0		
10	64QAM	1	49	18.95	18.93	19.23	19.10	19.20				
10	64QAM	25	0	19.22	19.08	19.36	19.36	19.51				
10	64QAM	25	12	19.29	19.14	19.38	19.38	19.47	20.7	0		
10	64QAM	25	25	19.35	19.14	19.52	19.35	19.51				
10	64QAM	50	0	19.20	19.00	19.37	19.44	19.50				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	19.37	19.18	19.53	19.42	19.42	20.7	0		
5	QPSK	1	12	19.21	19.20	19.40	19.21	19.39				
5	QPSK	1	24	19.15	19.13	19.27	19.19	19.26				
5	QPSK	12	0	19.40	19.23	19.46	19.35	19.43	20.7	0		
5	QPSK	12	7	19.37	19.22	19.41	19.33	19.21				
5	QPSK	12	13	19.34	19.07	19.32	19.33	19.45				
5	QPSK	25	0	19.25	19.17	19.30	19.23	19.26	20.7	0		
5	16QAM	1	0	19.25	19.02	19.28	19.23	19.30				
5	16QAM	1	12	19.41	19.08	19.37	19.34	19.52				
5	16QAM	1	24	19.26	19.24	19.48	19.41	19.51	20.7	0		
5	16QAM	12	0	19.31	19.08	19.44	19.35	19.30				
5	16QAM	12	7	19.28	19.17	19.25	19.42	19.34				
5	16QAM	12	13	19.29	19.23	19.39	19.47	19.39	20.7	0		
5	16QAM	25	0	19.30	19.08	19.38	19.35	19.17				
5	64QAM	1	0	18.97	18.90	19.06	18.98	19.19				
5	64QAM	1	12	19.06	18.94	19.27	19.12	19.22	20.7	0		
5	64QAM	1	24	18.98	18.97	19.20	19.06	19.21				
5	64QAM	12	0	19.18	19.10	19.38	19.39	19.52				
5	64QAM	12	7	19.27	19.16	19.36	19.37	19.45	20.7	0		
5	64QAM	12	13	19.36	19.13	19.49	19.34	19.52				
5	64QAM	25	0	19.19	19.10	19.37	19.46	19.48				

Band 41_Ant 3												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.49	23.33	23.53	23.38	23.50	24.5	0		
20	QPSK	1	49	23.30	23.31	23.41	23.27	23.28				
20	QPSK	1	99	23.21	23.31	23.36	23.21	23.24				
20	QPSK	50	0	22.36	22.34	22.53	22.35	22.36	23.5	1		
20	QPSK	50	24	22.36	22.34	22.53	22.32	22.35				
20	QPSK	50	50	22.36	22.32	22.29	22.32	22.33				
20	QPSK	100	0	22.36	22.36	22.49	22.40	22.42	23.5	1		
20	16QAM	1	0	22.53	22.30	22.55	22.39	22.51				
20	16QAM	1	49	22.38	22.42	22.37	22.42	22.39				
20	16QAM	1	99	22.45	22.42	22.46	22.45	22.43	23.5	1		
20	16QAM	50	0	21.48	21.36	21.47	21.37	21.48				
20	16QAM	50	24	21.43	21.38	21.36	21.43	21.42				
20	16QAM	50	50	21.35	21.37	21.39	21.30	21.32	22.5	2		
20	16QAM	100	0	21.46	21.30	21.52	21.40	21.54				
20	64QAM	1	0	21.22	21.07	21.29	21.14	21.32				
20	64QAM	1	49	21.16	21.12	21.10	21.08	21.11	22.5	2		
20	64QAM	1	99	21.21	21.22	21.20	21.21	21.23				
20	64QAM	50	0	20.41	20.30	20.30	20.32	20.46				
20	64QAM	50	24	20.44	20.43	20.37	20.41	20.38	21.5	3		
20	64QAM	50	50	20.29	20.30	20.34	20.34	20.27				
20	64QAM	100	0	20.42	20.23	20.47	20.37	20.40				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505.5	2548.1	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.20	23.46	23.26	23.42	23.5	1		
15	QPSK	1	37	23.17	23.23	23.30	23.32	23.31				
15	QPSK	1	74	23.16	23.28	23.34	23.16	23.14				
15	QPSK	36	0	22.35	22.26	22.43	22.39	22.42	23.5	1		
15	QPSK	36	20	22.33	22.29	22.37	22.25	22.20				
15	QPSK	36	39	22.26	22.18	22.32	22.24	22.27				
15	QPSK	75	0	22.32	22.31	22.42	22.34	22.49	23.5	1		
15	16QAM	1	0	22.44	22.26	22.47	22.29	22.27				
15	16QAM	1	37	22.33	22.38	22.22	22.27	22.25				
15	16QAM	1	74	22.32	22.31	22.33	22.35	22.28	22.5	2		
15	16QAM	36	0	21.43	21.27	21.51	21.42	21.37				
15	16QAM	36	20	21.32	21.29	21.31	21.30	21.32				
15	16QAM	36	39	21.24	21.27	21.31	21.17	21.24	22.5	2		
15	16QAM	75	0	21.41	21.20	21.40	21.33	21.43				
15	64QAM	1	0	21.09	21.02	21.18	21.06	21.22				
15	64QAM	1	37	21.08	21.06	21.28	21.07	21.08	22.5	2		
15	64QAM	1	74	21.09	21.12	21.12	21.18	21.14				
15	64QAM	36	0	20.28	20.23	20.38	20.37	20.32				
15	64QAM	36	20	20.35	20.37	20.28	20.26	20.30	21.5	3		
15	64QAM	36	39	20.17	20.25	20.23	20.24	20.19				
15	64QAM	75	0	20.35	20.08	20.42	20.27	20.31				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				250.41	2547.7	2593	2639	2685				
10	QPSK	1	0	23.35	23.35	23.48	23.28	23.43	23.5	0		
10	QPSK	1	25	23.20	23.24	23.37	23.25	23.20				
10	QPSK	1	49	23.22	23.29	23.26	23.13	23.09				
10	QPSK	25	0	22.30	22.19	22.42	22.38	22.39	23.5	1		
10	QPSK	25	12	22.24	22.25	22.35	22.25	22.25				
10	QPSK	25	25	22.26	22.19	22.32	22.20	22.22				
10	QPSK	50	0	22.26	22.32	22.43	22.30	22.35	23.5	1		
10	16QAM	1	0	22.50	22.17	22.43	22.29	22.27				
10	16QAM	1	25	22.28	22.36	22.23	22.34	22.27				
10	16QAM	1	49	22.38	22.39	22.43	22.40	22.29	22.5	2		
10	16QAM	25	0	21.39	21.21	21.42	21.43	21.41				
10	16QAM	25	12	21.33	21.24	21.26	21.37	21.35				
10	16QAM	25	25	21.26	21.32	21.30	21.18	21.22	22.5	2		
10	16QAM	50	0	21.31	21.16	21.32	21.29	21.27				
10	64QAM	1	0	21.17	20.96	21.18	21.07	21.48				
10	64QAM	1	25	21.03	21.05	20.99	21.05	21.06	22.5	2		
10	64QAM	1	49	21.08	21.07	21.09	21.10	21.19				
10	64QAM	25	0	20.31	20.23	20.44	20.37	20.43				
10	64QAM	25	12	20.37	20.30	20.27	20.29	20.31	21.5	3		
10	64QAM	25	25	20.22	20.17	20.21	20.28	20.19				
10	64QAM	50	0	20.27	20.09	20.35	20.28	20.38				
Channel				39575	40145	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.37	23.23	23.47	23.30	23.43	24.5	0		
5	QPSK	1	12	23.17	23.24	23.35	23.30	23.22				
5	QPSK	1	24	23.19	23.23	23.21	23.15	23.18				
5	QPSK	12	0	22.36	22.27	22.41	22.33	22.34	23.5	1		
5	QPSK	12	7	22.26	22.26	22.39	22.17	22.31				
5	QPSK	12	13	22.24	22.21	22.32	22.29	22.22				
5	16QAM	25	0	22.26	22.26	22.44	22.29	22.34	23.5	1		
5	16QAM	1	0	22.43	22.25	22.47	22.26	22.47				
5	16QAM	1	12	22.35	22.38	22.27	22.37	22.36				
5	16QAM	1	24	22.33	22.30	22.42	22.33	22.28	22.5	2		
5	16QAM	12	0	21.41	21.28	21.46	21.44	21.45				
5	16QAM	12	7	21.36	21.34	21.30	21.39	21.33				
5	16QAM	12	13	21.37	21.27	21.33	21.29	21.20	21.5	3		
5	16QAM	25	0	21.40	21.26	21.38	21.37	21.48				
5	64QAM	1	0	21.07	20.93	21.20	21.00	21.27				
5	64QAM	1	12	21.10	21.03	21.04	20.93	21.07	22.5	2		
5	64QAM	1	24	21.15	21.12	21.12	21.09	21.12				
5	64QAM	12	0	20.30	20.20	20.39	20.41	20.35				
5	64QAM	12	7	20.32	20.38	20.27	20.32	20.39	21.5	3		
5	64QAM	12	13	20.24	20.19	20.20	20.20	20.19				
5	64QAM	25	0	20.28	20.15	20.40	20.32	20.26				

GSM900_Ant 0		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		512	851	251	Limit (dBm)	512	851	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.70	32.74	32.72	33.50	23.70	23.74	23.72	24.50
GPRS 1 Tx slot		32.66	32.68	32.69	33.50	23.66	23.68	23.69	24.50
GPRS 2 Tx slots		30.19	30.14	30.22	30.50	24.19	24.14	24.22	24.50
GPRS 3 Tx slots		28.35	28.33	28.36	28.70	24.09	24.07	24.10	24.44
GPRS 4 Tx slots		26.53	26.56	26.52	27.50	23.53	23.56	23.52	24.50
EDGE 1 Tx slot		26.61	26.66	26.61	27.50	17.61	17.66	17.61	18.50
EDGE 2 Tx slots		23.65	23.67	23.64	24.50	17.65	17.67	17.64	18.50
EDGE 3 Tx slots		21.73	21.78	21.71	22.70	17.47	17.52	17.45	18.44
EDGE 4 Tx slots		20.94	20.97	20.86	21.50	17.94	17.97	17.86	18.50

GSM900_Ant 0		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		512	851	810	Limit (dBm)	512	851	810	Limit (dBm)
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		29.38	29.48	29.46	30.50	20.38	20.48	20.46	21.50
GPRS 1 Tx slot		29.35	29.44	29.42	30.50	20.35	20.44	20.42	21.50
GPRS 2 Tx slots		26.93	27.01	26.99	27.50	20.93	21.01	20.99	21.50
GPRS 3 Tx slots		25.14	25.26	25.22	25.70	20.88	21.00	20.96	21.44
GPRS 4 Tx slots		23.84	23.93	23.89	24.50	20.84	20.93	20.89	21.50
EDGE 1 Tx slot		26.55	26.66	26.56	26.50	16.75	16.86	16.66	17.50
EDGE 2 Tx slots		22.31	22.26	22.28	23.50	16.31	16.26	16.28	17.50
EDGE 3 Tx slots		20.02	19.91	19.97	21.70	15.76	15.65	15.71	17.44
EDGE 4 Tx slots		19.11	19.04	19.08	20.50	16.11	16.04	16.06	17.50

Band		WCDMA U_Ant 0			Tune-up	WCDMA U_Ant 2			Tune-up
TX Channel		9262	9400	9538	Limit (dBm)	9262	9400	9538	Limit (dBm)
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.78	23.82	23.66	24.50	23.86	23.95	23.81	25.00
3GPP Rel 99	RMC 12.2Kbps	23.84	23.89	23.71	24.50	24.02	24.07	23.93	25.00
3GPP Rel 6	HSDPA Subtest-1	22.75	22.93	22.86	23.50	22.98	23.18	23.16	24.00
3GPP Rel 6	HSDPA Subtest-2	22.99	22.88	22.87	23.50	23.15	23.05	23.09	24.00
3GPP Rel 6	HSDPA Subtest-3	22.17	22.33	22.27	23.00	22.64	22.51	22.57	23.50
3GPP Rel 6	HSDPA Subtest-4	22.35	22.47	22.30	23.00	22.52	22.80	22.80	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.01	22.89	22.95	23.50	23.13	23.19	23.18	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.76	22.96	22.83	23.50	23.10	23.19	23.00	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.37	22.45	22.33	23.00	22.63	22.76	22.63	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.27	22.47	22.30	23.00	22.50	22.72	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.85	22.89	22.84	23.50	23.15	23.18	23.15	24.00
3GPP Rel 6	HSUPA Subtest-2	20.77	21.02	21.00	21.50	21.00	21.34	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	21.96	21.95	21.82	22.50	22.15	22.23	22.05	23.00
3GPP Rel 6	HSUPA Subtest-4	20.82	20.84	20.91	21.50	20.99	21.04	21.06	22.00
3GPP Rel 6	HSUPA Subtest-5	22.95	23.03	22.89	23.50	23.25	23.22	23.10	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.21	20.55	20.33	21.00	20.59	20.81	20.59	21.50

Band		WCDMA V_Ant 0			Tune-up	WCDMA V_Ant 1			Tune-up
TX Channel		4132	4182	4233	Limit (dBm)	4132	4182	4233	Limit (dBm)
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		836.4	836.4	846.6		836.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.17	24.23	24.11	25.00	23.85	23.94	23.88	25.00
3GPP Rel 99	RMC 12.2Kbps	24.28	24.31	24.25	25.00	23.97	24.01	23.95	25.00
3GPP Rel 6	HSDPA Subtest-1	23.22	23.36	23.39	24.00	22.81	22.93	23.08	24.00
3GPP Rel 6	HSDPA Subtest-2	23.38	23.29	23.28	24.00	23.03	22.96	23.03	24.00
3GPP Rel 6	HSDPA Subtest-3	22.71	22.68	22.74	23.50	22.43	22.45	22.35	23.50
3GPP Rel 6	HSDPA Subtest-4	22.63	22.81	22.59	23.50	22.46	22.62	22.39	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.38	23.37	23.30	24.00	22.82	23.00	23.10	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.13	23.40	23.25	24.00	22.91	23.15	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.84	22.92	22.74	23.50	22.46	22.59	22.42	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.70	22.68	22.61	23.50	22.36	22.59	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.30	23.24	24.00	22.61	23.08	22.97	24.00
3GPP Rel 6	HSUPA Subtest-2	21.06	21.37	21.41	22.00	20.84	21.13	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	22.42	22.37	22.17	23.00	21.99	22.07	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	21.16	21.27	21.24	22.00	20.86	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.38	23.32	24.00	23.06	22.99	22.95	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.90	20.70	21.50	20.40	20.61	20.52	21.50

GSM900_Ant 1		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		126	189	251	Limit (dBm)	126	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.58	32.43	32.37	33.50	23.58	23.43	23.37	24.50
GPRS 1 Tx slot		32.56	32.41	32.34	33.50	23.56	23.41	23.34	24.50
GPRS 2 Tx slots		29.92	29.77	29.76	30.50	23.92	23.77	23.76	24.50
GPRS 3 Tx slots		28.07	27.96	27.93	28.70	23.81	23.70	23.67	24.44
GPRS 4 Tx slots		26.71	26.73	26.58	27.50	23.71	23.73	23.58	24.50
EDGE 1 Tx slot		26.23	26.31	26.27	27.50	17.23	17.31	17.27	18.00
EDGE 2 Tx slots		23.30	23.36	23.32	24.00	17.30	17.36	17.32	18.00
EDGE 3 Tx slots		21.44	21.42	21.38	22.20	17.18	17.16	17.12	17.94
EDGE 4 Tx slots		20.47	20.56	20.43	21.00	17.47	17.58	17.43	18.00

GSM900_Ant 2		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		512	851	810	Limit (dBm)	512	851	810	Limit (dBm)
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		29.40	29.55	29.51	30.50	20.40	20.56	20.51	21.50
GPRS 1 Tx slot		29.39	29.52	29.50	30.50	20.39	20.52	20.50	21.50
GPRS 2 Tx slots		26.95	27.05	27.02	27.50	20.95	21.05	21.02	21.50
GPRS 3 Tx slots		25.18	25.30	25.28	25.70	20.92	21.04	21.02	21.44
GPRS 4 Tx slots		23.86	23.97	23.89	24.50	20.86	20.97	20.95	21.50
EDGE 1 Tx slot		26.03	25.91	25.97	26.50	17.03	16.91	16.97	17.50
EDGE 2 Tx slots		22.66	22.38	22.53	23.50	16.66	16.38	16.53	17.50
EDGE 3 Tx slots		20.17	19.95	20.12	21.70	15.91	15.69	15.86	17.44
EDGE 4 Tx slots		19.32	19.24	19.31	20.50	16.32	16.24	16.31	17.50

Band		WCDMA U_Ant 0			Tune-up	WCDMA U_Ant 2			Tune-up
TX Channel		1312	1413	1513	Limit (dBm)	1312	1413	1513	Limit (dBm)
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.28	24.16	25.00	24.22	24.37	24.29	25.50
3GPP Rel 99	RMC 12.2Kbps	24.32	24.36	24.27	25.00	24.37	24.51	24.40	25.50
3GPP Rel 6	HSDPA Subtest-1	23.16	23.36	23.40	24.00	23.51	23.67	23.59	24.50
3GPP Rel 6	HSDPA Subtest-2	23.30	23.25	23.23	24.00	23.55	23.54	23.59	24.50
3GPP Rel 6	HSDPA Subtest-3	22.80	22.66	22.76	23.50	23.04	22.97	23.02	24.00
3GPP Rel 6	HSDPA Subtest-4	22.85	22.95	22.66	23.50	22.95	23.16	22.95	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.29	23.26	23.33	24.00	23.72	23.69	23.72	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.20	23.43	23.17	24.00	23.45	23.65	23.51	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	22.78	22.94	22.80	23.50	23.20	23.14	23.03	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.68	22.82	22.71	23.50	22.80	23.13	23.02	24.00
3GPP Rel 6	HSUPA Subtest-1	23.22	23.50	23.30	24.00	23.55	23.67	23.58	24.50
3GPP Rel 6	HSUPA Subtest-2	21.30	21.40	21.34	22.00	21.59	21.78	21.64	22.50
3GPP Rel 6	HSUPA Subtest-3	22.26	22.30	22.12	23.00	22.60	22.68	22.56	23.50
3GPP Rel 6	HSUPA Subtest-4	21.15	21.26	21.31	22.00	21.42	21.54	21.62	22.50
3GPP Rel 6	HSUPA Subtest-5	23.35	23.41	23.32	24.00	23.62	23.67	23.65	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.69	20.85	20.61	21.50	20.98	21.15	21.00	22.00

Band 2_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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.12	23.16	23.01	24	0	
20	QPSK	1	49	22.99	23.03	22.86			
20	QPSK	1	99	23.08	23.14	23.00	23	1	
20	QPSK	50	0	22.06	22.15	22.10			
20	QPSK	50	24	22.01	22.13	21.98	23	1	
20	QPSK	50	50	22.05	22.12	22.07			
20	QPSK	100	0	22.10	22.16	22.09	23	1	
20	16QAM	1	0	22.16	22.27	22.22			
20	16QAM	1	49	22.13	22.23	22.12	22	2	
20	16QAM	1	99	22.02	22.15	22.07			
20	16QAM	50	0	21.07	21.14	21.00	22	2	
20	16QAM	50	24	21.06	21.22	21.15			
20	16QAM	50	50	21.01	21.10	21.02	21	3	
20	16QAM	100	0	21.01	21.06	20.96			
20	64QAM	1	0	21.05	21.15	21.10	22	2	
20	64QAM	1	49	20.98	21.03	20.97			
20	64QAM	1	99	21.09	21.17	21.06	21	3	
20	64QAM	50	0	20.04	20.12	20.06			
20	64QAM	50	24	20.03	20.07	19.96	21	3	
20	64QAM	50	50	19.98	19.98	19.95			
20	64QAM	100	0	19.97	20.05	19.93			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.05	23.10	22.94	24	0	
15	QPSK	1	37	22.84	22.90	22.85			
15	QPSK	1	74	22.96	22.99	22.93	23	1	
15	QPSK	36	0	21.92	22.04	22.00			
15	QPSK	36	20	21.92	22.03	21.83	23	1	
15	QPSK	36	39	21.96	22.00	21.99			
15	QPSK	75	0	22.03	22.06	22.03	23	1	
15	16QAM	1	0	22.11	22.22	22.17			
15	16QAM	1	37	21.99	22.11	22.00	22	2	
15	16QAM	1	74	21.94	22.02	22.00			
15	16QAM	36	0	20.98	21.06	20.97	22	2	
15	16QAM	36	20	21.03	21.11	21.03			
15	16QAM	36	39	20.88	20.96	20.97	21	3	
15	16QAM	75	0	20.87	20.92	20.85			
15	64QAM	1	0	20.97	21.06	21.04	22	2	
15	64QAM	1	37	20.91	20.91	20.87			
15	64QAM	1	74	21.01	21.11	20.97	21	3	
15	64QAM	36	0	19.95	20.09	19.99			
15	64QAM	36	20	19.91	19.94	19.88	21	3	
15	64QAM	36	39	19.77	19.88	19.91			
15	64QAM	75	0	19.88	19.94	19.90			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	22.98	23.05	22.96	24	0	
10	QPSK	1	25	22.97	22.96	22.79			
10	QPSK	1	49	23.03	23.09	22.96	23	1	
10	QPSK	25	0	22.02	22.06	21.97			
10	QPSK	25	12	21.97	22.07	21.87	23	1	
10	QPSK	25	25	22.02	21.98	21.99			
10	QPSK	50	0	21.99	22.05	22.01	23	1	
10	16QAM	1	0	22.05	22.16	22.07			
10	16QAM	1	25	22.05	22.10	22.08	22	2	
10	16QAM	1	49	21.98	22.08	22.02			
10	16QAM	25	0	21.03	21.08	20.85	22	2	
10	16QAM	25	12	20.94	21.13	21.09			
10	16QAM	25	25	20.93	20.96	20.94	22	2	
10	16QAM	50	0	20.91	21.05	20.91			
10	64QAM	1	0	21.11	21.07	21.07	22	2	
10	64QAM	1	25	20.90	20.95	20.91			
10	64QAM	1	49	21.01	21.05	21.01	21	3	
10	64QAM	25	0	19.92	20.04	20.01			
10	64QAM	25	12	19.95	20.02	19.91	21	3	
10	64QAM	25	25	19.76	19.80	19.86			
10	64QAM	50	0	19.82	19.96	19.89			
Channel				18585	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.07	23.04	22.87	24	0	
5	QPSK	1	12	22.95	22.97	22.82			
5	QPSK	1	24	22.95	23.09	22.93	23	1	
5	QPSK	12	0	21.95	22.06	22.06			
5	QPSK	12	7	21.90	22.10	21.89	23	1	
5	QPSK	12	13	21.90	22.07	21.93			
5	QPSK	25	0	21.96	22.06	22.04	23	1	
5	16QAM	1	0	22.13	22.22	22.17			
5	16QAM	1	12	22.09	22.10	22.02	22	2	
5	16QAM	1	24	21.91	22.07	21.95			
5	16QAM	12	0	21.02	21.05	20.91	22	2	
5	16QAM	12	7	21.00	21.12	21.08			
5	16QAM	12	13	20.88	21.00	20.92	21	3	
5	16QAM	25	0	20.86	20.91	20.86			
5	64QAM	1	0	21.01	21.03	20.99	22	2	
5	64QAM	1	12	20.91	20.94	20.89			
5	64QAM	1	24	21.00	21.08	20.97	21	3	
5	64QAM	12	0	19.90	20.03	20.01			
5	64QAM	12	7	19.95	19.99	19.93	21	3	
5	64QAM	12	13	19.77	19.95	19.83			
5	64QAM	25	0	19.85	19.96	19.82			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	23.06	23.08	22.89	24	0	
3	QPSK	1	8	22.91	22.96	22.78			
3	QPSK	1	14	22.97	23.07	22.86	23	1	
3	QPSK	8	0	21.92	22.03	21.97			
3	QPSK	8	4	21.88	22.00	21.86	23	1	
3	QPSK	8	7	21.97	22.03	21.97			
3	QPSK	15	0	21.99	22.02	22.01	23	1	
3	16QAM	1	0	22.05	22.14	22.16			
3	16QAM	1	8	22.10	22.09	22.04	22	2	
3	16QAM	1	14	21.99	22.09	22.01			
3	16QAM	8	0	20.98	21.05	20.90	22	2	
3	16QAM	8	4	20.98	21.19	21.02			
3	16QAM	8	7	20.90	21.06	20.95	22	2	
3	16QAM	15	0	20.89	21.01	20.93			
3	64QAM	1	0	20.91	21.04	20.95	22	2	
3	64QAM	1	8	20.93	20.92	20.86			
3	64QAM	1	14	20.97	21.08	20.91	21	3	
3	64QAM	8	0	19.93	20.03	20.01			
3	64QAM	8	4	19.91	19.93	19.87	21	3	
3	64QAM	8	7	19.79	19.91	19.81			
3	64QAM	15	0	19.93	19.94	19.87			
Channel				18597	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	23.05	23.04	22.91	24	0	
1.4	QPSK	1	3	22.86	22.90	22.82			
1.4	QPSK	1	5	22.90	23.01	22.87	23	1	
1.4	QPSK	3	0	22.91	23.03	23.00			
1.4	QPSK	3	1	22.95	23.05	22.88	23	1	
1.4	QPSK	3	3	22.96	23.07	23.01			
1.4	QPSK	6	0	22.07	22.07	22.03	23	1	
1.4	16QAM	1	0	22.02	22.17	22.18			
1.4	16QAM	1	3	22.02	22.18	22.08	23	1	
1.4	16QAM	1	5	21.93	22.09	22.03			
1.4	16QAM	3	0	21.97	22.04	21.96	22	2	
1.4	16QAM	3	1	21.95	22.15	22.08			
1.4	16QAM	3	3	21.94	22.05	21.98	22	2	
1.4	64QAM	1	0	21.02	21.08	21.05			
1.4	64QAM	1	3	21.02	21.06	20.85	22	2	
1.4	64QAM	1	5	21.01	21.14	20.93			
1.4	64QAM	3	0	20.94	21.06	21.00	22	2	
1.4	64QAM	3	1	20.98	21.10	20.93			
1.4	64QAM	3	3	20.82	20.86	20.83	21	3	
1.4	64QAM	6	0	19.85	19.94	19.83			

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	22.26	22.38	22.31	23.6	0			
20	QPSK	1	49	22.20	22.23	22.26					
20	QPSK	1	99	22.21	22.21	22.13					
20	QPSK	50	0	22.23	22.33	22.28					
20	QPSK	50	24	22.21	22.24	22.27	23.6	0			
20	QPSK	50	50	22.22	22.25	22.21					
20	QPSK	100	0	22.09	22.26	22.25					
20	16QAM	1	0	22.35	22.33	22.17					
20	16QAM	1	49	22.21	22.21	22.27	23.6	0			
20	16QAM	1	99	22.30	22.30	22.35					
20	16QAM	50	0	21.55	21.83	21.76					
20	16QAM	50	24	21.75	21.77	21.76					
20	16QAM	50	50	21.72	21.73	21.80	23.1	0.5			
20	16QAM	100	0	21.63	21.69	21.74					
20	64QAM	1	0	21.83	21.83	21.84					
20	64QAM	1	49	21.85	21.87	21.90					
20	64QAM	1	99	21.72	21.64	21.80	23.1	0.5			
20	64QAM	50	0	20.55	20.85	20.71					
20	64QAM	50	24	20.75	20.76	20.76					
20	64QAM	50	50	20.69	20.71	20.76					
20	64QAM	100	0	20.62	20.68	20.75	22.1	1.5			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	22.16	22.31	22.25	23.6	0			
15	QPSK	1	37	22.18	22.14	22.25					
15	QPSK	1	74	22.05	21.97	22.08					
15	QPSK	36	0	22.15	22.29	22.21					
15	QPSK	36	20	22.12	22.13	22.22	23.6	0			
15	QPSK	36	39	22.17	22.16	22.20					
15	QPSK	75	0	22.02	22.25	22.18					
15	16QAM	1	0	22.30	22.31	22.16					
15	16QAM	1	37	22.12	22.23	22.16	23.6	0			
15	16QAM	1	74	22.23	22.23	22.23					
15	16QAM	36	0	21.45	21.62	21.72					
15	16QAM	36	20	21.71	21.70	21.72					
15	16QAM	36	39	21.65	21.62	21.71	23.1	0.5			
15	16QAM	75	0	21.60	21.57	21.65					
15	64QAM	1	0	21.75	21.71	21.72					
15	64QAM	1	37	21.81	21.79	21.85					
15	64QAM	1	74	21.69	21.62	21.71	22.1	1.5			
15	64QAM	36	0	20.52	20.73	20.64					
15	64QAM	36	20	20.65	20.73	20.64					
15	64QAM	36	39	20.57	20.61	20.72					
15	64QAM	75	0	20.53	20.62	20.74					
Channel				20000	20175	20350	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	22.17	22.34	22.29	23.6	0			
10	QPSK	1	25	22.16	22.19	22.22					
10	QPSK	1	49	21.94	22.03	22.06					
10	QPSK	25	0	22.19	22.30	22.27					
10	QPSK	25	12	22.11	22.18	22.23	23.6	0			
10	QPSK	25	25	22.19	22.21	22.19					
10	QPSK	50	0	22.00	22.21	22.13					
10	16QAM	1	0	22.33	22.26	22.11					
10	16QAM	1	25	22.16	22.24	22.24	23.6	0			
10	16QAM	1	49	22.27	22.22	22.26					
10	16QAM	25	0	21.44	21.75	21.75					
10	16QAM	25	12	21.65	21.65	21.75					
10	16QAM	25	25	21.68	21.68	21.75	23.1	0.5			
10	16QAM	50	0	21.59	21.61	21.63					
10	64QAM	1	0	21.73	21.78	21.71					
10	64QAM	1	25	21.82	21.86	21.81					
10	64QAM	1	49	21.64	21.60	21.79	23.1	0.5			
10	64QAM	25	0	20.54	20.82	20.70					
10	64QAM	25	12	20.63	20.74	20.75					
10	64QAM	25	25	20.59	20.68	20.74					
10	64QAM	50	0	20.54	20.68	20.71	22.1	1.5			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	22.20	22.36	22.27	23.6	0			
5	QPSK	1	12	22.17	22.14	22.24					
5	QPSK	1	24	22.00	21.95	22.02					
5	QPSK	12	0	22.17	22.21	22.23					
5	QPSK	12	7	22.18	22.23	22.24	23.6	0			
5	QPSK	12	13	22.12	22.10	22.10					
5	QPSK	25	0	22.05	22.17	22.16					
5	16QAM	1	0	22.26	22.22	22.08					
5	16QAM	1	12	22.16	22.22	22.15	23.6	0			
5	16QAM	1	24	22.18	22.18	22.25					
5	16QAM	12	0	21.45	21.82	21.85					
5	16QAM	12	7	21.74	21.72	21.72					
5	16QAM	12	13	21.63	21.66	21.79	23.1	0.5			
5	16QAM	25	0	21.58	21.64	21.69					
5	64QAM	1	0	21.76	21.72	21.75					
5	64QAM	1	12	21.83	21.84	21.84					
5	64QAM	1	24	21.68	21.53	21.78	23.1	0.5			
5	64QAM	12	0	20.46	20.76	20.64					
5	64QAM	12	7	20.74	20.73	20.71					
5	64QAM	12	13	20.65	20.70	20.74					
5	64QAM	25	0	20.58	20.56	20.72	22.1	1.5			
Channel				19965 <th>20175</th> <th>20385</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20385	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	22.23	22.30	22.23	23.6	0			
3	QPSK	1	8	22.17	22.19	22.21					
3	QPSK	1	14	22.01	21.96	22.09					
3	QPSK	8	0	22.15	22.27	22.27					
3	QPSK	8	4	22.20	22.18	22.20	23.6	0			
3	QPSK	8	7	22.12	22.15	22.22					
3	QPSK	15	0	21.97	22.14	22.22					
3	16QAM	1	0	22.27	22.25	22.12					
3	16QAM	1	8	22.20	22.24	22.25	23.6	0			
3	16QAM	1	14	22.20	22.20	22.33					
3	16QAM	8	0	21.52	21.71	21.73					
3	16QAM	8	4	21.64	21.73	21.69					
3	16QAM	8	7	21.60	21.67	21.78	23.1	0.5			
3	16QAM	15	0	21.54	21.61	21.72					
3	64QAM	1	0	21.77	21.82	21.83					
3	64QAM	1	8	21.83	21.79	21.79					
3	64QAM	1	14	21.66	21.55	21.70	23.1	0.5			
3	64QAM	8	0	20.54	20.79	20.59					
3	64QAM	8	4	20.72	20.65	20.69					
3	64QAM	8	7	20.62	20.66	20.74					
3	64QAM	15	0	20.61	20.56	20.69	22.1	1.5			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710.7	1729.5	1754.3					
1.4	QPSK	1	0	22.16	22.33	22.19	23.6	0			
1.4	QPSK	1	3	22.14	22.11	22.17					
1.4	QPSK	1	5	22.04	21.97	22.07					
1.4	QPSK	3	0	22.14	22.22	22.22					
1.4	QPSK	3	1	22.14	22.16	22.20	23.6	0			
1.4	QPSK	3	3	22.17	22.22	22.14					
1.4	QPSK	6	0	22.00	22.15	22.22					
1.4	16QAM	1	0	22.32	22.23	22.10					
1.4	16QAM	1	3	22.18	22.24	22.26	23.6	0			
1.4	16QAM	1	5	22.27	22.29	22.24					
1.4	16QAM	3	0	22.22	22.22	22.07					
1.4	16QAM	3	1	22.13	22.22	22.15					
1.4	16QAM	3	1	22.23	22.20	22.23	23.1	0.5			
1.4	16QAM	6	0	21.54	21.60	21.64					
1.4	64QAM	1	0	21.77	21.79	21.81					
1.4	64QAM	1	3	21.78	21.76	21.86					
1.4	64QAM	1	5	21.66	21.57	21.78	23.1	0.5			
1.4	64QAM	3	0	21.73	21.71	21.78					
1.4	64QAM	3	1	21.74	21.71	21.78					
1.4	64QAM	3	3	21.64	21.50	21.71					
1.4	64QAM	6	0	20.55	20.59	20.67	22.1	1.5			

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	25.5	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.39	24.44	24.41			
10	QPSK	1	25	24.37	24.42	24.34			
10	QPSK	1	49	24.24	24.36	24.32	24.5	1	
10	QPSK	25	0	23.30	23.39	23.35			
10	QPSK	25	12	23.27	23.32	23.21			
10	QPSK	25	25	23.18	23.30	23.20			
10	QPSK	50	0	23.22	23.32	23.22	24.5	1	
10	16QAM	1	0	23.43	23.52	23.48			
10	16QAM	1	25	23.31	23.38	23.34			
10	16QAM	1	49	23.33	23.38	23.37			
10	16QAM	25	0	22.33	22.36	22.31	23.5	2	
10	16QAM	25	12	22.19	22.25	22.20			
10	16QAM	25	25	22.24	22.29	22.19			
10	16QAM	50	0	22.23	22.35	22.28			
10	64QAM	1	0	22.34	22.47	22.41	23.5	2	
10	64QAM	1	25	22.17	22.32	22.30			
10	64QAM	1	49	22.20	22.38	22.35			
10	64QAM	25	0	21.28	21.37	21.34			
10	64QAM	25	12	21.15	21.24	21.22	22.5	3	
10	64QAM	25	25	21.17	21.26	21.29			
10	64QAM	50	0	21.35	21.30	21.28			
Channel				20425	20525	20625	25.5	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.26	24.32	24.29			
5	QPSK	1	12	24.23	24.37	24.20			
5	QPSK	1	24	24.17	24.25	24.20	24.5	1	
5	QPSK	12	0	23.16	23.32	23.25			
5	QPSK	12	7	23.17	23.23	23.13			
5	QPSK	12	13	23.03	23.22	23.13			
5	QPSK	25	0	23.17	23.28	23.09	24.5	1	
5	16QAM	1	0	23.34	23.38	23.41			
5	16QAM	1	12	23.28	23.29	23.22			
5	16QAM	1	24	23.20	23.27	23.29			
5	16QAM	12	0	22.22	22.25	22.26	23.5	2	
5	16QAM	12	7	22.10	22.22	22.14			
5	16QAM	12	13	22.20	22.14	22.11			
5	16QAM	25	0	22.16	22.26	22.16			
5	64QAM	1	0	22.30	22.36	22.37	23.5	2	
5	64QAM	1	12	22.12	22.22	22.19			
5	64QAM	1	24	22.11	22.26	22.29			
5	64QAM	12	0	21.22	21.32	21.25			
5	64QAM	12	7	21.04	21.19	21.17	22.5	3	
5	64QAM	12	13	21.02	21.22	21.25			
5	64QAM	25	0	21.28	21.17	21.18			
Channel				20415	20525	20635	25.5	0	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.32	24.30	24.32			
3	QPSK	1	8	24.30	24.37	24.21			
3	QPSK	1	14	24.12	24.29	24.22	24.5	1	
3	QPSK	8	0	23.22	23.32	23.25			
3	QPSK	8	4	23.15	23.18	23.14			
3	QPSK	8	7	23.14	23.23	23.05			
3	QPSK	15	0	23.18	23.24	23.11	24.5	1	
3	16QAM	1	0	23.35	23.49	23.38			
3	16QAM	1	8	23.24	23.29	23.20			
3	16QAM	1	14	23.24	23.25	23.33			
3	16QAM	8	0	22.21	22.21	22.20	23.5	2	
3	16QAM	8	4	22.10	22.21	22.07			
3	16QAM	8	7	22.13	22.15	22.13			
3	16QAM	15	0	22.11	22.30	22.15			
3	64QAM	1	0	22.29	22.32	22.30	23.5	2	
3	64QAM	1	8	22.12	22.24	22.20			
3	64QAM	1	14	22.12	22.31	22.24			
3	64QAM	8	0	21.17	21.33	21.25			
3	64QAM	8	4	21.02	21.10	21.13	22.5	3	
3	64QAM	8	7	21.05	21.13	21.16			
3	64QAM	15	0	21.30	21.23	21.15			
Channel				20407	20525	20543	25.5	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.25	24.31	24.38			
1.4	QPSK	1	3	24.32	24.27	24.25			
1.4	QPSK	1	5	24.11	24.30	24.22	24.5	1	
1.4	QPSK	3	0	24.21	24.24	24.22			
1.4	QPSK	3	1	24.12	24.13	24.12			
1.4	QPSK	3	3	24.08	24.18	24.04			
1.4	QPSK	6	0	23.10	23.17	23.18	24.5	1	
1.4	16QAM	1	0	23.33	23.44	23.43			
1.4	16QAM	1	3	23.27	23.34	23.30			
1.4	16QAM	1	5	23.27	23.31	23.22			
1.4	16QAM	3	0	23.16	23.25	23.15	23.5	2	
1.4	16QAM	3	1	23.01	23.17	23.09			
1.4	16QAM	3	3	23.06	23.17	23.08			
1.4	16QAM	6	0	22.08	22.24	22.18			
1.4	64QAM	1	0	22.27	22.33	22.34	23.5	2	
1.4	64QAM	1	3	22.11	22.28	22.21			
1.4	64QAM	1	5	22.12	22.32	22.21			
1.4	64QAM	3	0	22.11	22.23	22.25			
1.4	64QAM	3	1	21.98	22.07	22.04	22.5	3	
1.4	64QAM	3	3	22.03	22.18	22.15			
1.4	64QAM	6	0	21.31	21.16	21.21			

Band 5_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				20450	20525	20600	25.4	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.95	24.11	24.01	25.4	0	
10	QPSK	1	25	23.93	24.02	23.88			
10	QPSK	1	49	23.95	24.07	23.95			
10	QPSK	25	0	22.95	22.98	22.90			
10	QPSK	25	12	22.79	22.92	22.79	24.4	1	
10	QPSK	25	25	22.94	22.98	22.91			
10	QPSK	50	0	22.91	22.94	22.82	24.4	1	
10	16QAM	1	0	23.14	23.24	23.21			
10	16QAM	1	25	23.17	23.10	23.16			
10	16QAM	1	49	23.14	23.10	23.06			
10	16QAM	25	0	21.84	21.90	21.96	23.4	2	
10	16QAM	25	12	21.75	21.70	21.73			
10	16QAM	25	25	21.69	21.67	21.75	23.4	2	
10	16QAM	50	0	21.95	21.93	21.87			
10	64QAM	1	0	22.10	22.14	22.02			
10	64QAM	1	25	21.93	22.00	21.93			
10	64QAM	1	49	22.01	21.93	21.91	23.4	2	
10	64QAM	25	0	21.01	20.92	20.86			
10	64QAM	25	12	20.74	20.73	20.76	22.4	3	
10	64QAM	25	25	20.75	20.82	20.77			
10	64QAM	50	0	20.95	20.91	20.99			
Channel				20425	20525	20625	25.4	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.87	24.02	23.95	25.4	0	
5	QPSK	1	12	23.83	23.94	23.75			
5	QPSK	1	24	23.85	24.01	23.82			
5	QPSK	12	0	22.92	22.87	22.76			
5	QPSK	12	7	22.75	22.80	22.67	24.4	1	
5	QPSK	12	13	22.85	22.89	22.86			
5	QPSK	25	0	22.85	22.89	22.78			
5	16QAM	1	0	23.02	23.12	23.11			
5	16QAM	1	12	23.12	23.02	23.13	24.4	1	
5	16QAM	1	24	22.99	22.97	22.99			
5	16QAM	12	0	21.76	21.85	21.91	23.4	2	
5	16QAM	12	7	21.68	21.59	21.68			
5	16QAM	12	13	21.55	21.53	21.66			
5	16QAM	25	0	21.81	21.90	21.76			
5	64QAM	1	0	22.03	22.10	21.95	23.4	2	
5	64QAM	1	12	21.99	21.94	21.89			
5	64QAM	1	24	21.98	21.81	21.85			
5	64QAM	12	0	20.87	20.85	20.77			
5	64QAM	12	7	20.70	20.63	20.71	22.4	3	
5	64QAM	12	13	20.64	20.75	20.66			
5	64QAM	25	0	20.89	20.77	20.92			
Channel				826.5	836.5	846.5			
Frequency (MHz)				826.5	836.5	846.5			
3	QPSK	1	0	23.90	24.01	23.94	25.4	0	
3	QPSK	1	8	23.88	23.94	23.79			
3	QPSK	1	14	23.88	24.03	23.91			
3	QPSK	8	0	22.87	22.86	22.87			
3	QPSK	8	4	22.89	22.78	22.68	24.4	1	
3	QPSK	8	7	22.88	22.86	22.81			
3	QPSK	15	0	22.79	22.81	22.74			
3	16QAM	1	0	23.09	23.20	23.15			
3	16QAM	1	8	23.04	23.05	23.02	24.4	1	
3	16QAM	1	14	23.03	23.03	22.95			
3	16QAM	8	0	21.75	21.77	21.81	23.4	2	
3	16QAM	8	4	21.60	21.61	21.66			
3	16QAM	8	7	21.60	21.59	21.72			
3	16QAM	15	0	21.86	21.86	21.87			
3	64QAM	1	0	21.99	22.10	21.95	23.4	2	
3	64QAM	1	8	21.87	21.91	21.88			
3	64QAM	1	14	21.97	21.79	21.78			
3	64QAM	8	0	20.93	20.82	20.80			
3	64QAM	8	4	20.59	20.60	20.68	22.4	3	
3	64QAM	8	7	20.59	20.59	20.65			
3	64QAM	15	0	20.88	20.82	20.90			
Channel				20407 <th>20525</th> <th>20643</th> <th rowspan="2">25.4</th> <th rowspan="2">0</th> <th rowspan="2"></th>	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.82	23.98	23.96	25.4	0	
1.4	QPSK	1	3	23.83	23.93	23.80			
1.4	QPSK	1	5	23.89	24.02	23.88			
1.4	QPSK	3	0	23.87	23.85	23.86			
1.4	QPSK	3	1	23.69	23.79	23.71	24.4	1	
1.4	QPSK	3	3	23.85	23.87	23.82			
1.4	QPSK	6	0	22.78	22.88	22.70			
1.4	16QAM	1	0	23.01	23.14	23.07			
1.4	16QAM	1	3	23.11	22.97	23.06	24.4	1	
1.4	16QAM	1	5	23.04	23.02	22.92			
1.4	16QAM	3	0	22.72	22.82	22.82			
1.4	16QAM	3	3	22.69	22.58	22.60			
1.4	16QAM	3	3	22.58	22.56	22.70	23.4	2	
1.4	16QAM	6	0	21.81	21.90	21.84			
1.4	64QAM	1	0	21.96	22.00	21.91			
1.4	64QAM	1	3	21.90	21.87	21.79			
1.4	64QAM	1	5	21.96	21.78	21.84	23.4	2	
1.4	64QAM	3	1	21.93	21.84	21.85			
1.4	64QAM	3	1	21.68	21.89	21.82			
1.4	64QAM	3	3	21.61	21.79	21.70			
1.4	64QAM	6	0	20.91	20.97	20.91	22.4	3	

Band 7_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				20850	21100	21350	24	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.47	23.63	23.92			
20	QPSK	1	49	23.41	23.49	23.45			
20	QPSK	1	99	23.46	23.36	23.49	24	0	
20	QPSK	50	0	23.41	23.54	23.48			
20	QPSK	50	24	23.31	23.45	23.38			
20	QPSK	50	50	23.31	23.37	23.41			
20	QPSK	100	0	23.52	23.53	23.36	24	0	
20	16QAM	1	0	23.23	23.35	23.28			
20	16QAM	1	49	23.23	23.27	23.21			
20	16QAM	1	99	23.22	23.32	23.17			
20	16QAM	50	0	23.02	23.15	22.96	23.5	0.5	
20	16QAM	50	24	23.15	23.13	22.93			
20	16QAM	50	50	23.21	23.18	22.95			
20	16QAM	100	0	23.15	22.96	22.94			
20	64QAM	1	0	22.94	23.24	23.1	23.5	0.5	
20	64QAM	1	49	23.15	23.4	23.25			
20	64QAM	1	99	22.99	23.3	23.11			
20	64QAM	50	0	22.01	22.11	21.96			
20	64QAM	50	24	22.1	21.99	21.86	22.5	1.5	
20	64QAM	50	50	22.2	22.02	21.91			
20	64QAM	100	0	22.07	22.01	21.92			
Channel				20825	21100	21375	24	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.37	23.55	23.43			
15	QPSK	1	37	23.36	23.47	23.44			
15	QPSK	1	74	23.40	23.28	23.48	24	0	
15	QPSK	36	0	23.34	23.46	23.46			
15	QPSK	36	20	23.19	23.37	23.29			
15	QPSK	36	36	23.23	23.31	23.39			
15	QPSK	75	0	23.49	23.43	23.35	24	0	
15	16QAM	1	0	23.22	23.33	23.26			
15	16QAM	1	37	23.17	23.16	23.10			
15	16QAM	1	74	23.10	23.29	23.05			
15	16QAM	36	0	23.30	23.15	22.85	23.5	0.5	
15	16QAM	36	20	23.12	23.06	22.82			
15	16QAM	36	39	23.17	23.17	22.91			
15	16QAM	75	0	23.13	22.86	22.90			
15	64QAM	1	0	22.92	23.23	23.08	23.5	0.5	
15	64QAM	1	37	23.09	23.33	23.22			
15	64QAM	1	74	22.94	23.26	23.07			
15	64QAM	36	0	21.95	22.09	21.92			
15	64QAM	36	20	21.99	21.93	21.74	22.5	1.5	
15	64QAM	36	39	22.08	21.90	21.87			
15	64QAM	75	0	22.06	21.99	21.81			
Channel				20800	21100	21400	24	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.45	23.59	23.44			
10	QPSK	1	25	23.39	23.43	23.39			
10	QPSK	1	49	23.41	23.26	23.37	24	0	
10	QPSK	25	0	23.34	23.48	23.43			
10	QPSK	25	12	23.23	23.33	23.26			
10	QPSK	25	25	23.29	23.30	23.30			
10	QPSK	50	0	23.45	23.47	23.31	24	0	
10	16QAM	1	0	23.13	23.24	23.16			
10	16QAM	1	25	23.22	23.20	23.09			
10	16QAM	1	49	23.15	23.25	23.16			
10	16QAM	25	0	22.94	23.09	22.92	23.5	0.5	
10	16QAM	25	12	23.03	23.06	22.82			
10	16QAM	25	25	23.20	23.16	22.93			
10	16QAM	50	0	23.08	22.91	22.86			
10	64QAM	1	0	22.82	23.16	22.99	23.5	0.5	
10	64QAM	1	25	23.05	23.37	23.23			
10	64QAM	1	49	22.91	23.26	23.09			
10	64QAM	25	0	21.91	22.06	21.84			
10	64QAM	25	12	22.01	21.92	21.79	22.5	1.5	
10	64QAM	25	25	22.08	21.96	21.88			
10	64QAM	50	0	22.05	21.99	21.89			
Channel				20775	21100	21425	24	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.36	23.55	23.41			
5	QPSK	1	12	23.34	23.42	23.41			
5	QPSK	1	24	23.38	23.30	23.39	24	0	
5	QPSK	12	0	23.36	23.53	23.44			
5	QPSK	12	7	23.28	23.35	23.32			
5	QPSK	12	13	23.23	23.31	23.40			
5	QPSK	25	0	23.47	23.49	23.30	24	0	
5	16QAM	1	0	23.20	23.23	23.24			
5	16QAM	1	12	23.12	23.15	23.11			
5	16QAM	1	24	23.19	23.21	23.15			
5	16QAM	12	0	22.97	23.10	22.86	23.5	0.5	
5	16QAM	12	7	23.05	23.09	22.84			
5	16QAM	12	13	23.18	23.16	22.85			
5	16QAM	25	0	23.14	22.86	22.85			
5	64QAM	1	0	22.88	23.12	22.99	23.5	0.5	
5	64QAM	1	12	23.08	23.38	23.21			
5	64QAM	1	24	22.91	23.24	23.00			
5	64QAM	12	0	21.89	22.10	21.91			
5	64QAM	12	7	22.03	21.87	21.74	22.5	1.5	
5	64QAM	12	13	22.16	21.97	21.89			
5	64QAM	25	0	22.05	21.98	21.90			

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	21.53	21.59	21.46	22.2	0	
20	QPSK	1	49	21.48	21.57	21.41			
20	QPSK	1	99	21.42	21.50	21.37			
20	QPSK	50	0	21.50	21.56	21.43			
20	QPSK	50	24	21.46	21.51	21.41	22.2	0	
20	QPSK	50	50	21.43	21.52	21.30			
20	QPSK	100	0	21.48	21.54	21.39			
20	16QAM	1	0	21.52	21.58	21.43			
20	16QAM	1	49	21.54	21.58	21.37	22.2	0	
20	16QAM	1	99	21.50	21.53	21.34			
20	16QAM	50	0	21.43	21.54	21.41			
20	16QAM	50	24	21.43	21.53	21.31			
20	16QAM	50	50	21.54	21.57	21.44	22.2	0	
20	16QAM	100	0	21.41	21.46	21.25			
20	64QAM	1	0	21.40	21.46	21.27			
20	64QAM	1	49	21.45	21.49	21.36			
20	64QAM	1	99	21.45	21.46	21.37	22.2	0	
20	64QAM	50	0	20.92	21.01	20.81			
20	64QAM	50	24	20.97	21.00	20.83			
20	64QAM	50	50	20.91	21.03	20.83			
20	64QAM	100	0	20.88	20.96	20.80	21.7	0.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.43	21.50	21.35			22.2
15	QPSK	1	37	21.39	21.53	21.33			
15	QPSK	1	74	21.38	21.38	21.32			
15	QPSK	36	0	21.42	21.49	21.39			
15	QPSK	36	20	21.43	21.47	21.38	22.2	0	
15	QPSK	36	39	21.35	21.47	21.24			
15	QPSK	75	0	21.43	21.50	21.33			
15	16QAM	1	0	21.46	21.55	21.32			
15	16QAM	1	37	21.48	21.46	21.28	22.2	0	
15	16QAM	1	74	21.44	21.45	21.27			
15	16QAM	36	0	21.39	21.43	21.36			
15	16QAM	36	20	21.35	21.49	21.24			
15	16QAM	36	39	21.44	21.51	21.34	22.2	0	
15	16QAM	75	0	21.32	21.38	21.27			
15	64QAM	1	0	21.35	21.38	21.22			
15	64QAM	1	37	21.42	21.47	21.29			
15	64QAM	1	74	21.39	21.42	21.33	22.2	0	
15	64QAM	36	0	20.81	20.89	20.73			
15	64QAM	36	20	20.92	20.94	20.71			
15	64QAM	36	39	20.84	20.93	20.79			
15	64QAM	75	0	20.78	20.88	20.74	21.7	0.5	
Channel				20800	21100	21400			
Frequency (MHz)				2502.5	2535	2567.5			
10	QPSK	1	0	21.41	21.55	21.42			22.2
10	QPSK	1	25	21.43	21.46	21.35			
10	QPSK	1	49	21.38	21.46	21.30			
10	QPSK	25	0	21.46	21.51	21.38			
10	QPSK	25	12	21.42	21.39	21.30	22.2	0	
10	QPSK	25	25	21.39	21.47	21.26			
10	QPSK	50	0	21.42	21.51	21.33			
10	16QAM	1	0	21.44	21.46	21.40			
10	16QAM	1	25	21.49	21.51	21.35	22.2	0	
10	16QAM	1	49	21.39	21.48	21.31			
10	16QAM	25	0	21.36	21.48	21.29			
10	16QAM	25	12	21.32	21.49	21.20			
10	16QAM	25	25	21.43	21.50	21.34	22.2	0	
10	16QAM	50	0	21.36	21.46	21.13			
10	64QAM	1	0	21.32	21.40	21.16			
10	64QAM	1	25	21.38	21.46	21.32			
10	64QAM	1	49	21.38	21.43	21.30	22.2	0	
10	64QAM	25	0	20.87	20.93	20.75			
10	64QAM	25	12	20.85	20.95	20.74			
10	64QAM	25	25	20.84	20.90	20.76			
10	64QAM	50	0	20.83	20.88	20.73	21.7	0.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.45	21.52	21.40			22.2
5	QPSK	1	12	21.43	21.54	21.29			
5	QPSK	1	24	21.34	21.42	21.26			
5	QPSK	12	0	21.39	21.43	21.39			
5	QPSK	12	7	21.37	21.44	21.34	22.2	0	
5	QPSK	12	13	21.37	21.46	21.27			
5	QPSK	25	0	21.37	21.44	21.33			
5	16QAM	1	0	21.43	21.51	21.33			
5	16QAM	1	12	21.45	21.50	21.27	22.2	0	
5	16QAM	1	24	21.46	21.45	21.27			
5	16QAM	12	0	21.40	21.43	21.34			
5	16QAM	12	7	21.40	21.49	21.26			
5	16QAM	12	13	21.43	21.46	21.32	22.2	0	
5	16QAM	25	0	21.37	21.35	21.15			
5	64QAM	1	0	21.29	21.37	21.15			
5	64QAM	1	12	21.36	21.44	21.27			
5	64QAM	1	24	21.42	21.39	21.28	22.2	0	
5	64QAM	12	0	20.87	20.98	20.74			
5	64QAM	12	7	20.90	20.96	20.74			
5	64QAM	12	13	20.85	20.98	20.72			
5	64QAM	25	0	20.82	20.90	20.76	21.7	0.5	

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	25.6	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.92	24.68	24.63			
20	QPSK	1	49	24.51	24.59	24.53			
20	QPSK	1	99	24.51	24.64	24.52	24.6	1	
20	QPSK	50	0	23.63	23.73	23.68			
20	QPSK	50	24	23.51	23.65	23.56			
20	QPSK	50	50	23.61	23.69	23.56			
20	QPSK	100	0	23.51	23.64	23.50	24.6	1	
20	16QAM	1	0	23.61	23.68	23.57			
20	16QAM	1	49	23.42	23.44	23.47			
20	16QAM	1	99	23.51	23.55	23.51			
20	16QAM	50	0	22.52	22.69	22.66	23.6	2	
20	16QAM	50	24	22.51	22.48	22.54			
20	16QAM	50	50	22.49	22.47	22.52			
20	16QAM	100	0	22.50	22.56	22.45			
20	64QAM	1	0	22.59	22.65	22.52	23.6	2	
20	64QAM	1	49	22.58	22.51	22.55			
20	64QAM	1	99	22.40	22.44	22.59			
20	64QAM	50	0	21.57	21.71	21.72			
20	64QAM	50	24	21.64	21.66	21.57	22.6	3	
20	64QAM	50	50	21.58	21.55	21.55			
20	64QAM	100	0	21.41	21.59	21.55			
Channel				20825	21100	21375	25.6	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.46	24.64	24.58			
15	QPSK	1	37	24.38	24.52	24.42			
15	QPSK	1	74	24.38	24.60	24.42	24.6	1	
15	QPSK	36	0	23.54	23.59	23.60			
15	QPSK	36	20	23.38	23.57	23.41			
15	QPSK	36	39	23.58	23.64	23.48			
15	QPSK	75	0	23.40	23.50	23.46	24.6	1	
15	16QAM	1	0	23.48	23.65	23.43			
15	16QAM	1	37	23.33	23.36	23.41			
15	16QAM	1	74	23.47	23.50	23.38			
15	16QAM	36	0	22.46	22.96	22.62	23.6	2	
15	16QAM	36	20	22.45	22.35	22.40			
15	16QAM	36	39	22.46	22.34	22.42			
15	16QAM	75	0	22.38	22.50	22.38			
15	64QAM	1	0	22.51	22.56	22.38	23.6	2	
15	64QAM	1	37	22.51	22.47	22.41			
15	64QAM	1	74	22.28	22.29	22.39			
15	64QAM	36	0	21.50	21.67	21.61			
15	64QAM	36	20	21.50	21.56	21.47	22.6	3	
15	64QAM	36	39	21.43	21.44	21.51			
15	64QAM	75	0	21.30	21.47	21.41			
Channel				20800	21100	21400	25.6	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.48	24.57	24.51			
10	QPSK	1	25	24.43	24.46	24.44			
10	QPSK	1	49	24.38	24.53	24.45	24.6	1	
10	QPSK	25	0	23.56	23.62	23.62			
10	QPSK	25	12	23.40	23.62	23.51			
10	QPSK	25	25	23.57	23.64	23.49			
10	QPSK	50	0	23.43	23.55	23.35	24.6	1	
10	16QAM	1	0	23.55	23.55	23.46			
10	16QAM	1	25	23.30	23.35	23.41			
10	16QAM	1	49	23.37	23.49	23.43			
10	16QAM	25	0	22.37	22.56	22.55	23.6	2	
10	16QAM	25	12	22.47	22.45	22.39			
10	16QAM	25	25	22.34	22.36	22.48			
10	16QAM	50	0	22.36	22.49	22.40			
10	64QAM	1	0	22.45	22.59	22.39	23.6	2	
10	64QAM	1	25	22.48	22.37	22.42			
10	64QAM	1	49	22.36	22.39	22.46			
10	64QAM	25	0	21.53	21.61	21.62			
10	64QAM	25	12	21.59	21.55	21.43	22.6	3	
10	64QAM	25	25	21.50	21.61	21.47			
10	64QAM	50	0	21.30	21.54	21.45			
Channel				20775	21100	21425	25.6	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.42	24.57	24.60			
5	QPSK	1	12	24.45	24.49	24.40			
5	QPSK	1	24	24.38	24.55	24.40	24.6	1	
5	QPSK	12	0	23.52	23.69	23.57			
5	QPSK	12	7	23.42	23.61	23.48			
5	QPSK	12	13	23.60	23.65	23.44			
5	QPSK	25	0	23.43	23.52	23.43	24.6	1	
5	16QAM	1	0	23.56	23.59	23.43			
5	16QAM	1	12	23.37	23.35	23.33			
5	16QAM	1	24	23.45	23.50	23.39			
5	16QAM	12	0	22.44	22.57	22.60	23.6	2	
5	16QAM	12	7	22.41	22.38	22.40			
5	16QAM	12	13	22.38	22.43	22.40			
5	16QAM	25	0	22.45	22.49	22.31			
5	64QAM	1	0	22.55	22.55	22.38	23.6	2	
5	64QAM	1	12	22.48	22.39	22.47			
5	64QAM	1	24	22.26	22.38	22.40			
5	64QAM	12	0	21.42	21.66	21.58			
5	64QAM	12	7	21.57	21.61	21.45	22.6	3	
5	64QAM	12	13	21.46	21.51	21.49			
5	64QAM	25	0	21.30	21.51	21.50			

Band 7_Ant 3									
BW [MHz]	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	21.00	21.25	21.08	22.1		0
20	QPSK	1	49	20.97	21.23	21.05			
20	QPSK	1	99	20.98	21.15	21.08			
20	QPSK	50	0	21.00	21.23	21.01			
20	QPSK	50	24	21.00	21.21	20.99	22.1		0
20	QPSK	50	50	20.95	21.20	20.99			
20	QPSK	100	0	20.99	21.21	20.97			
20	16QAM	1	0	21.00	21.17	21.05			
20	16QAM	1	49	20.98	21.23	21.06	22.1		0
20	16QAM	1	99	20.99	21.22	20.97			
20	16QAM	50	0	20.97	21.19	20.92			
20	16QAM	50	24	20.94	21.11	20.87			
20	16QAM	50	50	20.98	21.19	21.03	22.1		0
20	16QAM	100	0	20.90	21.12	20.92			
20	64QAM	1	0	20.79	21.02	20.80			
20	64QAM	1	49	20.92	21.22	20.88			
20	64QAM	1	99	20.88	21.14	20.89	22.1		0
20	64QAM	50	0	20.51	20.65	20.51			
20	64QAM	50	24	20.34	20.57	20.33			
20	64QAM	50	50	20.42	20.64	20.50			
20	64QAM	100	0	20.48	20.62	20.47			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.89	21.19	21.01	22.1		0
15	QPSK	1	37	20.88	21.14	20.96			
15	QPSK	1	74	20.87	21.04	20.93			
15	QPSK	36	0	20.94	21.16	20.89			
15	QPSK	36	20	20.92	21.10	20.96	22.1		0
15	QPSK	36	39	20.90	21.10	20.91			
15	QPSK	75	0	20.89	21.11	20.92			
15	16QAM	1	0	20.91	21.06	20.98			
15	16QAM	1	37	20.88	21.20	21.00	22.1		0
15	16QAM	1	74	20.88	21.15	20.97			
15	16QAM	36	0	20.88	21.15	20.86			
15	16QAM	36	20	20.91	21.04	20.84			
15	16QAM	36	39	20.92	21.15	20.95	22.1		0
15	16QAM	75	0	20.78	21.09	20.87			
15	64QAM	1	0	20.74	20.94	20.70			
15	64QAM	1	37	20.75	20.95	20.78			
15	64QAM	1	74	20.75	20.95	20.85	22.1		0
15	64QAM	36	0	20.46	20.55	20.45			
15	64QAM	36	20	20.28	20.46	20.30			
15	64QAM	36	39	20.35	20.58	20.38			
15	64QAM	75	0	20.42	20.59	20.35			
Channel				20800	21100	21300			
Frequency (MHz)				2502.5	2535	2567.5			
10	QPSK	1	0	20.90	21.19	20.99	22.1		0
10	QPSK	1	25	20.94	21.19	21.02			
10	QPSK	1	49	20.86	21.09	20.88			
10	QPSK	25	0	20.91	21.19	20.97			
10	QPSK	25	12	20.90	21.17	20.90	22.1		0
10	QPSK	25	25	20.87	21.17	20.93			
10	QPSK	50	0	20.93	21.18	20.94			
10	16QAM	1	0	20.95	21.05	20.97			
10	16QAM	1	25	20.91	21.15	21.02	22.1		0
10	16QAM	1	49	20.88	21.13	20.88			
10	16QAM	25	0	20.92	21.11	20.87			
10	16QAM	25	12	20.86	21.02	20.75			
10	16QAM	25	25	20.94	21.11	20.92	22.1		0
10	16QAM	50	0	20.79	21.08	20.85			
10	16QAM	1	0	20.68	20.96	20.72			
10	64QAM	1	25	20.82	21.19	20.77			
10	64QAM	1	49	20.81	21.04	20.79	22.1		0
10	64QAM	25	0	20.41	20.54	20.38			
10	64QAM	25	12	20.27	20.46	20.21			
10	64QAM	25	25	20.32	20.60	20.42			
10	64QAM	50	0	20.42	20.58	20.38			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.95	21.18	20.98	22.1		0
5	QPSK	1	12	20.91	21.17	20.95			
5	QPSK	1	24	20.88	21.04	20.86			
5	QPSK	12	0	20.91	21.18	20.93			
5	QPSK	12	7	20.94	21.14	20.95	22.1		0
5	QPSK	12	13	20.89	21.12	20.92			
5	QPSK	25	0	20.94	21.09	20.89			
5	16QAM	1	0	20.92	21.13	20.98			
5	16QAM	1	12	20.89	21.11	20.96	22.1		0
5	16QAM	1	24	20.89	21.18	20.92			
5	16QAM	12	0	20.90	21.16	20.80			
5	16QAM	12	7	20.87	21.01	20.78			
5	16QAM	12	13	20.90	21.14	20.82	22.1		0
5	16QAM	25	0	20.86	21.04	20.88			
5	64QAM	1	0	20.67	20.97	20.77			
5	64QAM	1	12	20.80	21.13	20.78			
5	64QAM	1	24	20.84	21.08	20.79	22.1		0
5	64QAM	12	0	20.39	20.62	20.48			
5	64QAM	12	7	20.26	20.47	20.30			
5	64QAM	12	13	20.37	20.53	20.40			
5	64QAM	25	0	20.43	20.53	20.36			

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	24.56	24.65	24.56	25.5	0		
10	QPSK	1	25	24.46	24.60	24.49				
10	QPSK	1	49	24.52	24.57	24.47				
10	QPSK	25	0	23.55	23.70	23.62				
10	QPSK	25	12	23.41	23.56	23.43	24.5	1		
10	QPSK	25	25	23.51	23.63	23.55				
10	QPSK	50	0	23.56	23.68	23.56				
10	16QAM	1	0	23.58	23.69	23.64				
10	16QAM	1	25	23.49	23.47	23.46	24.5	1		
10	16QAM	1	49	23.50	23.54	23.57				
10	16QAM	25	0	22.49	22.63	22.57				
10	16QAM	25	12	22.50	22.48	22.50				
10	16QAM	25	25	22.47	22.47	22.50	23.5	2		
10	16QAM	50	0	22.55	22.63	22.51				
10	64QAM	1	0	22.63	22.67	22.73				
10	64QAM	1	25	22.55	22.57	22.55				
10	64QAM	1	49	22.47	22.49	22.40	23.5	2		
10	64QAM	25	0	21.51	21.64	21.56				
10	64QAM	25	12	21.39	21.45	21.50				
10	64QAM	25	25	21.46	21.49	21.49				
10	64QAM	50	0	21.53	21.57	21.49	22.5	3		
10	64QAM	50	0	21.53	21.57	21.49				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.49	24.48	24.43	25.5	0		
5	QPSK	1	12	24.34	24.52	24.41				
5	QPSK	1	24	24.47	24.46	24.44				
5	QPSK	12	0	23.50	23.65	23.55				
5	QPSK	12	7	23.37	23.46	23.29	24.5	1		
5	QPSK	12	13	23.44	23.60	23.41				
5	QPSK	25	0	23.53	23.59	23.50				
5	16QAM	1	0	23.49	23.54	23.55				
5	16QAM	1	12	23.44	23.38	23.43	24.5	1		
5	16QAM	1	24	23.36	23.48	23.43				
5	16QAM	12	0	22.39	22.32	22.30				
5	16QAM	12	7	22.38	22.35	22.35				
5	16QAM	12	13	22.39	22.39	22.45	23.5	2		
5	16QAM	25	0	22.50	22.54	22.44				
5	64QAM	1	0	22.51	22.59	22.59				
5	64QAM	1	12	22.41	22.43	22.40				
5	64QAM	1	24	22.37	22.38	22.27	23.5	2		
5	64QAM	12	0	21.43	21.60	21.43				
5	64QAM	12	7	21.30	21.40	21.36				
5	64QAM	12	13	21.33	21.39	21.39				
5	64QAM	25	0	21.48	21.45	21.34	22.5	3		
5	64QAM	25	0	21.48	21.45	21.34				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	24.51	24.57	24.54	25.5	0		
3	QPSK	1	8	24.42	24.55	24.40				
3	QPSK	1	14	24.38	24.46	24.39				
3	QPSK	8	0	23.48	23.57	23.49				
3	QPSK	8	4	23.36	23.46	23.36	24.5	1		
3	QPSK	8	7	23.41	23.57	23.49				
3	QPSK	15	0	23.51	23.62	23.51				
3	16QAM	1	0	23.53	23.57	23.60				
3	16QAM	1	8	23.41	23.36	23.40	24.5	1		
3	16QAM	1	14	23.47	23.51	23.42				
3	16QAM	8	0	22.39	22.53	22.45				
3	16QAM	8	4	22.38	22.44	22.41				
3	16QAM	8	7	22.34	22.43	22.41	23.5	2		
3	16QAM	15	0	22.44	22.54	22.39				
3	64QAM	1	0	22.55	22.59	22.70				
3	64QAM	1	8	22.46	22.51	22.51				
3	64QAM	1	14	22.33	22.37	22.32	23.5	2		
3	64QAM	8	0	21.44	21.56	21.45				
3	64QAM	8	4	21.34	21.36	21.43				
3	64QAM	8	7	21.36	21.43	21.36				
3	64QAM	15	0	21.41	21.52	21.42	22.5	3		
3	64QAM	15	0	21.41	21.52	21.42				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	24.44	24.53	24.46	25.5	0		
1.4	QPSK	1	3	24.42	24.50	24.40				
1.4	QPSK	1	5	24.49	24.53	24.39				
1.4	QPSK	3	0	24.41	24.57	24.43				
1.4	QPSK	3	1	24.27	24.38	24.25	24.5	1		
1.4	QPSK	3	3	24.39	24.55	24.37				
1.4	QPSK	6	0	23.47	23.55	23.49				
1.4	16QAM	1	0	23.45	23.64	23.56				
1.4	16QAM	1	3	23.36	23.33	23.41	24.5	1		
1.4	16QAM	1	5	23.40	23.50	23.45				
1.4	16QAM	3	0	23.38	23.55	23.38				
1.4	16QAM	3	1	23.33	23.34	23.37				
1.4	16QAM	3	3	23.28	23.36	23.33	23.5	2		
1.4	16QAM	6	0	22.45	22.48	22.42				
1.4	64QAM	1	0	22.49	22.52	22.66				
1.4	64QAM	1	3	22.47	22.48	22.46				
1.4	64QAM	1	5	22.41	22.44	22.36	23.5	2		
1.4	64QAM	3	0	22.43	22.53	22.45				
1.4	64QAM	3	1	22.31	22.34	22.34				
1.4	64QAM	3	3	22.32	22.37	22.39				
1.4	64QAM	6	0	21.46	21.47	21.40	22.5	3		
1.4	64QAM	6	0	21.46	21.47	21.40				
1.4	64QAM	6	0	21.46	21.47	21.40				
1.4	64QAM	6	0	21.46	21.47	21.40				

Band 12_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				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.52	23.63	23.54	24.8	0		
10	QPSK	1	25	23.50	23.58	23.52				
10	QPSK	1	49	23.37	23.47	23.36				
10	QPSK	25	0	22.64	22.77	22.71				
10	QPSK	25	12	22.52	22.58	22.52	23.8	1		
10	QPSK	25	25	22.52	22.66	22.58				
10	QPSK	50	0	22.66	22.75	22.67				
10	16QAM	1	0	22.53	22.72	22.68				
10	16QAM	1	25	22.50	22.54	22.52	23.8	1		
10	16QAM	1	49	22.59	22.54	22.52				
10	16QAM	25	0	21.59	21.82	21.73				
10	16QAM	25	12	21.74	21.77	21.76				
10	16QAM	25	25	21.61	21.61	21.66	22.8	2		
10	16QAM	50	0	21.65	21.74	21.76				
10	64QAM	1	0	21.48	21.61	21.54				
10	64QAM	1	25	21.35	21.44	21.36				
10	64QAM	1	49	21.53	21.47	21.53	22.8	2		
10	64QAM	25	0	20.66	20.79	20.74				
10	64QAM	25	12	20.72	20.64	20.63				
10	64QAM	25	25	20.71	20.65	20.67				
10	64QAM	50	0	20.60	20.72	20.57	21.8	3		
10	64QAM	50	0	20.60	20.72	20.57				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.41	23.52	23.39	24.8	0		
5	QPSK	1	12	23.47	23.46	23.44				
5	QPSK	1	24	23.24	23.37	23.31				
5	QPSK	12	0	22.53	22.69	22.59				
5	QPSK	12	7	22.37	22.46	22.47	23.8	1		
5	QPSK	12	13	22.41	22.55	22.51				
5	QPSK	25	0	22.58	22.69	22.53				
5	16QAM	1	0	22.48	22.61	22.60				
5	16QAM	1	12	22.38	22.51	22.48	23.8	1		
5	16QAM	1	24	22.46	22.47	22.37				
5	16QAM	12	0	21.53	21.70	21.61				
5	16QAM	12	7	21.62	21.71	21.64				
5	16QAM	12	13	21.46	21.54	21.52	22.8	2		
5	16QAM	25	0	21.51	21.69	21.66				
5	16QAM	1	0	21.35	21.47	21.42				
5	64QAM	1	12	21.23	21.33	21.23				
5	64QAM	1	24	21.50	21.34	21.39	22.8	2		
5	64QAM	12	0	20.58	20.66	20.70				
5	64QAM	12	7	20.62	20.57	20.49				
5	64QAM	12	13	20.63	20.62	20.58				
5	64QAM	25	0	20.51	20.68	20.68	21.8	3		
5	64QAM	25	0	20.51	20.68	20.68				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	23.41	23.54	23.42	24.8	0		
3	QPSK	1	8	23.41	23.48	23.42				
3	QPSK	1	14	23.29	23.32	23.28				
3	QPSK	8	0	22.58	22.63	22.52				
3	QPSK	8	4	22.46	22.45	22.38	23.8	1		
3	QPSK	8	7	22.42	22.55	22.50				
3	QPSK	15	0	22.61	22.69	22.62				
3	16QAM	1	0	22.42	22.60	22.56				
3	16QAM	1	8	22.38	22.51	22.38	23.8	1		
3	16QAM	1	14	22.51	22.42	22.41				
3	16QAM	8	0	21.51	21.68	21.66				
3	16QAM	8	4	21.64	21.65	21.72				
3	16QAM	8	7	21.50	21.54	21.53	22.8	2		
3	16QAM	15	0	21.58	21.61	21.71				
3	64QAM	1	0	21.37	21.46	21.43				
3	64QAM	1	8	21.21	21.34	21.23				
3	64QAM	1	14	21.39	21.36	21.38	22.8	2		
3	64QAM	8	0	20.80	20.80	20.82				
3	64QAM	8	4	20.59	20.57	20.57				
3	64QAM	8	7	20.66	20.57	20.46				
3	64QAM	15	0	20.51	20.65	20.44	21.8	3		
3	64QAM	15	0	20.51	20.65	20.44				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7 <th>707.5</th> <th>715.3<th colspan="2"></th></th>	707.5	715.3 <th colspan="2"></th>				
1.4	QPSK	1	0	23.35	23.55	23.45	24.8	0		
1.4	QPSK	1	3	23.45	23.50	23.43				
1.4	QPSK	1	5	23.29	23.36	23.22				
1.4	QPSK	3	0	23.52	23.58	23.51				
1.4	QPSK	3	1	23.39	23.42	23.39	23.8	1		
1.4	QPSK	3	3	23.39	23.55	23.45				
1.4	QPSK	6	0	22.57	22.67	22.59				
1.4	16QAM	1	0	22.41	22.64	22.61				
1.4	16QAM	1	3	23.28	23.30	23.43	23.8	1		
1.4	16QAM	1	5	22.47	22.44	22.46				
1.4	16QAM	3	0	22.49	22.72	22.58				
1.4	16QAM	3	1	22.55	22.59	22.66				
1.4	16QAM	3	3	22.47	22.44	22.54	22.8	2		
1.4	16QAM	6	0	21.52	21.67	21.63				
1.4	64QAM	1	0	21.35	21.53	21.41				
1.4	64QAM	1	3	21.31	21.38	21.30				
1.4	64QAM	1	5	21.42	21.39	21.46	22.8	2		
1.4	64QAM	3	0	21.45	21.51	21.62				
1.4	64QAM	3	3	21.58	21.47	21.63				
1.4	64QAM	3	3	21.51	21.51	21.50				
1.4	64QAM	6	0	20.53	20.62	20.46	21.8	3		

Band 13_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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.46		25.5	0	
10	QPSK	1	25		24.37				
10	QPSK	1	49		24.40				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.30				
10	QPSK	25	25		23.33				
10	QPSK	50	0		23.39		24.5	1	
10	16QAM	1	0		23.55				
10	16QAM	1	25		23.42				
10	16QAM	1	49		23.45		23.5	2	
10	16QAM	25	0		22.42				
10	16QAM	25	12		22.32				
10	16QAM	25	25		22.33		23.5	2	
10	16QAM	50	0		22.40				
10	64QAM	1	0		22.48				
10	64QAM	1	25		22.35		22.5	3	
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.43				
10	64QAM	25	12		21.35				
10	64QAM	25	25		21.37				
10	64QAM	50	0		21.38				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.32	24.41	24.26	25.5	0	
5	QPSK	1	12	24.20	24.31	24.20			
5	QPSK	1	24	24.15	24.33	24.25			
5	QPSK	12	0	23.12	23.34	23.19	24.5	1	
5	QPSK	12	7	23.20	23.21	23.02			
5	QPSK	12	13	23.13	23.27	23.10			
5	QPSK	25	0	23.20	23.29	23.18	24.5	1	
5	16QAM	1	0	23.40	23.50	23.47			
5	16QAM	1	12	23.18	23.27	23.29			
5	16QAM	1	24	23.28	23.35	23.29	23.5	2	
5	16QAM	12	0	22.20	22.29	22.22			
5	16QAM	12	7	22.22	22.19	22.16			
5	16QAM	12	13	22.11	22.26	22.12	22.5	3	
5	16QAM	25	0	22.24	22.29	22.20			
5	64QAM	1	0	22.27	22.41	22.32			
5	64QAM	1	12	22.12	22.21	22.19	23.5	2	
5	64QAM	1	24	22.26	22.30	22.18			
5	64QAM	12	0	21.24	21.29	21.25			
5	64QAM	12	7	21.23	21.24	21.19	22.5	3	
5	64QAM	12	13	21.10	21.28	21.16			
5	64QAM	25	0	21.19	21.23	21.17			

Band 13_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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.88		24.9	0	
10	QPSK	1	25		23.80				
10	QPSK	1	49		23.83				
10	QPSK	25	0		22.79		23.9	1	
10	QPSK	25	12		22.75				
10	QPSK	25	25		22.72				
10	QPSK	50	0		22.74		23.9	1	
10	16QAM	1	0		22.81				
10	16QAM	1	25		22.72				
10	16QAM	1	49		22.73		22.9	2	
10	16QAM	25	0		21.52				
10	16QAM	25	12		21.50				
10	16QAM	25	25		21.48		21.9	3	
10	16QAM	50	0		21.74				
10	64QAM	1	0		21.77				
10	64QAM	1	25		21.73		22.9	2	
10	64QAM	1	49		21.67				
10	64QAM	25	0		20.46				
10	64QAM	25	12		20.40		21.9	3	
10	64QAM	25	25		20.33				
10	64QAM	50	0		20.57				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.67	23.66	23.72	24.9	0	
5	QPSK	1	12	23.57	23.61	23.50			
5	QPSK	1	24	23.61	23.70	23.57			
5	QPSK	12	0	22.63	22.62	22.53	23.9	1	
5	QPSK	12	7	22.46	22.60	22.50			
5	QPSK	12	13	22.43	22.53	22.54			
5	QPSK	25	0	22.42	22.61	22.45	23.9	1	
5	16QAM	1	0	22.47	22.69	22.51			
5	16QAM	1	12	22.55	22.56	22.51			
5	16QAM	1	24	22.58	22.55	22.46	22.9	2	
5	16QAM	12	0	21.31	21.40	21.15			
5	16QAM	12	7	21.18	21.30	21.21			
5	16QAM	12	13	21.26	21.29	21.23	21.9	3	
5	16QAM	25	0	21.42	21.60	21.55			
5	64QAM	1	0	21.47	21.58	21.51			
5	64QAM	1	12	21.41	21.63	21.40	22.9	2	
5	64QAM	1	24	21.36	21.50	21.43			
5	64QAM	12	0	20.19	20.35	20.25			
5	64QAM	12	7	20.34	20.44	20.27	21.9	3	
5	64QAM	12	13	20.35	20.35	20.22			
5	64QAM	25	0	20.47	20.60	20.47			



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	23780	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.57	23.62	23.60	25.5	0	
10	QPSK	1	25	24.45	24.52	24.44			
10	QPSK	1	49	24.50	24.61	24.56			
10	QPSK	25	0	23.57	23.62	23.54			
10	QPSK	25	12	23.48	23.52	23.37	24.5	1	
10	QPSK	25	25	23.56	23.60	23.51			
10	QPSK	50	0	23.45	23.58	23.51			
10	16QAM	1	0	23.64	23.77	23.75			
10	16QAM	1	25	23.58	23.51	23.60	24.5	1	
10	16QAM	1	49	23.80	23.64	23.57			
10	16QAM	25	0	22.51	22.65	22.59			
10	16QAM	25	12	22.51	22.45	22.41			
10	16QAM	25	25	22.39	22.41	22.43	23.5	2	
10	16QAM	50	0	22.50	22.57	22.49			
10	64QAM	1	0	22.61	22.70	22.67			
10	64QAM	1	25	22.51	22.54	22.52			
10	64QAM	1	49	22.49	22.55	22.55	23.5	2	
10	64QAM	25	0	21.67	21.58	21.60			
10	64QAM	25	12	21.44	21.44	21.37			
10	64QAM	25	25	21.43	21.38	21.44			
10	64QAM	50	0	21.62	21.56	21.53	22.5	3	
Channel				23785	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.54	24.57	24.49	25.5	0	
5	QPSK	1	12	24.37	24.39	24.35			
5	QPSK	1	24	24.40	24.56	24.41			
5	QPSK	12	0	23.51	23.49	23.50			
5	QPSK	12	7	23.43	23.42	23.30	24.5	1	
5	QPSK	12	13	23.46	23.46	23.39			
5	QPSK	25	0	23.34	23.44	23.37			
5	16QAM	1	0	23.56	23.70	23.64			
5	16QAM	1	12	23.54	23.47	23.48	24.5	1	
5	16QAM	1	24	23.56	23.61	23.51			
5	16QAM	12	0	22.41	22.36	22.36			
5	16QAM	12	7	22.47	22.41	22.26			
5	16QAM	12	13	22.31	22.32	22.29	23.5	2	
5	16QAM	25	0	22.37	22.42	22.37			
5	64QAM	1	0	22.50	22.66	22.62			
5	64QAM	1	12	22.38	22.42	22.38			
5	64QAM	1	24	22.42	22.48	22.49	23.5	2	
5	64QAM	12	0	21.52	21.47	21.48			
5	64QAM	12	7	21.37	21.34	21.33			
5	64QAM	12	13	21.34	21.30	21.34			
5	64QAM	25	0	21.57	21.48	21.41	22.5	3	

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.46	23.59	23.55	24.8	0	
10	QPSK	1	25	23.42	23.48	23.38			
10	QPSK	1	49	23.40	23.52	23.38			
10	QPSK	25	0	22.67	22.78	22.62			
10	QPSK	25	12	22.51	22.56	22.43	23.8	1	
10	QPSK	25	25	22.62	22.73	22.56			
10	QPSK	50	0	22.73	22.76	22.70			
10	16QAM	1	0	22.68	22.74	22.57			
10	16QAM	1	25	22.58	22.63	22.57	23.8	1	
10	16QAM	1	49	22.57	22.60	22.62			
10	16QAM	25	0	21.55	21.64	21.49			
10	16QAM	25	12	21.54	21.51	21.54			
10	16QAM	25	25	21.54	21.44	21.48	22.8	2	
10	16QAM	50	0	21.56	21.73	21.69			
10	64QAM	1	0	21.64	21.69	21.62			
10	64QAM	1	25	21.46	21.48	21.46			
10	64QAM	1	49	21.62	21.56	21.54	22.8	2	
10	64QAM	25	0	20.57	20.65	20.48			
10	64QAM	25	12	20.46	20.42	20.46			
10	64QAM	25	25	20.47	20.45	20.38			
10	64QAM	50	0	20.65	20.68	20.54	21.8	3	
Channel				23785	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.37	23.51	23.46	24.8	0	
5	QPSK	1	12	23.38	23.36	23.33			
5	QPSK	1	24	23.36	23.42	23.30			
5	QPSK	12	0	22.64	22.68	22.48			
5	QPSK	12	7	22.43	22.51	22.30	23.8	1	
5	QPSK	12	13	22.50	22.66	22.51			
5	QPSK	25	0	22.60	22.68	22.67			
5	16QAM	1	0	22.54	22.70	22.42			
5	16QAM	1	12	22.53	22.54	22.47	23.8	1	
5	16QAM	1	24	22.53	22.54	22.48			
5	16QAM	12	0	21.49	21.57	21.36			
5	16QAM	12	7	21.48	21.47	21.39			
5	16QAM	12	13	21.43	21.35	21.44	22.8	2	
5	16QAM	25	0	21.43	21.64	21.65			
5	64QAM	1	0	21.58	21.58	21.52			
5	64QAM	1	12	21.32	21.44	21.38			
5	64QAM	1	24	21.57	21.46	21.49	22.8	2	
5	64QAM	12	0	20.48	20.50	20.41			
5	64QAM	12	7	20.31	20.33	20.32			
5	64QAM	12	13	20.40	20.38	20.26			
5	64QAM	25	0	20.58	20.65	20.42	21.8	3	

Band 26_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	24.30	24.45	24.30	25.5	0		
15	QPSK	1	37	24.31	24.36	24.24				
15	QPSK	1	74	24.34	24.41	24.31				
15	QPSK	36	0	23.30	23.41	23.34				
15	QPSK	36	20	23.28	23.37	23.30	24.5	1		
15	QPSK	36	39	23.29	23.33	23.25				
15	QPSK	75	0	23.44	23.46	23.43				
15	16QAM	1	0	23.48	23.56	23.51				
15	16QAM	1	37	23.37	23.46	23.36	24.5	1		
15	16QAM	1	74	23.44	23.36	23.41				
15	16QAM	36	0	22.44	22.47	22.46				
15	16QAM	36	20	22.37	22.31	22.39				
15	16QAM	36	39	22.34	22.33	22.29	23.5	2		
15	16QAM	75	0	22.38	22.43	22.31				
15	64QAM	1	0	22.41	22.45	22.37				
15	64QAM	1	37	22.32	22.23	22.32				
15	64QAM	1	74	22.31	22.30	22.24	23.5	2		
15	64QAM	36	0	21.39	21.44	21.43				
15	64QAM	36	20	21.28	21.24	21.24				
15	64QAM	36	39	21.23	21.23	21.19				
15	64QAM	75	0	21.30	21.43	21.35	22.5	3		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	24.26	24.36	24.29	25.5	0		
10	QPSK	1	25	24.26	24.24	24.09				
10	QPSK	1	49	24.23	24.34	24.20				
10	QPSK	25	0	23.25	23.27	23.29				
10	QPSK	25	12	23.17	23.25	23.22	24.5	1		
10	QPSK	25	25	23.15	23.19	23.21				
10	QPSK	50	0	23.38	23.36	23.29				
10	16QAM	1	0	23.40	23.43	23.41				
10	16QAM	1	25	23.33	23.36	23.30	24.5	1		
10	16QAM	1	49	23.32	23.32	23.27				
10	16QAM	25	0	22.36	22.36	22.42				
10	16QAM	25	12	22.29	22.25	22.36				
10	16QAM	25	25	22.21	22.24	22.17	23.5	2		
10	16QAM	50	0	22.32	22.34	22.20				
10	64QAM	1	0	22.28	22.31	22.27				
10	64QAM	1	25	22.17	22.16	22.28				
10	64QAM	1	49	22.17	22.21	22.10	23.5	2		
10	64QAM	25	0	21.30	21.41	21.29				
10	64QAM	25	12	21.22	21.17	21.12				
10	64QAM	25	25	21.18	21.16	21.04				
10	64QAM	50	0	21.16	21.35	21.29	22.5	3		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	24.32	24.42	24.30	25.5	0		
5	QPSK	1	12	24.27	24.28	24.14				
5	QPSK	1	24	24.29	24.37	24.17				
5	QPSK	12	0	23.22	23.28	23.27				
5	QPSK	12	7	23.17	23.26	23.22	24.5	1		
5	QPSK	12	13	23.23	23.22	23.17				
5	QPSK	25	0	23.37	23.43	23.32				
5	16QAM	1	0	23.44	23.45	23.36				
5	16QAM	1	12	23.34	23.41	23.30	24.5	1		
5	16QAM	1	24	23.33	23.25	23.37				
5	16QAM	12	0	22.34	22.33	22.40				
5	16QAM	12	7	22.25	22.26	22.27				
5	16QAM	12	13	22.31	22.30	22.18	23.5	2		
5	16QAM	25	0	22.31	22.29	22.18				
5	64QAM	1	0	22.35	22.37	22.33				
5	64QAM	1	12	22.20	22.11	22.24				
5	64QAM	1	24	22.19	22.22	22.21	22.5	3		
5	64QAM	12	0	21.25	21.36	21.30				
5	64QAM	12	7	21.16	21.14	21.14				
5	64QAM	12	13	21.14	21.16	21.08				
5	64QAM	25	0	21.27	21.28	21.26	22.5			
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	24.30	24.40	24.33	25.5	0		
3	QPSK	1	8	24.26	24.26	24.15				
3	QPSK	1	14	24.28	24.31	24.24				
3	QPSK	8	0	23.24	23.34	23.20				
3	QPSK	8	4	23.20	23.30	23.19	24.5	1		
3	QPSK	8	7	23.26	23.22	23.11				
3	QPSK	15	0	23.41	23.33	23.36				
3	16QAM	1	0	23.42	23.49	23.47				
3	16QAM	1	8	23.24	23.31	23.23	24.5	1		
3	16QAM	1	14	23.36	23.31	23.31				
3	16QAM	8	0	22.38	22.32	22.40				
3	16QAM	8	4	22.25	22.20	22.25				
3	16QAM	8	7	22.24	22.25	22.21	23.5	2		
3	16QAM	15	0	22.31	22.31	22.21				
3	64QAM	1	0	22.33	22.36	22.31				
3	64QAM	1	8	22.26	22.16	22.24				
3	64QAM	1	14	22.21	22.26	22.10	22.5	3		
3	64QAM	8	0	21.35	21.34	21.38				
3	64QAM	8	4	21.21	21.17	21.12				
3	64QAM	8	7	21.20	21.15	21.13				
3	64QAM	15	0	21.22	21.31	21.27	22.5			
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	24.32	24.36	24.32	25.5	0		
1.4	QPSK	1	3	24.22	24.31	24.13				
1.4	QPSK	1	5	24.24	24.33	24.26				
1.4	QPSK	3	0	24.21	24.29	24.22				
1.4	QPSK	3	1	24.18	24.26	24.24	24.5	1		
1.4	QPSK	3	3	24.24	24.27	24.20				
1.4	QPSK	6	0	23.40	23.39	23.40				
1.4	16QAM	1	0	23.44	23.49	23.44				
1.4	16QAM	1	3	23.29	23.32	23.23	24.5	1		
1.4	16QAM	1	5	23.33	23.29	23.32				
1.4	16QAM	3	0	23.30	23.38	23.37				
1.4	16QAM	3	1	23.25	23.16	23.24				
1.4	16QAM	3	3	23.27	23.22	23.15	23.5	2		
1.4	16QAM	6	0	22.25	22.33	22.21				
1.4	64QAM	1	0	22.30	22.38	22.26				
1.4	64QAM	1	3	22.28	22.15	22.23				
1.4	64QAM	1	5	22.19	22.22	22.09	23.5	2		
1.4	64QAM	3	0	22.29	22.32	22.32				
1.4	64QAM	3	1	22.24	22.15	22.18				
1.4	64QAM	3	3	22.12	22.16	22.05				
1.4	64QAM	6	0	21.25	21.29	21.32	22.5	3		

Band 66_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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	24.40	24.56	24.32	25.5	0	
20	QPSK	1	49	24.27	24.41	24.27			
20	QPSK	1	99	24.36	24.44	24.31			
20	QPSK	50	0	23.51	23.65	23.57	24.5	1	
20	QPSK	50	24	23.47	23.60	23.46			
20	QPSK	50	50	23.50	23.57	23.50			
20	QPSK	100	0	23.50	23.55	23.49	24.5	1	
20	16QAM	1	0	23.50	23.55	23.46			
20	16QAM	1	49	23.35	23.35	23.39			
20	16QAM	1	99	23.34	23.31	23.35	23.5	2	
20	16QAM	50	0	22.40	22.51	22.46			
20	16QAM	50	24	22.37	22.34	22.35			
20	16QAM	50	50	22.37	22.35	22.32	22.5	3	
20	16QAM	100	0	22.41	22.45	22.37			
20	64QAM	1	0	22.42	22.54	22.46			
20	64QAM	1	49	22.32	22.29	22.29	22.5	2	
20	64QAM	1	99	22.45	22.39	22.39			
20	64QAM	50	0	21.34	21.45	21.43			
20	64QAM	50	24	21.26	21.27	21.33	22.5	3	
20	64QAM	50	50	21.24	21.20	21.23			
20	64QAM	100	0	21.37	21.42	21.40			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	24.24	24.41	24.26	25.5	0	
15	QPSK	1	37	24.15	24.29	24.23			
15	QPSK	1	74	24.31	24.39	24.16			
15	QPSK	36	0	23.45	23.51	23.45	24.5	1	
15	QPSK	36	20	23.42	23.50	23.37			
15	QPSK	36	39	23.37	23.46	23.35			
15	QPSK	75	0	23.46	23.46	23.37	24.5	1	
15	16QAM	1	0	23.47	23.50	23.37			
15	16QAM	1	37	23.36	23.24	23.32			
15	16QAM	1	74	23.29	23.18	23.21	23.5	2	
15	16QAM	36	0	22.27	22.38	22.35			
15	16QAM	36	20	22.24	22.25	22.20			
15	16QAM	36	39	22.28	22.25	22.28	22.5	3	
15	16QAM	75	0	22.37	22.31	22.23			
15	64QAM	1	0	22.37	22.42	22.33			
15	64QAM	1	37	22.19	22.19	22.21	23.5	2	
15	64QAM	1	74	22.25	22.33	22.30			
15	64QAM	36	0	21.26	21.35	21.30			
15	64QAM	36	20	21.15	21.17	21.20	22.5	3	
15	64QAM	36	39	21.17	21.14	21.10			
15	64QAM	75	0	21.32	21.33	21.28			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	24.25	24.42	24.24	25.5	0	
10	QPSK	1	25	24.19	24.37	24.13			
10	QPSK	1	49	24.37	24.34	24.24			
10	QPSK	25	0	23.40	23.54	23.52	24.5	1	
10	QPSK	25	12	23.38	23.56	23.41			
10	QPSK	25	25	23.46	23.46	23.36			
10	QPSK	50	0	23.40	23.49	23.44	24.5	1	
10	16QAM	1	0	23.45	23.48	23.34			
10	16QAM	1	25	23.29	23.31	23.25			
10	16QAM	1	49	23.28	23.23	23.27	23.5	2	
10	16QAM	25	0	22.34	22.47	22.33			
10	16QAM	25	12	22.24	22.23	22.26			
10	16QAM	25	25	22.32	22.27	22.23	23.5	2	
10	16QAM	50	0	22.30	22.39	22.30			
10	64QAM	1	0	22.38	22.45	22.32			
10	64QAM	1	49	22.40	22.33	22.29	23.5	2	
10	64QAM	25	0	21.26	21.35	21.32			
10	64QAM	25	12	21.12	21.18	21.25			
10	64QAM	25	25	21.13	21.12	21.17	22.5	3	
10	64QAM	50	0	21.32	21.38	21.28			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	24.30	24.51	24.21	25.5	0	
5	QPSK	1	12	24.13	24.36	24.23			
5	QPSK	1	24	24.30	24.30	24.28			
5	QPSK	12	0	23.47	23.50	23.48	24.5	1	
5	QPSK	12	7	23.40	23.50	23.39			
5	QPSK	12	13	23.38	23.46	23.37			
5	QPSK	25	0	23.39	23.44	23.40	24.5	1	
5	16QAM	1	0	23.38	23.45	23.31			
5	16QAM	1	12	23.34	23.24	23.35			
5	16QAM	1	24	23.24	23.19	23.23	23.5	2	
5	16QAM	12	0	22.34	22.47	22.39			
5	16QAM	12	7	22.28	22.19	22.21			
5	16QAM	12	13	22.30	22.29	22.26	22.5	2	
5	16QAM	25	0	22.31	22.38	22.32			
5	64QAM	1	0	22.34	22.50	22.39			
5	64QAM	1	12	22.19	22.22	22.23	23.5	2	
5	64QAM	1	24	22.41	22.33	22.31			
5	64QAM	12	0	21.31	21.38	21.39			
5	64QAM	12	7	21.19	21.16	21.24	22.5	3	
5	64QAM	12	13	21.10	21.15	21.17			
5	64QAM	25	0	21.24	21.33	21.33			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	24.30	24.47	24.25	25.5	0	
3	QPSK	1	8	24.15	24.29	24.15			
3	QPSK	1	14	24.29	24.29	24.24			
3	QPSK	8	0	23.38	23.53	23.53	24.5	1	
3	QPSK	8	4	23.39	23.48	23.41			
3	QPSK	8	7	23.42	23.42	23.37			
3	QPSK	15	0	23.43	23.52	23.42	24.5	1	
3	16QAM	1	0	23.38	23.42	23.41			
3	16QAM	1	8	23.34	23.31	23.34			
3	16QAM	1	14	23.30	23.26	23.31	24.5	1	
3	16QAM	8	0	22.29	22.42	22.33			
3	16QAM	8	4	22.29	22.30	22.32			
3	16QAM	8	7	22.29	22.26	22.24	23.5	2	
3	16QAM	15	0	22.37	22.31	22.31			
3	64QAM	1	0	22.34	22.50	22.36			
3	64QAM	1	8	22.21	22.19	22.21	23.5	2	
3	64QAM	1	14	22.37	22.33	22.28			
3	64QAM	8	0	21.20	21.37	21.33			
3	64QAM	8	4	21.21	21.20	21.24	22.5	3	
3	64QAM	8	7	21.17	21.08	21.12			
3	64QAM	15	0	21.33	21.34	21.29			
Channel				131970	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	24.21	24.51	24.22	25.5	0	
1.4	QPSK	1	3	24.24	24.28	24.17			
1.4	QPSK	1	5	24.33	24.30	24.19			
1.4	QPSK	3	0	24.41	24.49	24.40	24.5	1	
1.4	QPSK	3	1	24.33	24.43	24.31			
1.4	QPSK	3	3	24.37	24.39	24.35			
1.4	QPSK	6	0	23.43	23.48	23.38	24.5	1	
1.4	QPSK	1	0	23.39	23.42	23.31			
1.4	16QAM	1	3	23.24	23.22	23.35			
1.4	16QAM	1	5	23.27	23.18	23.28	24.5	1	
1.4	16QAM	3	0	23.30	23.34	23.33			
1.4	16QAM	3	1	23.24	23.15	23.15			
1.4	16QAM	3	3	23.28	23.19	23.13	23.5	2	
1.4	16QAM	6	0	22.29	22.36	22.27			
1.4	16QAM	1	0	22.32	22.40	22.39			
1.4	64QAM	1	3	22.27	22.24	22.15	23.5	2	
1.4	64QAM	1	5	22.34	22.26	22.31			
1.4	64QAM	3	0	22.21	22.28	22.21			
1.4	64QAM	3	1	22.25	22.19	22.25	22.5	3	
1.4	64QAM	3	3	22.05	22.02	22.07			
1.4	64QAM	6	0	21.25	21.28	21.33			

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	24.61	24.72	24.63	25.7	0	
20	QPSK	1	49	24.47	24.60	24.46			
20	QPSK	1	99	24.59	24.64	24.55			
20	QPSK	50	0	23.71	23.81	23.69			
20	QPSK	50	24	23.54	23.69	23.55	24.7	1	
20	QPSK	50	50	23.70	23.76	23.68			
20	QPSK	100	0	23.58	23.68	23.59			
20	16QAM	1	0	23.62	23.71	23.59			
20	16QAM	1	49	23.53	23.61	23.56	24.7	1	
20	16QAM	1	99	23.67	23.51	23.50			
20	16QAM	50	0	22.51	22.69	22.60			
20	16QAM	50	24	22.50	22.49	22.47			
20	16QAM	50	50	22.50	22.44	22.51	23.7	2	
20	16QAM	100	0	22.54	22.64	22.56			
20	64QAM	1	0	22.54	22.65	22.49			
20	64QAM	1	49	22.49	22.48	22.49			
20	64QAM	1	99	22.45	22.48	22.54	23.7	2	
20	64QAM	50	0	21.51	21.68	21.59			
20	64QAM	50	24	21.45	21.53	21.55			
20	64QAM	50	50	21.50	21.58	21.50			
20	64QAM	100	0	21.47	21.62	21.61	22.7	3	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.53	24.62	24.49	25.7	0	
15	QPSK	1	37	24.34	24.47	24.35			
15	QPSK	1	74	24.46	24.59	24.47			
15	QPSK	36	0	23.52	23.69	23.57			
15	QPSK	36	20	23.49	23.59	23.42	24.7	1	
15	QPSK	36	39	23.64	23.70	23.68			
15	QPSK	75	0	23.48	23.64	23.48			
15	16QAM	1	0	23.46	23.58	23.47			
15	16QAM	1	37	23.46	23.49	23.47	24.7	1	
15	16QAM	1	74	23.49	23.43	23.41			
15	16QAM	36	0	22.36	22.56	22.53			
15	16QAM	36	20	22.37	22.46	22.34			
15	16QAM	36	39	22.46	22.29	22.37	23.7	2	
15	16QAM	75	0	22.46	22.59	22.52			
15	64QAM	1	0	22.47	22.54	22.37			
15	64QAM	1	37	22.43	22.34	22.36			
15	64QAM	1	74	22.37	22.38	22.40	23.7	2	
15	64QAM	36	0	21.38	21.59	21.45			
15	64QAM	36	20	21.39	21.49	21.46			
15	64QAM	36	39	21.44	21.45	21.45			
15	64QAM	75	0	21.42	21.52	21.51	22.7	3	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.51	24.63	24.55	25.7	0	
10	QPSK	1	25	24.36	24.53	24.43			
10	QPSK	1	49	24.57	24.50	24.49			
10	QPSK	25	0	23.42	23.68	23.60			
10	QPSK	25	12	23.43	23.65	23.41	24.7	1	
10	QPSK	25	25	23.64	23.67	23.66			
10	QPSK	50	0	23.55	23.63	23.48			
10	16QAM	1	0	23.41	23.61	23.51			
10	16QAM	1	25	23.44	23.56	23.47	24.7	1	
10	16QAM	1	49	23.44	23.38	23.36			
10	16QAM	25	0	22.40	22.59	22.52			
10	16QAM	25	12	22.39	22.40	22.37			
10	16QAM	25	25	22.37	22.35	22.38	23.7	2	
10	16QAM	50	0	22.40	22.58	22.50			
10	64QAM	1	0	22.40	22.58	22.34			
10	64QAM	1	25	22.45	22.43	22.37			
10	64QAM	1	49	22.33	22.42	22.42	23.7	2	
10	64QAM	25	0	21.40	21.55	21.50			
10	64QAM	25	12	21.41	21.46	21.49			
10	64QAM	25	25	21.38	21.55	21.35			
10	64QAM	50	0	21.33	21.49	21.50	22.7	3	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.52	24.59	24.54	25.7	0	
5	QPSK	1	12	24.34	24.47	24.40			
5	QPSK	1	24	24.55	24.56	24.43			
5	QPSK	12	0	23.43	23.75	23.50			
5	QPSK	12	7	23.44	23.61	23.51	24.7	1	
5	QPSK	12	13	23.61	23.65	23.67			
5	QPSK	25	0	23.54	23.63	23.51			
5	16QAM	1	0	23.40	23.57	23.55			
5	16QAM	1	12	23.41	23.49	23.53	24.7	1	
5	16QAM	1	24	23.52	23.37	23.40			
5	16QAM	12	0	22.40	22.55	22.56			
5	16QAM	12	7	22.37	22.43	22.43			
5	16QAM	12	13	22.37	22.32	22.44	23.7	2	
5	16QAM	25	0	22.47	22.56	22.47			
5	64QAM	1	0	22.47	22.53	22.41			
5	64QAM	1	12	22.45	22.40	22.41			
5	64QAM	1	24	22.36	22.42	22.40	23.7	2	
5	64QAM	12	0	21.38	21.60	21.52			
5	64QAM	12	7	21.37	21.40	21.51			
5	64QAM	12	13	21.45	21.46	21.42			
5	64QAM	25	0	21.35	21.56	21.49	22.7	3	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.45	24.58	24.55	25.7	0	
3	QPSK	1	8	24.44	24.51	24.40			
3	QPSK	1	14	24.40	24.51	24.50			
3	QPSK	8	0	23.50	23.68	23.53			
3	QPSK	8	4	23.49	23.58	23.51	24.7	1	
3	QPSK	8	7	23.58	23.67	23.65			
3	QPSK	15	0	23.51	23.60	23.52			
3	16QAM	1	0	23.38	23.64	23.53			
3	16QAM	1	8	23.39	23.51	23.51	24.7	1	
3	16QAM	1	14	23.51	23.47	23.40			
3	16QAM	8	0	22.38	22.58	22.54			
3	16QAM	8	4	22.44	22.35	22.36			
3	16QAM	8	7	22.41	22.37	22.47	23.7	2	
3	16QAM	15	0	22.44	22.53	22.50			
3	64QAM	1	0	22.38	22.58	22.44			
3	64QAM	1	8	22.34	22.40	22.35			
3	64QAM	1	14	22.38	22.35	22.47	23.7	2	
3	64QAM	8	0	21.38	21.60	21.48			
3	64QAM	8	4	21.40	21.43	21.41			
3	64QAM	8	7	21.35	21.47	21.45			
3	64QAM	15	0	21.42	21.51	21.57	22.7	3	
Channel				131979	132322	132656			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.56	24.51	24.49	25.7	0	
1.4	QPSK	1	3	24.40	24.50	24.37			
1.4	QPSK	1	5	24.56	24.60	24.42			
1.4	QPSK	3	0	24.39	24.64	24.43			
1.4	QPSK	3	1	24.39	24.55	24.37	24.7	1	
1.4	QPSK	3	3	24.57	24.50	24.52			
1.4	QPSK	6	0	23.46	23.55	23.50			
1.4	16QAM	1	0	23.41	23.63	23.53			
1.4	16QAM	1	3	23.38	23.52	23.50	24.7	1	
1.4	16QAM	1	5	23.50	23.41	23.42			
1.4	16QAM	3	0	23.36	23.45	23.35			
1.4	16QAM	3	1	23.31	23.35	23.23	23.7	2	
1.4	16QAM	3	3	23.27	23.20	23.29			
1.4	16QAM	6	0	22.47	22.50	22.47			
1.4	64QAM	1	0	22.45	22.57	22.40	23.7	2	
1.4	64QAM	1	3	22.40	22.37	22.36			
1.4	64QAM	1	5	22.33	22.37	22.44			
1.4	64QAM	3	0	22.30	22.48	22.24	23.7	2	
1.4	64QAM	3	3	22.28	22.32	22.34			
1.4	64QAM	3	5	22.29	22.42	22.34			
1.4	64QAM	6	0	21.34	21.51	21.52	22.7	3	

Band 38_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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.69	24.78	24.86	25.5	0		
20	QPSK	1	49	24.68	24.75	24.84				
20	QPSK	1	99	24.55	24.66	24.74				
20	QPSK	50	0	23.77	23.81	23.76				
20	QPSK	50	24	23.65	23.64	23.62	24.5	1		
20	QPSK	50	50	23.52	23.64	23.54				
20	QPSK	100	0	23.65	23.69	23.60				
20	16QAM	1	0	23.76	23.77	23.73				
20	16QAM	1	49	23.58	23.57	23.56	24.5	1		
20	16QAM	1	99	23.62	23.64	23.60				
20	16QAM	50	0	22.79	22.75	22.85				
20	16QAM	50	24	22.63	22.63	22.64				
20	16QAM	50	50	22.59	22.69	22.60	23.5	2		
20	16QAM	100	0	22.73	22.71	22.72				
20	64QAM	1	0	22.47	22.51	22.42				
20	64QAM	1	49	22.27	22.22	22.30				
20	64QAM	1	99	22.43	22.40	22.30	23.5	2		
20	64QAM	50	0	21.76	21.73	21.79				
20	64QAM	50	24	21.58	21.63	21.68				
20	64QAM	50	50	21.54	21.49	21.47				
20	64QAM	100	0	21.69	21.69	21.74	22.5	3		
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.53	24.74	24.63	25.5	0		
15	QPSK	1	37	24.62	24.62	24.53				
15	QPSK	1	74	24.41	24.56	24.47				
15	QPSK	36	0	23.74	23.77	23.61				
15	QPSK	36	20	23.57	23.66	23.56	24.5	1		
15	QPSK	36	39	23.47	23.52	23.43				
15	QPSK	75	0	23.56	23.65	23.49				
15	16QAM	1	0	23.68	23.64	23.67				
15	16QAM	1	37	23.54	23.45	23.47	24.5	1		
15	16QAM	1	74	23.48	23.57	23.46				
15	16QAM	36	0	22.73	22.71	22.77				
15	16QAM	36	20	22.53	22.56	22.49				
15	16QAM	36	39	22.48	22.66	22.52	23.5	2		
15	16QAM	75	0	22.66	22.62	22.65				
15	64QAM	1	0	22.35	22.40	22.31				
15	64QAM	1	37	22.22	22.19	22.17				
15	64QAM	1	74	22.35	22.28	22.29	23.5	2		
15	64QAM	36	0	21.65	21.69	21.69				
15	64QAM	36	20	21.52	21.59	21.54				
15	64QAM	36	39	21.47	21.44	21.39				
15	64QAM	75	0	21.58	21.58	21.63	22.5	3		
Channel				37800 <th>38000</th> <th>38200</th>	38000	38200				
Frequency (MHz)				2575 <th>2595</th> <th>2615</th>	2595	2615				
10	QPSK	1	0	24.58	24.71	24.63	25.5	0		
10	QPSK	1	25	24.59	24.67	24.50				
10	QPSK	1	49	24.42	24.56	24.43				
10	QPSK	25	0	23.69	23.76	23.69				
10	QPSK	25	12	23.59	23.66	23.55	24.5	1		
10	QPSK	25	25	23.38	23.58	23.44				
10	QPSK	50	0	23.55	23.66	23.47				
10	16QAM	1	0	23.62	23.65	23.65				
10	16QAM	1	25	23.51	23.52	23.46	24.5	1		
10	16QAM	1	49	23.54	23.54	23.54				
10	16QAM	25	0	22.73	22.66	22.81				
10	16QAM	25	12	22.52	22.53	22.59				
10	16QAM	25	25	22.53	22.60	22.50	23.5	2		
10	16QAM	50	0	22.60	22.62	22.74				
10	64QAM	1	0	22.42	22.37	22.31				
10	64QAM	1	25	22.14	22.11	22.23				
10	64QAM	1	49	22.38	22.31	22.36	23.5	2		
10	64QAM	25	0	21.62	21.58	21.73				
10	64QAM	25	12	21.55	21.59	21.60				
10	64QAM	25	25	21.42	21.37	21.40				
10	64QAM	50	0	21.59	21.61	21.62	22.5	3		
Channel				37775 <th>38000</th> <th>38225</th>	38000	38225				
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th></th>	2595 <th>2617.5</th>	2617.5				
5	QPSK	1	0	24.55	24.75	24.52	25.5	0		
5	QPSK	1	12	24.68	24.64	24.59				
5	QPSK	1	24	24.47	24.62	24.46				
5	QPSK	12	0	23.68	23.69	23.65				
5	QPSK	12	7	23.61	23.65	23.50	24.5	1		
5	QPSK	12	13	23.40	23.55	23.42				
5	QPSK	25	0	23.62	23.64	23.45				
5	16QAM	1	0	23.71	23.74	23.64				
5	16QAM	1	12	23.45	23.43	23.42	24.5	1		
5	16QAM	1	24	23.59	23.56	23.48				
5	16QAM	12	0	22.70	22.69	22.77				
5	16QAM	12	7	22.59	22.56	22.57				
5	16QAM	12	13	22.49	22.66	22.50	23.5	2		
5	16QAM	25	0	22.63	22.64	22.69				
5	64QAM	1	0	22.33	22.38	22.38				
5	64QAM	1	12	22.23	22.09	22.24				
5	64QAM	1	24	22.32	22.29	22.27	23.5	2		
5	64QAM	12	0	21.65	21.63	21.73				
5	64QAM	12	7	21.44	21.49	21.56				
5	64QAM	12	13	21.50	21.36	21.36				
5	64QAM	25	0	21.55	21.62	21.59	22.5	3		
Channel				37725 <th>38000</th> <th>38225</th>	38000	38225				
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th></th>	2595 <th>2617.5</th>	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	24.52	24.54	24.46	25.7	0	
20	QPSK	1	49	24.40	24.47	24.41			
20	QPSK	1	99	24.38	24.51	24.42			
20	QPSK	50	0	23.53	23.60	23.56	24.7	1	
20	QPSK	50	24	23.38	23.39	23.34			
20	QPSK	50	50	23.44	23.55	23.46			
20	QPSK	100	0	23.54	23.57	23.50	24.7	1	
20	16QAM	1	0	23.60	23.63	23.51			
20	16QAM	1	49	23.46	23.45	23.50			
20	16QAM	1	99	23.51	23.52	23.54	23.7	2	
20	16QAM	50	0	22.54	22.58	22.53			
20	16QAM	50	24	22.47	22.45	22.44			
20	16QAM	50	50	22.53	22.48	22.46	23.7	2	
20	16QAM	100	0	22.53	22.55	22.49			
20	64QAM	1	0	22.22	22.28	22.17			
20	64QAM	1	49	22.07	22.03	22.09	23.7	2	
20	64QAM	1	99	22.19	22.20	22.25			
20	64QAM	50	0	21.61	21.52	21.53			
20	64QAM	50	24	21.30	21.37	21.36	22.7	3	
20	64QAM	50	50	21.34	21.33	21.34			
20	64QAM	100	0	21.50	21.47	21.50			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.38	24.45	24.39	25.7	0	
15	QPSK	1	37	24.26	24.34	24.32			
15	QPSK	1	74	24.28	24.41	24.28			
15	QPSK	36	0	23.44	23.52	23.49	24.7	1	
15	QPSK	36	20	23.33	23.35	23.20			
15	QPSK	36	39	23.30	23.49	23.42			
15	QPSK	75	0	23.47	23.45	23.41	24.7	1	
15	16QAM	1	0	23.57	23.57	23.43			
15	16QAM	1	37	23.41	23.41	23.38			
15	16QAM	1	74	23.43	23.46	23.49	23.7	2	
15	16QAM	36	0	22.41	22.57	22.45			
15	16QAM	36	20	22.42	22.34	22.35			
15	16QAM	36	39	22.38	22.43	22.34	23.7	2	
15	16QAM	75	0	22.45	22.48	22.44			
15	64QAM	1	0	22.13	22.23	22.10			
15	64QAM	1	37	21.99	21.96	22.01	23.7	2	
15	64QAM	1	74	22.15	22.14	22.13			
15	64QAM	36	0	21.54	21.48	21.40			
15	64QAM	36	20	21.20	21.34	21.27	22.7	3	
15	64QAM	36	39	21.31	21.22	21.22			
15	64QAM	75	0	21.44	21.33	21.43			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.43	24.41	24.38	25.7	0	
10	QPSK	1	25	24.25	24.37	24.29			
10	QPSK	1	49	24.24	24.47	24.29			
10	QPSK	25	0	23.44	23.54	23.42	24.7	1	
10	QPSK	25	12	23.34	23.38	23.21			
10	QPSK	25	25	23.38	23.43	23.41			
10	QPSK	50	0	23.46	23.51	23.42	24.7	1	
10	16QAM	1	0	23.52	23.54	23.37			
10	16QAM	1	25	23.43	23.31	23.36			
10	16QAM	1	49	23.46	23.39	23.40	23.7	2	
10	16QAM	25	0	22.46	22.56	22.54			
10	16QAM	25	12	22.36	22.37	22.35			
10	16QAM	25	25	22.46	22.35	22.38	23.7	2	
10	16QAM	50	0	22.45	22.49	22.41			
10	64QAM	1	0	22.18	22.23	22.10			
10	64QAM	1	25	21.98	21.98	22.04	23.7	2	
10	64QAM	1	49	22.05	22.05	22.13			
10	64QAM	25	0	21.49	21.48	21.47			
10	64QAM	25	12	21.26	21.33	21.21	22.7	3	
10	64QAM	25	25	21.27	21.29	21.24			
10	64QAM	50	0	21.46	21.42	21.43			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.38	24.48	24.39	25.7	0	
5	QPSK	1	12	24.33	24.32	24.36			
5	QPSK	1	24	24.27	24.46	24.33			
5	QPSK	12	0	23.45	23.56	23.44	24.7	1	
5	QPSK	12	7	23.29	23.33	23.25			
5	QPSK	12	13	23.31	23.46	23.37			
5	QPSK	25	0	23.42	23.53	23.39	24.7	1	
5	16QAM	1	0	23.56	23.56	23.39			
5	16QAM	1	12	23.36	23.40	23.37			
5	16QAM	1	24	23.37	23.44	23.43	23.7	2	
5	16QAM	12	0	22.49	22.47	22.43			
5	16QAM	12	7	22.38	22.32	22.40			
5	16QAM	12	13	22.43	22.33	22.38	23.7	2	
5	16QAM	25	0	22.47	22.52	22.36			
5	64QAM	1	0	22.10	22.17	22.09			
5	64QAM	1	12	22.04	21.92	22.01	23.7	2	
5	64QAM	1	24	22.16	22.15	22.20			
5	64QAM	12	0	21.51	21.38	21.43			
5	64QAM	12	7	21.26	21.23	21.28	22.7	3	
5	64QAM	12	13	21.22	21.21	21.26			
5	64QAM	25	0	21.45	21.33	21.41			

Band 38_Ant 3									
BW [MHz]	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	23.46	23.48	23.40	24.5	0	
20	QPSK	1	49	23.28	23.41	23.34			
20	QPSK	1	99	23.29	23.37	23.33			
20	QPSK	50	0	22.51	22.55	22.49	23.5	1	
20	QPSK	50	24	22.31	22.39	22.34			
20	QPSK	50	50	22.30	22.42	22.44			
20	QPSK	100	0	22.42	22.50	22.44	23.5	1	
20	16QAM	1	0	22.52	22.51	22.47			
20	16QAM	1	49	22.36	22.33	22.42			
20	16QAM	1	99	22.37	22.42	22.41	22.5	2	
20	16QAM	50	0	21.47	21.52	21.53			
20	16QAM	50	24	21.34	21.33	21.38			
20	16QAM	50	50	21.45	21.35	21.41	22.5	2	
20	16QAM	100	0	21.51	21.48	21.45			
20	64QAM	1	0	21.23	21.26	21.17			
20	64QAM	1	49	21.07	21.09	21.05	22.5	2	
20	64QAM	1	99	21.19	21.20	21.20			
20	64QAM	50	0	20.52	20.51	20.49			
20	64QAM	50	24	20.40	20.37	20.39	21.5	3	
20	64QAM	50	50	20.31	20.28	20.27			
20	64QAM	100	0	20.48	20.44	20.41			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.33	23.45	23.37	24.5	0	
15	QPSK	1	37	23.19	23.32	23.22			
15	QPSK	1	74	23.20	23.25	23.21			
15	QPSK	36	0	22.37	22.43	22.41	23.5	1	
15	QPSK	36	20	22.22	22.25	22.20			
15	QPSK	36	39	22.23	22.34	22.23			
15	QPSK	75	0	22.29	22.41	22.32	23.5	1	
15	16QAM	1	0	22.47	22.42	22.37			
15	16QAM	1	37	22.33	22.28	22.38			
15	16QAM	1	74	22.24	22.28	22.31	22.5	2	
15	16QAM	36	0	21.43	21.47	21.38			
15	16QAM	36	20	21.30	21.24	21.30			
15	16QAM	36	39	21.36	21.25	21.29	22.5	2	
15	16QAM	75	0	21.48	21.44	21.37			
15	16QAM	1	0	21.10	21.17	21.14			
15	16QAM	1	37	20.96	21.02	20.95	22.5	2	
15	16QAM	1	74	21.10	21.08	21.06			
15	16QAM	36	0	20.45	20.46	20.38			
15	16QAM	36	20	20.27	20.30	20.33	21.5	3	
15	16QAM	36	39	20.22	20.14	20.17			
15	16QAM	75	0	20.37	20.37	20.29			
Channel				37800	38000	38200			
Frequency (MHz)				2574.5	2595	2615			
10	QPSK	1	0	23.36	23.36	23.36	24.5	0	
10	QPSK	1	25	23.18	23.30	23.24			
10	QPSK	1	49	23.22	23.23	23.27			
10	QPSK	25	0	22.45	22.50	22.41	23.5	1	
10	QPSK	25	12	22.26	22.31	22.19			
10	QPSK	25	25	22.22	22.35	22.22			
10	QPSK	50	0	22.32	22.40	22.38	23.5	1	
10	16QAM	1	0	22.39	22.47	22.42			
10	16QAM	1	25	22.31	22.19	22.23			
10	16QAM	1	49	22.27	22.33	22.30	22.5	2	
10	16QAM	25	0	21.47	21.44	21.44			
10	16QAM	25	12	21.19	21.25	21.29			
10	16QAM	25	25	21.32	21.26	21.38	22.5	2	
10	16QAM	50	0	21.37	21.36	21.38			
10	16QAM	1	0	21.09	21.14	21.10			
10	64QAM	1	25	20.95	20.98	21.00	22.5	2	
10	64QAM	1	49	21.12	21.10	21.12			
10	64QAM	25	0	20.43	20.39	20.37			
10	64QAM	25	12	20.29	20.28	20.24	21.5	3	
10	64QAM	25	25	20.26	20.19	20.22			
10	64QAM	50	0	20.37	20.40	20.29			
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.34	23.37	23.32	24.5	0	
5	QPSK	1	12	23.16	23.34	23.20			
5	QPSK	1	24	23.14	23.28	23.26			
5	QPSK	12	0	22.42	22.43	22.42	23.5	1	
5	QPSK	12	7	22.27	22.28	22.22			
5	QPSK	12	13	22.26	22.31	22.27			
5	QPSK	25	0	22.30	22.36	22.40	23.5	1	
5	16QAM	1	0	22.41	22.41	22.39			
5	16QAM	1	12	22.22	22.29	22.28			
5	16QAM	1	24	22.34	22.30	22.36	22.5	2	
5	16QAM	12	0	21.43	21.38	21.44			
5	16QAM	12	7	21.25	21.26	21.26			
5	16QAM	12	13	21.32	21.33	21.28	21.5	3	
5	16QAM	25	0	21.44	21.35	21.34			
5	64QAM	1	0	21.14	21.11	21.12			
5	64QAM	1	12	21.03	21.03	20.92	22.5	2	
5	64QAM	1	24	21.10	21.13	21.16			
5	64QAM	12	0	20.43	20.45	20.43			
5	64QAM	12	7	20.36	20.36	20.34	21.5	3	
5	64QAM	12	13	20.20	20.20	20.16			
5	64QAM	25	0	20.44	20.30	20.34			

Band 41_Ant 0											
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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.75	24.78	24.91	24.82	24.78	25.5	0	
20	QPSK	1	49	24.68	24.74	24.78	24.64	24.67			
20	QPSK	1	99	24.63	24.61	24.67	24.62	24.58			
20	QPSK	50	0	23.76	23.70	23.99	23.85	23.80			
20	QPSK	50	24	23.61	23.67	23.93	23.63	23.61	24.5	1	
20	QPSK	50	50	23.59	23.64	23.63	23.54	23.57			
20	QPSK	100	0	23.79	23.76	23.88	23.81	23.83			
20	16QAM	1	0	23.78	23.61	23.77	23.82	23.86			
20	16QAM	1	49	23.56	23.59	23.56	23.52	23.57	24.5	1	
20	16QAM	1	99	23.55	23.67	23.65	23.59	23.63			
20	16QAM	50	0	22.77	22.63	22.63	22.87	22.84			
20	16QAM	50	24	22.61	22.59	22.57	22.62	22.60			
20	16QAM	50	50	22.59	22.65	22.61	22.65	22.62	23.5	2	
20	16QAM	100	0	22.78	22.69	22.73	22.86	22.89			
20	64QAM	1	0	22.41	22.31	22.59	22.42	22.53			
20	64QAM	1	49	22.39	22.41	22.47	22.45	22.50			
20	64QAM	1	99	22.46	22.49	22.48	22.50	22.49	23.5	2	
20	64QAM	50	0	21.72	21.64	21.84	21.83	21.89			
20	64QAM	50	24	21.76	21.80	21.78	21.75	21.75			
20	64QAM	50	50	21.69	21.73	21.70	21.71	21.75			
20	64QAM	100	0	21.71	21.68	21.85	21.75	21.82	22.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.71	24.74	24.78	24.70	24.68	25.5	0	
15	QPSK	1	37	24.54	24.67	24.68	24.58	24.53			
15	QPSK	1	74	24.57	24.51	24.63	24.50	24.51			
15	QPSK	36	0	23.67	23.66	23.84	23.73	23.72			
15	QPSK	36	20	23.48	23.56	23.56	23.58	23.51	24.5	1	
15	QPSK	36	39	23.45	23.61	23.55	23.45	23.47			
15	QPSK	75	0	23.64	23.72	23.84	23.76	23.75			
15	16QAM	1	0	23.65	23.52	23.71	23.74	23.82			
15	16QAM	1	37	23.48	23.53	23.44	23.47	23.52	24.5	1	
15	16QAM	1	74	23.44	23.60	23.60	23.49	23.58			
15	16QAM	36	0	22.69	22.59	22.73	22.80	22.71			
15	16QAM	36	20	22.53	22.55	22.44	22.57	22.54			
15	16QAM	36	39	22.45	22.62	22.47	22.56	22.54	23.5	2	
15	16QAM	75	0	22.66	22.60	22.66	22.81	22.77			
15	64QAM	1	0	22.30	22.25	22.53	22.30	22.40			
15	64QAM	1	37	22.27	22.27	22.40	22.38	22.40			
15	64QAM	1	74	22.36	22.35	22.35	22.46	22.34	23.5	2	
15	64QAM	36	0	21.63	21.58	21.76	21.69	21.84			
15	64QAM	36	20	21.63	21.65	21.66	21.71	21.68			
15	64QAM	36	39	21.60	21.69	21.67	21.60	21.71			
15	64QAM	75	0	21.57	21.56	21.79	21.71	21.71	22.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.65	24.66	24.86	24.67	24.70	25.5	0	
10	QPSK	1	25	24.65	24.71	24.65	24.58	24.53			
10	QPSK	1	49	24.60	24.54	24.60	24.53	24.51			
10	QPSK	25	0	23.68	23.57	23.78	23.71	23.69			
10	QPSK	25	12	23.48	23.55	23.66	23.51	23.54	24.5	1	
10	QPSK	25	25	23.55	23.52	23.53	23.50	23.52			
10	QPSK	50	0	23.70	23.71	23.82	23.75	23.76			
10	16QAM	1	0	23.68	23.56	23.66	23.77	23.79			
10	16QAM	1	25	23.48	23.47	23.48	23.45	23.49	24.5	1	
10	16QAM	1	49	23.42	23.62	23.60	23.46	23.60			
10	16QAM	25	0	22.70	22.56	22.75	22.78	22.78			
10	16QAM	25	12	22.53	22.55	22.50	22.56	22.53			
10	16QAM	25	25	22.53	22.57	22.51	22.54	22.56	23.5	2	
10	16QAM	50	0	22.64	22.65	22.59	22.77	22.74			
10	64QAM	1	0	22.32	22.21	22.53	22.34	22.44			
10	64QAM	1	25	22.25	22.28	22.33	22.38	22.40			
10	64QAM	1	49	22.37	22.37	22.40	22.42	22.42	23.5	2	
10	64QAM	25	0	21.65	21.55	21.80	21.77	21.80			
10	64QAM	25	12	21.64	21.76	21.63	21.69	21.65			
10	64QAM	25	25	21.63	21.67	21.62	21.61	21.67			
10	64QAM	50	0	21.64	21.59	21.71	21.67	21.72	22.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.66	24.74	24.81	24.78	24.71	25.5	0	
5	QPSK	1	12	24.56	24.71	24.72	24.55	24.54			
5	QPSK	1	24	24.56	24.49	24.58	24.49	24.52			
5	QPSK	12	0	23.64	23.63	23.80	23.77	23.72			
5	QPSK	12	7	23.47	23.57	23.62	23.54	23.48	24.5	1	
5	QPSK	12	13	23.50	23.53	23.55	23.47	23.51			
5	QPSK	25	0	23.75	23.67	23.73	23.77	23.77			
5	16QAM	1	0	23.67	23.55	23.72	23.76	23.81			
5	16QAM	1	12	23.43	23.46	23.44	23.45	23.53	24.5	1	
5	16QAM	1	24	23.51	23.56	23.56	23.49	23.58			
5	16QAM	12	0	22.73	22.50	22.70	22.74	22.73			
5	16QAM	12	7	22.54	22.55	22.53	22.52	22.48			
5	16QAM	12	13	22.54	22.51	22.51	22.52	22.49	23.5	2	
5	16QAM	25	0	22.73	22.59	22.60	22.83	22.84			
5	64QAM	1	0	22.28	22.18	22.45	22.34	22.49			
5	64QAM	1	12	22.35	22.32	22.44	22.35	22.42			
5	64QAM	1	24	22.42	22.45	22.43	22.40	22.43	22.5	3	
5	64QAM	12	0	21.63	21.53	21.77	21.69	21.81			
5	64QAM	12	7	21.64	21.66	21.72	21.60	21.71			
5	64QAM	12	13	21.64	21.65	21.65	21.57	21.70			
5	64QAM	25	0	21.67	21.57	21.73	21.61	21.75			

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.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	24.01	23.86	24.03	23.91	23.96	25	0				
20	QPSK	1	49	23.97	23.78	24.01	23.81	23.93						
20	QPSK	1	99	23.80	23.77	23.83	23.79	23.68						
20	QPSK	50	0	22.91	22.76	22.92	22.74	22.83						
20	QPSK	50	24	22.85	22.75	22.92	22.71	22.83	24	1				
20	QPSK	50	50	22.78	22.69	22.83	22.73	22.75						
20	QPSK	100	0	22.84	22.78	22.90	22.85	22.81						
20	16QAM	1	0	22.87	22.66	22.93	22.81	22.80						
20	16QAM	1	49	22.70	22.68	22.72	22.65	22.70	24	1				
20	16QAM	1	99	22.78	22.81	22.77	22.81	22.83	23	2				
20	16QAM	50	0	21.92	21.82	21.94	21.74	21.86						
20	16QAM	50	24	21.84	21.84	21.75	21.84	21.78						
20	16QAM	50	50	21.79	21.70	21.68	21.78	21.72						
20	16QAM	100	0	21.90	21.62	21.87	21.55	21.72	23	2				
20	64QAM	1	0	21.66	21.40	21.64	21.34	21.41						
20	64QAM	1	49	21.52	21.37	21.40	21.36	21.42						
20	64QAM	1	99	21.42	21.53	21.51	21.47	21.43						
20	64QAM	50	0	20.88	20.57	20.90	20.57	20.81	22	3				
20	64QAM	50	24	20.74	20.78	20.77	20.67	20.73						
20	64QAM	50	50	20.68	20.74	20.78	20.76	20.72						
20	64QAM	100	0	20.82	20.58	20.64	20.53	20.68						
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	23.91	23.56	23.90	23.58	23.86	25	0				
15	QPSK	1	37	23.87	23.71	23.97	23.77	23.90						
15	QPSK	1	74	23.70	23.70	23.84	23.74	23.86						
15	QPSK	36	0	22.78	22.59	22.82	22.58	22.77						
15	QPSK	36	20	22.82	22.69	22.80	22.70	22.72	24	1				
15	QPSK	36	39	22.70	22.57	22.79	22.74	22.63						
15	QPSK	75	0	22.80	22.69	22.84	22.73	22.73						
15	16QAM	1	0	22.72	22.56	22.79	22.49	22.67						
15	16QAM	1	37	22.65	22.60	22.69	22.49	22.61	24	1				
15	16QAM	1	74	22.74	22.66	22.66	22.57	22.74						
15	16QAM	36	0	21.84	21.63	21.88	21.50	21.79						
15	16QAM	36	20	21.75	21.79	21.62	21.73	21.71						
15	16QAM	36	39	21.71	21.63	21.63	21.74	21.69	23	2				
15	16QAM	75	0	21.81	21.49	21.74	21.41	21.65						
15	64QAM	1	0	21.53	21.31	21.60	21.22	21.35						
15	64QAM	1	37	21.33	21.29	21.42	21.27	21.33						
15	64QAM	1	74	21.48	21.40	21.40	21.43	21.29	23	2				
15	64QAM	36	0	20.79	20.44	20.77	20.58	20.73						
15	64QAM	36	20	20.68	20.72	20.67	20.55	20.61						
15	64QAM	36	39	20.61	20.61	20.73	20.65	20.64						
15	64QAM	75	0	20.88	20.46	20.76	20.47	20.56	22	3				
Channel				39600	40160	40620	41080	41540				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504.7	2547.1	2593	2639	2685						
10	QPSK	1	0	23.97	23.58	23.94	23.57	23.88				25	0	
10	QPSK	1	25	23.88	23.74	23.90	23.77	23.86						
10	QPSK	1	49	23.73	23.62	23.77	23.74	23.60						
10	QPSK	25	0	22.78	22.67	22.80	22.54	22.74						
10	QPSK	25	12	22.81	22.69	22.84	22.73	22.76	24	1				
10	QPSK	25	25	22.73	22.56	22.71	22.68	22.65						
10	QPSK	50	0	22.78	22.63	22.77	22.79	22.78						
10	16QAM	1	0	22.73	22.60	22.87	22.47	22.67						
10	16QAM	1	25	22.80	22.59	22.61	22.56	22.64	24	1				
10	16QAM	1	49	22.70	22.78	22.68	22.70	22.79						
10	16QAM	25	0	21.82	21.57	21.83	21.51	21.72						
10	16QAM	25	12	21.75	21.81	21.61	21.80	21.67						
10	16QAM	25	25	21.71	21.61	21.54	21.66	21.64	23	2				
10	16QAM	50	0	21.82	21.57	21.80	21.45	21.67						
10	64QAM	1	0	21.55	21.31	21.51	21.19	21.29						
10	64QAM	1	25	21.31	21.30	21.33	21.31	21.37						
10	64QAM	1	49	21.38	21.42	21.42	21.37	21.35	23	2				
10	64QAM	25	0	20.78	20.46	20.81	20.51	20.78						
10	64QAM	25	12	20.63	20.66	20.72	20.62	20.65						
10	64QAM	25	25	20.65	20.67	20.73	20.65	20.62						
10	64QAM	50	0	20.69	20.48	20.75	20.47	20.61	22	3				
Channel				39575	40148	40620	41093	41555				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	23.95	23.57	23.95	23.62	23.84				25	0	
5	QPSK	1	12	23.87	23.83	23.89	23.79	23.85						
5	QPSK	1	24	23.76	23.71	23.70	23.74	23.65						
5	QPSK	12	0	22.76	22.65	22.81	22.58	22.71						
5	QPSK	12	7	22.74	22.68	22.81	22.64	22.68	24	1				
5	QPSK	12	13	22.68	22.62	22.76	22.72	22.67						
5	QPSK	25	0	22.75	22.65	22.77	22.74	22.72						
5	16QAM	1	0	22.84	22.53	22.89	22.55	22.67						
5	16QAM	1	12	22.84	22.63	22.63	22.61	22.55	24	1				
5	16QAM	1	24	22.67	22.71	22.69	22.70	22.76						
5	16QAM	12	0	21.88	21.62	21.89	21.56	21.76						
5	16QAM	12	7	21.73	21.76	21.69	21.75	21.67						
5	16QAM	12	13	21.68	21.61	21.58	21.75	21.67	23	2				
5	16QAM	25	0	21.78	21.51	21.79	21.41	21.63						
5	64QAM	1	0	21.54	21.34	21.58	21.22	21.36						
5	64QAM	1	12	21.36	21.22	21.32	21.29	21.34						
5	64QAM	1	24	21.48	21.47	21.46	21.34	21.37	23	2				
5	64QAM	12	0	20.76	20.46	20.84	20.53	20.76						
5	64QAM	12	7	20.63	20.70	20.72	20.67	20.68						
5	64QAM	12	13	20.65	20.59	20.65	20.65	20.66						
5	64QAM	25	0	20.69	20.46	20.77	20.42	20.59	22	3				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.58	24.60	24.62	24.56	24.59	25.7	0		
20	QPSK	1	49	24.39	24.35	24.45	24.35	24.40				
20	QPSK	1	99	24.52	24.44	24.56	24.45	24.50				
20	QPSK	50	0	23.80	23.61	23.69	23.63	23.67	24.7	1		
20	QPSK	50	24	23.52	23.59	23.64	23.52	23.53				
20	QPSK	50	50	23.43	23.45	23.58	23.44	23.47				
20	QPSK	100	0	23.52	23.55	23.65	23.61	23.52	24.7	1		
20	16QAM	1	0	23.61	23.63	23.61	23.62	23.64				
20	16QAM	1	49	23.46	23.51	23.50	23.48	23.41				
20	16QAM	1	99	23.47	23.44	23.41	23.42	23.39	23.7	2		
20	16QAM	50	0	22.60	22.61	22.62	22.72	22.68				
20	16QAM	50	24	22.49	22.51	22.53	22.48	22.46				
20	16QAM	50	50	22.49	22.44	22.46	22.50	22.44	23.7	2		
20	16QAM	100	0	22.59	22.61	22.57	22.65	22.73				
20	64QAM	1	0	22.22	22.24	22.35	22.24	22.30				
20	64QAM	1	49	22.20	22.19	22.23	22.22	22.21	23.7	2		
20	64QAM	1	99	22.20	22.20	22.17	22.16	22.19				
20	64QAM	50	0	21.56	21.57	21.60	21.63	21.65				
20	64QAM	50	24	21.42	21.44	21.45	21.46	21.52	22.7	3		
20	64QAM	50	50	21.43	21.44	21.43	21.41	21.35				
20	64QAM	100	0	21.54	21.57	21.55	21.63	21.71				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.51	24.48	24.48	24.42	24.51	25.7	0		
15	QPSK	1	37	24.28	24.27	24.39	24.24	24.35				
15	QPSK	1	74	24.46	24.30	24.49	24.35	24.39				
15	QPSK	36	0	23.51	23.47	23.57	23.48	23.59	24.7	1		
15	QPSK	36	20	23.45	23.53	23.58	23.48	23.40				
15	QPSK	36	39	23.36	23.34	23.44	23.36	23.39				
15	QPSK	75	0	23.48	23.43	23.58	23.51	23.40	24.7	1		
15	16QAM	1	0	23.53	23.52	23.56	23.47	23.54				
15	16QAM	1	37	23.42	23.45	23.46	23.35	23.37				
15	16QAM	1	74	23.42	23.40	23.35	23.33	23.28	23.7	2		
15	16QAM	36	0	22.49	22.49	22.58	22.67	22.58				
15	16QAM	36	20	22.45	22.46	22.50	22.38	22.40				
15	16QAM	36	39	22.37	22.37	22.37	22.47	22.34	23.7	2		
15	16QAM	75	0	22.44	22.48	22.42	22.60	22.66				
15	64QAM	1	0	22.12	22.18	22.27	22.10	22.16				
15	64QAM	1	37	22.14	22.11	22.13	22.13	22.08	23.7	2		
15	64QAM	1	74	22.13	22.13	22.11	22.03	22.05				
15	64QAM	36	0	21.51	21.53	21.51	21.54	21.62				
15	64QAM	36	20	21.38	21.37	21.30	21.40	21.42	22.7	3		
15	64QAM	36	39	21.36	21.36	21.33	21.30	21.24				
15	64QAM	75	0	21.40	21.47	21.42	21.51	21.62				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.52	24.55	24.58	24.52	24.45	25.7	0		
10	QPSK	1	25	24.26	24.23	24.34	24.28	24.32				
10	QPSK	1	49	24.42	24.30	24.45	24.34	24.35				
10	QPSK	25	0	23.47	23.52	23.60	23.50	23.59	24.7	1		
10	QPSK	25	12	23.41	23.48	23.52	23.38	23.39				
10	QPSK	25	25	23.33	23.33	23.54	23.37	23.40				
10	QPSK	50	0	23.41	23.45	23.55	23.58	23.47	24.7	1		
10	16QAM	1	0	23.50	23.50	23.51	23.52	23.60				
10	16QAM	1	25	23.33	23.40	23.44	23.44	23.35				
10	16QAM	1	49	23.40	23.31	23.36	23.27	23.30	23.7	2		
10	16QAM	25	0	22.55	22.56	22.54	22.59	22.60				
10	16QAM	25	12	22.43	22.40	22.49	22.39	22.40				
10	16QAM	25	25	22.41	22.40	22.33	22.38	22.40	23.7	2		
10	16QAM	50	0	22.45	22.57	22.45	22.38	22.59				
10	64QAM	1	0	22.17	22.15	22.21	22.18	22.27				
10	64QAM	1	25	22.10	22.14	22.18	22.18	22.18	23.7	2		
10	64QAM	1	49	22.06	22.10	22.07	22.12	22.10				
10	64QAM	25	0	21.41	21.43	21.48	21.53	21.53				
10	64QAM	25	12	21.38	21.39	21.34	21.32	21.39	22.7	3		
10	64QAM	25	25	21.39	21.37	21.30	21.37	21.21				
10	64QAM	50	0	21.51	21.45	21.41	21.49	21.64				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.48	24.49	24.59	24.41	24.51	25.7	0		
5	QPSK	1	12	24.30	24.26	24.37	24.22	24.34				
5	QPSK	1	24	24.48	24.34	24.53	24.39	24.46				
5	QPSK	12	0	23.54	23.47	23.64	23.54	23.59	24.7	1		
5	QPSK	12	7	23.48	23.56	23.53	23.41	23.43				
5	QPSK	12	13	23.35	23.38	23.44	23.31	23.40				
5	QPSK	25	0	23.47	23.46	23.58	23.47	23.46	24.7	1		
5	16QAM	1	0	23.49	23.53	23.47	23.50	23.55				
5	16QAM	1	12	23.42	23.43	23.43	23.40	23.38				
5	16QAM	1	24	23.33	23.30	23.30	23.29	23.26	23.7	2		
5	16QAM	12	0	22.56	22.52	22.49	22.59	22.61				
5	16QAM	12	7	22.45	22.39	22.48	22.44	22.41				
5	16QAM	12	13	22.44	22.31	22.43	22.39	22.30	23.7	2		
5	16QAM	25	0	22.49	22.52	22.43	22.54	22.67				
5	64QAM	1	0	22.14	22.18	22.26	22.14	22.26				
5	64QAM	1	12	22.10	22.10	22.09	22.13	22.12	23.7	2		
5	64QAM	1	24	22.11	22.09	22.07	22.06	22.09				
5	64QAM	12	0	21.42	21.53	21.47	21.50	21.56				
5	64QAM	12	7	21.37	21.37	21.34	21.37	21.39	22.7	3		
5	64QAM	12	13	21.31	21.38	21.37	21.31	21.24				
5	64QAM	25	0	21.42	21.48	21.49	21.48	21.63				

Band 41_Ant 3												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.49	23.33	23.53	23.38	23.50	24.5	0		
20	QPSK	1	49	23.30	23.31	23.41	23.37	23.28				
20	QPSK	1	99	23.31	23.31	23.36	23.21	23.24				
20	QPSK	50	0	22.49	22.38	22.49	22.38	22.49	23.5	1		
20	QPSK	50	24	22.38	22.38	22.42	22.32	22.35				
20	QPSK	50	50	22.32	22.27	22.39	22.32	22.35				
20	QPSK	100	0	22.36	22.36	22.49	22.40	22.42	23.5	1		
20	16QAM	1	0	22.52	22.30	22.55	22.39	22.51				
20	16QAM	1	49	22.38	22.42	22.37	22.42	22.39				
20	16QAM	1	99	22.45	22.42	22.46	22.45	22.45	22.5	2		
20	16QAM	50	0	21.46	21.35	21.46	21.35	21.48				
20	16QAM	50	24	21.43	21.38	21.38	21.43	21.42				
20	16QAM	50	50	21.35	21.37	21.39	21.30	21.32	21.5	3		
20	16QAM	100	0	21.46	21.30	21.52	21.40	21.54				
20	64QAM	1	0	21.22	21.07	21.29	21.14	21.32				
20	64QAM	1	49	21.21	21.12	21.10	21.08	21.11	22.5	2		
20	64QAM	1	99	21.21	21.22	21.20	21.21	21.23				
20	64QAM	50	0	20.41	20.38	20.37	20.46	20.46				
20	64QAM	50	24	20.44	20.43	20.37	20.41	20.38	21.5	3		
20	64QAM	50	50	20.29	20.30	20.34	20.34	20.27				
20	64QAM	100	0	20.42	20.23	20.47	20.37	20.40				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.20	23.46	23.26	23.42	23.5	1		
15	QPSK	1	37	23.17	23.23	23.30	23.32	23.21				
15	QPSK	1	74	23.16	23.28	23.33	23.33	23.14				
15	QPSK	36	0	22.35	22.26	22.43	22.39	22.42	23.5	1		
15	QPSK	36	20	22.33	22.29	22.37	22.25	22.20				
15	QPSK	36	39	22.26	22.18	22.32	22.24	22.27				
15	QPSK	75	0	22.32	22.31	22.42	22.29	22.29	23.5	1		
15	16QAM	1	0	22.44	22.22	22.47	22.34	22.47				
15	16QAM	1	37	22.33	22.33	22.33	22.28	22.25				
15	16QAM	1	74	22.32	22.31	22.33	22.35	22.28	22.5	2		
15	16QAM	36	0	21.43	21.27	21.51	21.42	21.37				
15	16QAM	36	20	21.32	21.29	21.31	21.30	21.32				
15	16QAM	36	39	21.24	21.27	21.31	21.17	21.24	21.5	3		
15	16QAM	75	0	21.41	21.20	21.40	21.33	21.43				
15	64QAM	1	0	21.09	21.02	21.15	21.06	21.08				
15	64QAM	1	37	21.08	21.05	21.09	21.00	20.99	22.5	2		
15	64QAM	1	74	21.09	21.12	21.12	21.18	21.14				
15	64QAM	36	0	20.28	20.23	20.38	20.37	20.32				
15	64QAM	36	20	20.35	20.37	20.26	20.26	20.30	21.5	3		
15	64QAM	36	39	20.17	20.25	20.23	20.24	20.19				
15	64QAM	75	0	20.35	20.08	20.42	20.27	20.31				
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2500	2547	2593	2633	2685				
10	QPSK	1	0	23.35	23.28	23.43	23.28	23.43	24.5	0		
10	QPSK	1	25	23.20	23.24	23.37	23.25	23.20				
10	QPSK	1	49	23.22	23.29	23.26	23.13	23.09				
10	QPSK	25	0	22.30	22.19	22.42	22.38	22.39	23.5	1		
10	QPSK	25	12	22.24	22.25	22.35	22.25	22.25				
10	QPSK	25	25	22.28	22.19	22.32	22.20	22.22				
10	QPSK	50	0	22.26	22.39	22.43	22.30	22.45	23.5	1		
10	16QAM	1	0	22.50	22.17	22.47	22.29	22.45				
10	16QAM	1	25	22.28	22.36	22.23	22.34	22.27				
10	16QAM	1	49	22.38	22.39	22.43	22.40	22.29	22.5	2		
10	16QAM	25	0	21.39	21.21	21.42	21.43	21.41				
10	16QAM	25	12	21.33	21.24	21.26	21.37	21.35				
10	16QAM	25	25	21.26	21.21	21.30	21.18	21.22	22.5	2		
10	16QAM	50	0	21.31	21.16	21.26	21.17	21.47				
10	64QAM	1	0	21.17	20.96	21.18	21.07	21.28				
10	64QAM	1	25	21.03	21.05	20.99	21.05	21.06	22.5	2		
10	64QAM	1	49	21.08	21.07	21.06	21.10	21.19				
10	64QAM	25	0	20.31	20.23	20.44	20.37	20.43				
10	64QAM	25	12	20.37	20.30	20.27	20.29	20.31	21.5	3		
10	64QAM	25	25	20.22	20.22	20.22	20.20	20.19				
10	64QAM	50	0	20.27	20.09	20.43	20.28	20.28				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.37	23.23	23.47	23.30	23.43	24.5	0		
5	QPSK	1	12	23.17	23.24	23.35	23.30	23.22				
5	QPSK	1	24	23.19	23.23	23.21	23.15	23.18				
5	QPSK	12	0	22.36	22.27	22.41	22.33	22.34	23.5	1		
5	QPSK	12	7	22.26	22.26	22.39	22.17	22.31				
5	QPSK	12	13	22.29	22.21	22.32	22.19	22.22				
5	QPSK	25	0	22.24	22.26	22.44	22.29	22.34	23.5	1		
5	16QAM	1	0	22.43	22.25	22.47	22.26	22.47				
5	16QAM	1	12	22.35	22.38	22.27	22.37	22.36				
5	16QAM	1	24	22.33	22.30	22.42	22.33	22.28	22.5	2		
5	16QAM	12	0	21.41	21.28	21.46	21.44	21.45				
5	16QAM	12	7	21.36	21.34	21.32	21.30	21.33				
5	16QAM	12	13	21.28	21.27	21.33	21.26	21.20	21.5	3		
5	16QAM	25	0	21.40	21.26	21.38	21.37	21.48				
5	64QAM	1	0	21.07	20.93	21.20	21.00	21.27				
5	64QAM	1	12	21.10	21.03	21.04	20.93	21.07	22.5	2		
5	64QAM	1	24	21.15	21.12	21.12	21.09	21.12				
5	64QAM	12	0	20.30	20.26	20.29	20.27	20.35				
5	64QAM	12	7	20.32	20.39	20.27	20.38	20.32	21.5	3		
5	64QAM	12	13	20.24	20.19	20.29	20.20	20.19				
5	64QAM	25	0	20.28	20.15	20.40	20.32	20.26				

GSM900_Ant 0				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				512	561	180	251	Limit				512	561	180	251	Limit			
Frequency (MHz)				824.2	836.4	848.8		(dBm)				824.2	836.4	848.8		(dBm)			
GSM 1 Tx slot				32.70	32.74	32.72	33.50	23.70	23.74	23.72	24.50	32.70	32.74	32.72	33.50	23.70	23.74	23.72	24.50
GPRS 1 Tx slot				32.66	32.68	32.69	33.50	23.66	23.68	23.69	24.50	32.66	32.68	32.69	33.50	23.66	23.68	23.69	24.50
GPRS 2 Tx slots				30.19	30.14	30.22	30.50	24.19	24.14	24.22	24.50	30.19	30.14	30.22	30.50	24.19	24.14	24.22	24.50
GPRS 3 Tx slots				28.35	28.33	28.36	28.70	24.09	24.07	24.10	24.44	28.35	28.33	28.36	28.70	24.09	24.07	24.10	24.44
GPRS 4 Tx slots				26.53	26.56	26.52	27.50	23.53	23.56	23.52	24.50	26.53	26.56	26.52	27.50	23.53	23.56	23.52	24.50
EDGE 1 Tx slot				26.61	26.66	26.61	27.50	17.61	17.66	17.61	18.50	26.61	26.66	26.61	27.50	17.61	17.66	17.61	18.50
EDGE 2 Tx slots				23.65	23.67	23.64	24.50	17.65	17.67	17.64	18.50	23.65	23.67	23.64	24.50	17.65	17.67	17.64	18.50
EDGE 3 Tx slots				21.73	21.78	21.71	22.70	17.47	17.52	17.45	18.44	21.73	21.78	21.71	22.70	17.47	17.52	17.45	18.44
EDGE 4 Tx slots				20.94	20.97	20.86	21.50	17.94	17.97	17.86	18.50	20.94	20.97	20.86	21.50	17.94	17.97	17.86	18.50

GSM900_Ant 0				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				512	561	810		Limit				512	561	810		Limit			
Frequency (MHz)				1850.2	1860	1909.8		(dBm)				1850.2	1860	1909.8		(dBm)			
GSM 1 Tx slot				29.38	29.48	29.46	30.50	20.38	20.48	20.46	21.50	29.38	29.48	29.46	30.50	20.38	20.48	20.46	21.50
GPRS 1 Tx slot				29.35	29.44	29.42	30.50	20.35	20.44	20.42	21.50	29.35	29.44	29.42	30.50	20.35	20.44	20.42	21.50
GPRS 2 Tx slots				26.93	27.01	26.99	27.50	20.93	21.01	20.99	21.50	26.93	27.01	26.99	27.50	20.93	21.01	20.99	21.50
GPRS 3 Tx slots				25.14	25.26	25.22	25.70	20.88	21.00	20.96	21.44	25.14	25.26	25.22	25.70	20.88	21.00	20.96	21.44
GPRS 4 Tx slots				23.84	23.93	23.89	24.50	20.84	20.93	20.89	21.50	23.84	23.93	23.89	24.50	20.84	20.93	20.89	21.50
EDGE 1 Tx slot				23.75	23.66	23.66	26.50	16.75	16.66	16.66	17.50	23.75	23.66	23.66	26.50	16.75	16.66	16.66	17.50
EDGE 2 Tx slots				22.31	22.26	22.26	23.50	16.31	16.26	16.26	17.50	22.31	22.26	22.26	23.50	16.31	16.26	16.26	17.50
EDGE 3 Tx slots				20.02	19.91	19.97	21.70	15.76	15.65	15.71	17.44	20.02	19.91	19.97	21.70	15.76	15.65	15.71	17.44
EDGE 4 Tx slots				19.11	19.04	19.08	20.50	16.11	16.04	16.06	17.50	19.11	19.04	19.08	20.50	16.11	16.04	16.06	17.50

Band		WCDMA I_Ant 0				WCDMA I_Ant 2				Tune-up	
TX Channel		9262	9400	9538		9262	9400	9538		Tune-up	
Rx Channel		9662	9800	9938		9662	9800	9938		Limit	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		Limit (dBm)	
3GPP Rel 99	AMR 12.2Kbps	21.41	21.48	21.47	22.00	20.50	20.55	20.49	21.50	21.41	21.50
3GPP Rel 99	RMC 12.2Kbps	21.43	21.51	21.50	22.00	20.54	20.57	20.53	21.50	21.43	21.50
3GPP Rel 6	HS-DSA Subtest-1	20.30	20.63	20.51	21.00	19.37	19.75	19.68	20.50	20.30	20.50
3GPP Rel 6	HS-DSA Subtest-2	20.63	20.60	20.59	21.00	19.73	19.48	19.64	20.50	20.63	20.50
3GPP Rel 6	HS-DSA Subtest-3	19.89	20.04	19.86	20.50	18.92	18.90	18.86	20.00	19.89	20.00
3GPP Rel 6	HS-DSA Subtest-4	20.01	20.21	19.85	20.50	19.05	19.39	19.14	20.00	20.01	20.00
3GPP Rel 6	DC-HS-DSA Subtest-1	20.80	20.61	20.71	21.00	19.61	19.73	19.82	20.50	20.80	20.50
3GPP Rel 6	DC-HS-DSA Subtest-2	20.43	20.52	20.61	21.00	19.53	19.73	19.47	20.50	20.43	20.50
3GPP Rel 6	DC-HS-DSA Subtest-3	20.05	20.02	19.90	20.50	19.28	19.29	19.12	20.00	20.05	20.00
3GPP Rel 6	DC-HS-DSA Subtest-4	19.99	20.09	20.03	20.50	19.19	19.35	18.90	20.00	19.99	20.00
3GPP Rel 6	HS-UPA Subtest-1	20.48	20.57	20.63	21.00	19.81	19.59	19.63	20.50	20.48	20.50
3GPP Rel 6	HS-UPA Subtest-2	18.42	18.73	18.58	19.00	17.54	17.90	17.69	18.50	18.42	18.50
3GPP Rel 6	HS-UPA Subtest-3	19.72	19.62	19.58	20.00	18.66	18.82	18.58	19.50	19.72	19.50
3GPP Rel 6	HS-UPA Subtest-4	18.44	18.80	18.48	19.00	17.57	17.70	17.50	18.50	18.44	18.50
3GPP Rel 6	HS-UPA Subtest-5	20.70	20.65	20.62	21.00	19.67	19.95	19.55	20.50	20.70	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.80	18.20	17.89	18.50	17.03	17.29	17.31	18.00	17.80	18.00

Band		WCDMA V_Ant 0				WCDMA V_Ant 1				Tune-up	
TX Channel		4132	4182	4233		4132	4182	4233		Tune-up	
Rx Channel		4357	4407	4458		4357	4407	4458		Limit	
Frequency (MHz)		836.4	836.4	846.6		836.4	836.4	846.6		(dBm)	
3GPP Rel 99	AMR 12.2Kbps	24.17	24.23	24.11	25.00	23.34	23.40	23.27	24.50	24.17	24.50
3GPP Rel 99	RMC 12.2Kbps	24.28	24.31	24.25	25.00	23.40	23.42	23.31	24.50	24.28	24.50
3GPP Rel 6	HSDPA Subtest-1	23.22	23.36	23.39	24.00	22.29	22.38	22.58	23.50	23.22	23.50
3GPP Rel 6	HSDPA Subtest-2	23.38	23.29	23.28	24.00	22.42	22.38	22.46	23.50	23.38	23.50
3GPP Rel 6	HSDPA Subtest-3	22.71	22.68	22.74	23.50	21.85	21.88	21.74	23.00	22.71	23.00
3GPP Rel 6	HSDPA Subtest-4	22.63	22.81	22.59	23.50	21.92	22.10	21.81	23.00	22.63	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.38	23.37	23.30	24.00	22.29	22.46	22.56	23.50	23.38	23.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.13	23.40	23.25	24.00	22.33	22.52	22.30	23.50	23.13	23.50
3GPP Rel 6	DC-HSDPA Subtest-3	22.84	22.92	22.74	23.50	21.93	22.06	21.88	23.00	22.84	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.70	22.68	22.61	23.50	21.75	21.97	21.80	23.00	22.70	23.00
3GPP Rel 6	HSPA Subtest-1	22.26	23.38	23.26	24.00	22.34	22.50	22.55	23.50	22.26	23.50
3GPP Rel 6	HSPA Subtest-2	21.08	21.37	21.41	22.00	20.34	20.50	20.55	21.50	21.08	21.50
3GPP Rel 6	HSPA Subtest-3	22.42	22.37	22.17	23.00	21.45	21.48	21.29	22.50	22.42	22.50
3GPP Rel 6	HSPA Subtest-4	21.16	21.27	21.24	22.00	20.29	20.44	20.54	21.50	21.16	21.50
3GPP Rel 6	HSPA Subtest-5	23.42	23.38	23.32	24.00	22.45	22.46	22.33	23.50	23.42	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.76	20.90	20.70	21.50	19.88	20.02	19.99	21.00	20.76	21.00

Band 2_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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	21.91	22.01	21.74	22.5	0	
20	QPSK	1	49	21.78	21.85	21.63			
20	QPSK	1	99	21.66	21.65	21.56			
20	QPSK	50	0	21.86	21.96	21.70	22.5	0	
20	QPSK	50	24	21.85	21.92	21.64			
20	QPSK	50	50	21.82	21.84	21.60			
20	QPSK	100	0	21.74	21.86	21.66	22.5	0	
20	16QAM	1	0	21.82	21.76	21.57			
20	16QAM	1	49	21.86	21.80	21.70			
20	16QAM	1	99	21.71	21.64	21.46	22	0.5	
20	16QAM	50	0	21.30	21.39	21.09			
20	16QAM	50	24	21.34	21.33	21.06			
20	16QAM	50	50	21.36	21.32	21.05	22	0.5	
20	16QAM	100	0	21.34	21.20	21.17			
20	84QAM	1	0	21.35	21.37	21.26			
20	84QAM	1	49	21.42	21.45	21.37	22	0.5	
20	84QAM	1	99	21.20	21.15	21.21			
20	84QAM	50	0	20.27	20.39	20.15			
20	84QAM	50	24	20.35	20.34	20.09	21	1.5	
20	84QAM	50	50	20.33	20.26	19.98			
20	84QAM	100	0	20.35	20.27	20.09			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	21.75	21.95	21.62	22.5	0	
15	QPSK	1	37	21.71	21.75	21.58			
15	QPSK	1	74	21.57	21.60	21.50			
15	QPSK	36	0	21.90	21.89	21.64	22.5	0	
15	QPSK	36	20	21.82	21.83	21.55			
15	QPSK	36	39	21.72	21.80	21.54			
15	QPSK	75	0	21.64	21.78	21.63	22.5	0	
15	16QAM	1	0	21.78	21.70	21.56			
15	16QAM	1	37	21.75	21.73	21.66			
15	16QAM	1	74	21.69	21.54	21.45	22	0.5	
15	16QAM	36	0	21.19	21.31	21.05			
15	16QAM	36	20	21.32	21.29	20.95			
15	16QAM	36	39	21.25	21.28	20.98	22	0.5	
15	16QAM	75	0	21.22	21.08	21.07			
15	84QAM	1	0	21.23	21.31	21.21			
15	84QAM	1	37	21.40	21.37	21.34	22	0.5	
15	84QAM	1	74	21.15	21.08	21.20			
15	84QAM	36	0	20.21	20.29	20.13			
15	84QAM	36	20	20.33	20.27	20.00	21	1.5	
15	84QAM	36	39	20.25	20.24	19.92			
15	84QAM	75	0	20.24	20.22	20.06			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	21.79	21.94	21.71	22.5	0	
10	QPSK	1	25	21.75	21.77	21.54			
10	QPSK	1	49	21.63	21.58	21.50			
10	QPSK	25	0	21.81	21.92	21.63	22.5	0	
10	QPSK	25	12	21.74	21.82	21.63			
10	QPSK	25	25	21.71	21.77	21.58			
10	QPSK	50	0	21.71	21.85	21.62	22.5	0	
10	16QAM	1	0	21.71	21.66	21.48			
10	16QAM	1	25	21.84	21.70	21.67			
10	16QAM	1	49	21.64	21.55	21.43	22	0.5	
10	16QAM	25	0	21.18	21.37	21.04			
10	16QAM	25	12	21.23	21.29	21.02			
10	16QAM	25	25	21.34	21.20	21.04	22	0.5	
10	16QAM	50	0	21.32	21.17	21.08			
10	84QAM	1	0	21.30	21.31	21.24			
10	84QAM	1	25	21.30	21.39	21.33	22	0.5	
10	84QAM	1	49	21.13	21.08	21.10			
10	84QAM	25	0	20.22	20.34	20.12			
10	84QAM	25	12	20.33	20.23	20.08	21	1.5	
10	84QAM	25	25	20.28	20.16	19.95			
10	84QAM	50	0	20.33	20.15	20.08			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	21.74	21.89	21.69	22.5	0	
5	QPSK	1	12	21.69	21.77	21.56			
5	QPSK	1	24	21.56	21.56	21.55			
5	QPSK	12	0	21.90	21.84	21.63	22.5	0	
5	QPSK	12	7	21.78	21.81	21.55			
5	QPSK	12	13	21.77	21.73	21.54			
5	QPSK	25	0	21.72	21.76	21.65	22.5	0	
5	16QAM	1	0	21.74	21.66	21.55			
5	16QAM	1	12	21.83	21.77	21.66			
5	16QAM	1	24	21.64	21.54	21.44	22	0.5	
5	16QAM	12	0	21.28	21.28	21.05			
5	16QAM	12	7	21.27	21.31	21.03			
5	16QAM	12	13	21.33	21.27	20.97	22	0.5	
5	16QAM	25	0	21.24	21.17	21.11			
5	84QAM	1	0	21.25	21.27	21.22			
5	84QAM	1	12	21.30	21.36	21.33	22	0.5	
5	84QAM	1	24	21.10	21.05	21.12			
5	84QAM	12	0	20.19	20.33	20.10			
5	84QAM	12	7	20.32	20.27	19.97	21	1.5	
5	84QAM	12	13	20.26	20.18	19.92			
5	84QAM	25	0	20.24	20.20	20.00			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	21.71	21.96	21.72	22.5	0	
3	QPSK	1	8	21.67	21.80	21.52			
3	QPSK	1	14	21.54	21.55	21.47			
3	QPSK	1	14	21.59	21.59	21.59	22.5	0	
3	QPSK	8	4	21.80	21.91	21.55			
3	QPSK	8	7	21.76	21.83	21.51			
3	QPSK	15	0	21.63	21.78	21.60	22.5	0	
3	16QAM	1	0	21.71	21.69	21.56			
3	16QAM	1	8	21.83	21.76	21.63			
3	16QAM	1	14	21.64	21.58	21.38	22	0.5	
3	16QAM	8	0	21.18	21.33	21.02			
3	16QAM	8	4	21.27	21.25	20.98			
3	16QAM	8	7	21.24	21.22	21.04	22	0.5	
3	16QAM	15	0	21.22	21.15	21.16			
3	84QAM	1	0	21.32	21.36	21.21			
3	84QAM	8	0	21.33	21.34	21.29	22	0.5	
3	84QAM	1	14	21.16	21.12	21.18			
3	84QAM	8	0	20.16	20.30	20.14			
3	84QAM	8	4	20.23	20.31	20.02	21	1.5	
3	84QAM	8	7	20.25	20.21	19.89			
3	84QAM	15	0	20.33	20.20	20.02			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	21.74	22.00	21.64	22.5	0	
1.4	QPSK	1	3	21.71	21.80	21.56			
1.4	QPSK	1	5	21.60	21.63	21.57			
1.4	QPSK	3	0	21.66	21.96	21.58	22.5	0	
1.4	QPSK	3	1	21.66	21.79	21.53			
1.4	QPSK	3	3	21.59	21.53	21.52			
1.4	QPSK	6	0	21.63	21.77	21.57	22.5	0	
1.4	16QAM	1	0	21.77	21.64	21.47			
1.4	16QAM	1	3	21.76	21.78	21.61			
1.4	16QAM	1	5	21.64	21.62	21.37	22.5	0	
1.4	16QAM	3	0	21.66	21.55	21.35			
1.4	16QAM	3	1	21.72	21.72	21.57			
1.4	16QAM	3	3	21.63	21.33	21.33	22	0.5	
1.4	16QAM	6	0	21.62	21.36	21.27			
1.4	16QAM	3	3	21.07	20.99	21.04			
1.4	84QAM	3	0	20.23	20.19	19.98	21	1.5	

Band 4_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				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	18.07	18.19	18.15	19	0		
20	QPSK	1	49	18.00	18.10	18.08				
20	QPSK	1	99	17.82	17.91	17.81				
20	QPSK	50	0	18.05	18.12	18.04				
20	QPSK	50	24	18.01	18.11	18.03	19	0		
20	QPSK	50	50	17.98	18.10	18.00				
20	QPSK	100	0	17.99	18.08	18.01				
20	16QAM	1	0	18.12	18.15	18.04				
20	16QAM	1	49	18.04	18.16	18.12	19	0		
20	16QAM	1	99	18.08	18.11	18.05				
20	16QAM	50	0	18.04	18.10	18.00				
20	16QAM	50	24	18.05	18.08	18.05				
20	16QAM	50	50	17.99	18.10	18.04	19	0		
20	16QAM	100	0	17.93	18.05	17.94				
20	84QAM	1	0	18.01	18.10	17.98				
20	84QAM	1	49	18.06	18.10	18.01	19	0		
20	84QAM	1	99	18.04	18.07	17.95				
20	84QAM	50	0	18.01	18.06	17.97				
20	84QAM	50	24	18.03	18.11	18.06				
20	84QAM	50	50	17.96	18.04	18.00	19	0		
20	84QAM	100	0	17.98	18.05	17.96				
Channel				20025	20175	20325				
Frequency (MHz)				1717.5 <th>1732.5<th>1747.5<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	1732.5 <th>1747.5<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1747.5 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	17.99	18.10	18.03	19	0		
15	QPSK	1	37	17.89	18.08	18.04				
15	QPSK	1	74	17.72	17.84	17.73				
15	QPSK	36	0	17.94	18.00	17.94				
15	QPSK	36	20	17.95	17.99	17.99	19	0		
15	QPSK	36	39	17.89	18.00	17.98				
15	QPSK	75	0	17.89	18.03	17.92				
15	16QAM	1	0	18.05	18.06	17.93				
15	16QAM	1	37	18.00	18.10	18.00	19	0		
15	16QAM	1	74	17.98	18.00	18.02				
15	16QAM	36	0	17.92	18.01	17.88				
15	16QAM	36	20	18.01	18.02	17.94				
15	16QAM	36	39	17.93	18.06	17.92	19	0		
15	16QAM	75	0	17.85	17.99	17.89				
15	84QAM	1	0	17.98	18.05	17.93				
15	84QAM	1	37	17.94	17.98	17.89				
15	84QAM	1	74	17.99	17.96	17.87	19	0		
15	84QAM	36	0	17.90	17.96	17.87				
15	84QAM	36	20	17.93	18.01	18.00				
15	84QAM	36	39	17.90	17.92	17.93				
15	84QAM	75	0	17.89	17.93	17.90	19	0		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	17.98	18.15	18.05	19	0		
10	QPSK	1	25	17.90	18.06	18.00				
10	QPSK	1	49	17.70	17.79	17.70				
10	QPSK	25	0	17.99	18.01	17.93				
10	QPSK	25	12	17.96	18.08	17.97	19	0		
10	QPSK	25	25	17.91	18.00	17.92				
10	QPSK	50	0	17.96	17.97	17.96				
10	16QAM	1	0	18.02	18.11	17.92				
10	16QAM	1	25	17.93	18.12	18.00	19	0		
10	16QAM	1	49	18.05	18.05	17.97				
10	16QAM	25	0	17.96	18.05	17.92				
10	16QAM	25	12	17.98	17.96	17.97				
10	16QAM	25	25	17.96	18.06	17.95	19	0		
10	16QAM	50	0	17.82	17.94	17.90				
10	84QAM	1	0	17.97	18.02	17.93				
10	84QAM	1	25	18.02	18.01	17.97				
10	84QAM	1	49	17.93	17.95	17.83	19	0		
10	84QAM	25	0	17.96	18.03	17.94				
10	84QAM	25	12	17.92	18.06	18.03				
10	84QAM	25	25	17.91	17.93	17.96				
10	84QAM	50	0	17.90	18.00	17.84	19	0		
Channel				19975	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	17.96	18.09	18.09	19	0		
5	QPSK	1	12	17.95	18.08	18.00				
5	QPSK	1	24	17.70	17.80	17.75				
5	QPSK	12	0	17.97	18.03	17.97				
5	QPSK	12	7	17.97	18.04	17.97	19	0		
5	QPSK	12	13	17.90	18.04	17.92				
5	QPSK	25	0	17.93	17.98	17.96				
5	16QAM	1	0	18.08	18.10	17.95				
5	16QAM	1	12	17.99	18.09	18.06	19	0		
5	16QAM	1	24	18.02	18.05	17.95				
5	16QAM	12	0	17.99	18.03	17.91				
5	16QAM	12	7	17.99	18.00	17.95				
5	16QAM	12	13	17.92	18.02	17.93	19	0		
5	16QAM	25	0	17.86	17.96	17.84				
5	84QAM	1	0	17.93	18.07	17.94				
5	84QAM	1	12	17.97	17.99	17.91				
5	84QAM	1	24	17.93	17.97	17.90	19	0		
5	84QAM	12	0	17.96	17.96	17.86				
5	84QAM	12	7	17.99	18.00	17.96				
5	84QAM	12	13	17.84	17.95	17.92				
5	84QAM	25	0	17.95	17.97	17.84	19	0		
Channel				19965 <th>20175</th> <th>20385</th>	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	17.99	18.12	18.05	19	0		
3	QPSK	1	8	17.88	18.00	17.97				
3	QPSK	1	14	17.73	17.86	17.76				
3	QPSK	8	0	17.97	18.00	17.90				
3	QPSK	8	4	17.98	18.08	17.97	19	0		
3	QPSK	8	7	17.89	18.01	17.94				
3	QPSK	15	0	17.95	17.96	17.92				
3	16QAM	1	0	18.06	18.03	17.92				
3	16QAM	1	8	17.96	18.05	18.02	19	0		
3	16QAM	1	14	18.00	18.01	18.02				
3	16QAM	8	0	17.94	18.07	17.92				
3	16QAM	8	4	17.97	18.02	17.93				
3	16QAM	8	7	17.89	18.02	17.97	19	0		
3	16QAM	15	0	17.90	18.01	17.89				
3	84QAM	1	0	17.91	18.06	17.95				
3	84QAM	1	8	17.99	18.07	17.93				
3	84QAM	1	14	17.92	18.04	17.92	19	0		
3	84QAM	8	0	17.93	17.98	17.87				
3	84QAM	8	4	17.99	18.01	17.96				
3	84QAM	8	7	17.87	18.00	17.88				
3	84QAM	15	0	17.96	17.99	17.86	19	0		
Channel				19957	20175	20395				
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	18.02	18.09	18.05	19	0		
1.4	QPSK	1	3	17.95	18.01	18.00				
1.4	QPSK	1	5	17.79	17.87	17.74				
1.4	QPSK	3	0	17.95	18.06	17.93				
1.4	QPSK	3	1	17.90	18.02	17.98	19	0		
1.4	QPSK	3	3	17.92	18.01	17.95				
1.4	QPSK	6	0	17.90	18.01	17.90				
1.4	16QAM	1	0	18.09	18.08	17.92				
1.4	16QAM	1	3	17.92	18.11	18.09	19	0		
1.4	16QAM	1	5	18.03	18.03	17.97				
1.4	16QAM	3	0	18.00	18.00	17.89				
1.4	16QAM	3	1	17.96	17.97	17.97	19	0		
1.4	16QAM	3	3	17.98	17.99	17.91				
1.4	16QAM	6	0	17.87	17.93	18.01				
1.4	84QAM	1	0	17.98	18.06	17.88				
1.4	84QAM	1	3	18.00	18.01	17.89	19	0		
1.4	84QAM	1	5	17.92	18.01	17.90				
1.4	84QAM	3	0	17.95	17.98	17.84				
1.4	84QAM	3	3	17.93	17.99	18.00				
1.4	84QAM	3	3	17.93	17.99	17.90	19	0		
1.4	84QAM	6	0	17.94	17.93	17.89				

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	18.66	18.76	18.67	19.6	0	
20	QPSK	1	49	18.63	18.70	18.60			
20	QPSK	1	99	18.44	18.50	18.43			
20	QPSK	50	0	18.61	18.71	18.61	19.6	0	
20	QPSK	50	24	18.63	18.73	18.65			
20	QPSK	50	50	18.59	18.69	18.62			
20	QPSK	100	0	18.60	18.69	18.60	19.6	0	
20	16QAM	1	0	18.57	18.67	18.59			
20	16QAM	1	49	18.60	18.64	18.57			
20	16QAM	1	99	18.71	18.75	18.67	19.6	0	
20	16QAM	50	0	18.58	18.70	18.58			
20	16QAM	50	24	18.63	18.75	18.64			
20	16QAM	50	50	18.60	18.68	18.64	19.6	0	
20	16QAM	100	0	18.59	18.67	18.56			
20	84QAM	1	0	18.66	18.71	18.65			
20	84QAM	1	49	18.71	18.74	18.65	19.6	0	
20	84QAM	1	99	18.58	18.63	18.56			
20	84QAM	50	0	18.57	18.67	18.58			
20	84QAM	50	24	18.66	18.71	18.68	19.6	0	
20	84QAM	50	50	18.57	18.66	18.57			
20	84QAM	100	0	18.65	18.68	18.64			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	18.57	18.67	18.64	19.6	0	
15	QPSK	1	37	18.55	18.63	18.50			
15	QPSK	1	74	18.36	18.46	18.36			
15	QPSK	36	0	18.56	18.67	18.58	19.6	0	
15	QPSK	36	20	18.54	18.67	18.58			
15	QPSK	36	39	18.49	18.63	18.59			
15	QPSK	75	0	18.56	18.58	18.48	19.6	0	
15	16QAM	1	0	18.49	18.63	18.49			
15	16QAM	1	37	18.52	18.56	18.51			
15	16QAM	1	74	18.65	18.71	18.56	19.6	0	
15	16QAM	36	0	18.50	18.67	18.50			
15	16QAM	36	20	18.54	18.65	18.52			
15	16QAM	36	39	18.54	18.58	18.58	19.6	0	
15	16QAM	75	0	18.55	18.64	18.51			
15	84QAM	1	0	18.54	18.61	18.57			
15	84QAM	1	37	18.67	18.62	18.54	19.6	0	
15	84QAM	1	74	18.51	18.57	18.45			
15	84QAM	36	0	18.52	18.59	18.54			
15	84QAM	36	20	18.63	18.59	18.65	19.6	0	
15	84QAM	36	39	18.52	18.62	18.45			
15	84QAM	75	0	18.62	18.61	18.53			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	18.61	18.68	18.61	19.6	0	
10	QPSK	1	25	18.60	18.58	18.50			
10	QPSK	1	49	18.40	18.38	18.32			
10	QPSK	25	0	18.56	18.66	18.58	19.6	0	
10	QPSK	25	12	18.54	18.66	18.62			
10	QPSK	25	25	18.50	18.58	18.55			
10	QPSK	50	0	18.51	18.57	18.54	19.6	0	
10	16QAM	1	0	18.49	18.63	18.55			
10	16QAM	1	25	18.55	18.61	18.50			
10	16QAM	1	49	18.62	18.69	18.62	19.6	0	
10	16QAM	25	0	18.53	18.64	18.51			
10	16QAM	25	12	18.51	18.67	18.56			
10	16QAM	25	25	18.55	18.57	18.53	19.6	0	
10	16QAM	50	0	18.48	18.59	18.52			
10	84QAM	1	0	18.58	18.66	18.61			
10	84QAM	1	25	18.65	18.69	18.57	19.6	0	
10	84QAM	1	49	18.48	18.54	18.47			
10	84QAM	25	0	18.47	18.61	18.48			
10	84QAM	25	12	18.61	18.60	18.57	19.6	0	
10	84QAM	25	25	18.52	18.61	18.52			
10	84QAM	50	0	18.53	18.56	18.57			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	18.56	18.69	18.62	19.6	0	
5	QPSK	1	12	18.51	18.62	18.51			
5	QPSK	1	24	18.33	18.38	18.31			
5	QPSK	12	0	18.54	18.61	18.57	19.6	0	
5	QPSK	12	7	18.55	18.61	18.56			
5	QPSK	12	13	18.47	18.64	18.58			
5	QPSK	25	0	18.53	18.63	18.53	19.6	0	
5	16QAM	1	0	18.52	18.55	18.54			
5	16QAM	1	12	18.48	18.58	18.51			
5	16QAM	1	24	18.61	18.66	18.64	19.6	0	
5	16QAM	12	0	18.47	18.59	18.55			
5	16QAM	12	7	18.53	18.71	18.52			
5	16QAM	12	13	18.48	18.59	18.60	19.6	0	
5	16QAM	25	0	18.56	18.63	18.48			
5	84QAM	1	0	18.60	18.68	18.57			
5	84QAM	1	12	18.62	18.69	18.61	19.6	0	
5	84QAM	1	24	18.55	18.52	18.53			
5	84QAM	12	0	18.53	18.59	18.51			
5	84QAM	12	7	18.59	18.61	18.63	19.6	0	
5	84QAM	12	13	18.51	18.60	18.49			
5	84QAM	25	0	18.58	18.61	18.54			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	18.59	18.65	18.57	19.6	0	
3	QPSK	1	8	18.55	18.59	18.49			
3	QPSK	14	0	18.32	18.38	18.36			
3	QPSK	8	0	18.58	18.68	18.56	19.6	0	
3	QPSK	8	4	18.53	18.61	18.56			
3	QPSK	8	7	18.56	18.66	18.58			
3	QPSK	15	0	18.50	18.61	18.53	19.6	0	
3	16QAM	1	0	18.53	18.55	18.48			
3	16QAM	1	8	18.54	18.60	18.45			
3	16QAM	1	14	18.66	18.66	18.64	19.6	0	
3	16QAM	8	0	18.55	18.63	18.50			
3	16QAM	8	4	18.58	18.63	18.59			
3	16QAM	8	7	18.55	18.60	18.61	19.6	0	
3	16QAM	15	0	18.52	18.63	18.44			
3	84QAM	1	0	18.60	18.63	18.61			
3	84QAM	1	8	18.66	18.71	18.57	19.6	0	
3	84QAM	1	14	18.53	18.56	18.50			
3	84QAM	8	0	18.50	18.57	18.52			
3	84QAM	8	4	18.61	18.62	18.65	19.6	0	
3	84QAM	8	7	18.52	18.60	18.50			
3	84QAM	15	0	18.61	18.58	18.55			
Channel				19967	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	18.55	18.73	18.50	19.6	0	
1.4	QPSK	1	3	18.59	18.58	18.50			
1.4	QPSK	1	5	18.35	18.41	18.34			
1.4	QPSK	3	0	18.58	18.67	18.52	19.6	0	
1.4	QPSK	3	1	18.55	18.65	18.56			
1.4	QPSK	3	3	18.49	18.58	18.50			
1.4	QPSK	6	0	18.53	18.64	18.48	19.6	0	
1.4	16QAM	1	0	18.48	18.61	18.55			
1.4	16QAM	1	3	18.52	18.56	18.48			
1.4	16QAM	1	5	18.65	18.72	18.64	19.6	0	
1.4	16QAM	3	0	18.54	18.59	18.46			
1.4	16QAM	3	1	18.56	18.68	18.48			
1.4	16QAM	3	3	18.56	18.63	18.57	19.6	0	
1.4	16QAM	6	0	18.52	18.63	18.48			
1.4	16QAM	6	0	18.57	18.65	18.54			
1.4	84QAM	1	3	18.61	18.63	18.60	19.6	0	
1.4	84QAM	1	5	18.53	18.60	18.47			
1.4	84QAM	3	0	18.47	18.56	18.52			
1.4	84QAM	3	3	18.56	18.56	18.57	19.6	0	
1.4	84QAM	3	3	18.53	18.56	18.52			
1.4	84QAM	6	0	18.54	18.56	18.61			

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	25.5	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.39	24.44	24.41			
10	QPSK	1	25	24.37	24.42	24.34			
10	QPSK	1	49	24.24	24.36	24.32	24.5	1	
10	QPSK	25	0	23.30	23.39	23.35			
10	QPSK	25	12	23.27	23.32	23.21			
10	QPSK	25	25	23.18	23.30	23.20			
10	QPSK	50	0	23.22	23.32	23.22	24.5	1	
10	16QAM	1	0	23.43	23.52	23.48			
10	16QAM	1	25	23.31	23.38	23.34			
10	16QAM	1	49	23.33	23.38	23.37			
10	16QAM	25	0	22.33	22.36	22.31	23.5	2	
10	16QAM	25	12	22.19	22.25	22.20			
10	16QAM	25	25	22.24	22.29	22.19			
10	16QAM	50	0	22.23	22.35	22.28			
10	64QAM	1	0	22.34	22.47	22.41	23.5	2	
10	64QAM	1	25	22.17	22.32	22.30			
10	64QAM	1	49	22.20	22.38	22.35			
10	64QAM	25	0	21.28	21.37	21.34			
10	64QAM	25	12	21.15	21.24	21.22	22.5	3	
10	64QAM	25	25	21.17	21.26	21.29			
10	64QAM	50	0	21.35	21.30	21.28			
Channel				20425	20525	20625	25.5	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.26	24.32	24.29			
5	QPSK	1	12	24.23	24.37	24.20			
5	QPSK	1	24	24.17	24.25	24.20	24.5	1	
5	QPSK	12	0	23.16	23.32	23.25			
5	QPSK	12	7	23.17	23.23	23.13			
5	QPSK	12	13	23.03	23.22	23.13			
5	QPSK	25	0	23.17	23.28	23.09	24.5	1	
5	16QAM	1	0	23.34	23.38	23.41			
5	16QAM	1	12	23.28	23.29	23.22			
5	16QAM	1	24	23.20	23.27	23.29			
5	16QAM	12	0	22.22	22.25	22.28	23.5	2	
5	16QAM	12	7	22.10	22.22	22.14			
5	16QAM	12	13	22.20	22.14	22.11			
5	16QAM	25	0	22.16	22.26	22.16			
5	64QAM	1	0	22.30	22.36	22.37	23.5	2	
5	64QAM	1	12	22.12	22.22	22.19			
5	64QAM	1	24	22.11	22.26	22.29			
5	64QAM	12	0	21.22	21.32	21.25			
5	64QAM	12	7	21.04	21.19	21.17	22.5	3	
5	64QAM	12	13	21.02	21.22	21.25			
5	64QAM	25	0	21.28	21.17	21.18			
Channel				20415	20525	20635	25.5	0	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.32	24.30	24.32			
3	QPSK	1	8	24.30	24.37	24.21			
3	QPSK	1	14	24.12	24.29	24.22	24.5	1	
3	QPSK	8	0	23.22	23.32	23.25			
3	QPSK	8	4	23.15	23.18	23.14			
3	QPSK	8	7	23.14	23.23	23.05			
3	QPSK	15	0	23.18	23.24	23.11	24.5	1	
3	16QAM	1	0	23.35	23.49	23.38			
3	16QAM	1	8	23.24	23.29	23.20			
3	16QAM	1	14	23.24	23.25	23.33			
3	16QAM	8	0	22.21	22.21	22.20	23.5	2	
3	16QAM	8	4	22.10	22.21	22.07			
3	16QAM	8	7	22.13	22.15	22.13			
3	16QAM	15	0	22.11	22.30	22.15			
3	64QAM	1	0	22.29	22.32	22.30	23.5	2	
3	64QAM	1	8	22.12	22.24	22.20			
3	64QAM	1	14	22.12	22.31	22.24			
3	64QAM	8	0	21.17	21.33	21.25			
3	64QAM	8	4	21.02	21.10	21.13	22.5	3	
3	64QAM	8	7	21.05	21.13	21.16			
3	64QAM	15	0	21.30	21.23	21.15			
Channel				20407	20525	20543	25.5	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.25	24.31	24.38			
1.4	QPSK	1	3	24.32	24.27	24.25			
1.4	QPSK	1	5	24.11	24.30	24.22	24.5	1	
1.4	QPSK	3	0	24.21	24.24	24.22			
1.4	QPSK	3	1	24.12	24.13	24.12			
1.4	QPSK	3	3	24.08	24.18	24.04			
1.4	QPSK	6	0	23.10	23.17	23.18	24.5	1	
1.4	16QAM	1	0	23.33	23.44	23.43			
1.4	16QAM	1	3	23.27	23.34	23.30			
1.4	16QAM	1	5	23.27	23.31	23.22			
1.4	16QAM	3	0	23.16	23.25	23.15	23.5	2	
1.4	16QAM	3	1	23.01	23.17	23.09			
1.4	16QAM	3	3	23.06	23.17	23.08			
1.4	16QAM	6	0	22.08	22.24	22.18			
1.4	64QAM	1	0	22.27	22.33	22.34	23.5	2	
1.4	64QAM	1	3	22.11	22.28	22.21			
1.4	64QAM	1	5	22.12	22.32	22.21			
1.4	64QAM	3	0	22.11	22.23	22.25			
1.4	64QAM	3	1	21.98	22.07	22.04	22.5	3	
1.4	64QAM	3	3	22.03	22.18	22.15			
1.4	64QAM	6	0	21.31	21.16	21.21			

Band 5_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				20450	20525	20600	24.9	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.59	23.62	23.45			
10	QPSK	1	25	23.52	23.60	23.47			
10	QPSK	1	49	23.54	23.59	23.45	24.4	0.5	
10	QPSK	25	0	23.09	23.11	23.02			
10	QPSK	25	12	23.08	23.07	22.91			
10	QPSK	25	25	23.08	23.08	22.88			
10	QPSK	50	0	22.87	23.04	22.91	24.4	0.5	
10	16QAM	1	0	23.25	23.35	23.19			
10	16QAM	1	25	23.37	23.33	23.18			
10	16QAM	1	49	23.35	23.24	23.14			
10	16QAM	25	0	22.15	22.02	22.12	23.4	1.5	
10	16QAM	25	12	22.07	22.09	21.99			
10	16QAM	25	25	22.10	22.10	21.89			
10	16QAM	50	0	22.10	22.04	22.05			
10	64QAM	1	0	22.14	22.26	22.10	23.4	1.5	
10	64QAM	1	25	22.24	22.23	22.09			
10	64QAM	1	49	22.22	22.18	22.03			
10	64QAM	25	0	21.11	21.00	21.09			
10	64QAM	25	12	21.09	21.08	20.99	22.4	2.5	
10	64QAM	25	25	21.09	21.09	20.95			
10	64QAM	50	0	21.10	21.04	21.02			
Channel				20425	20525	20625	24.9	0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.56	23.51	23.40			
5	QPSK	1	12	23.45	23.48	23.41			
5	QPSK	1	24	23.51	23.52	23.43	24.4	0.5	
5	QPSK	12	0	23.01	23.08	23.01			
5	QPSK	12	7	23.07	23.06	22.96			
5	QPSK	12	13	23.00	23.07	22.78			
5	QPSK	25	0	22.84	23.03	22.86	24.4	0.5	
5	16QAM	1	0	23.22	23.29	23.18			
5	16QAM	1	12	23.27	23.23	23.15			
5	16QAM	1	24	23.26	23.21	23.09	23.4	1.5	
5	16QAM	12	0	22.08	22.12	22.02			
5	16QAM	12	7	21.98	22.02	21.98			
5	16QAM	12	13	22.09	22.08	21.78	23.4	1.5	
5	16QAM	25	0	21.99	22.01	21.94			
5	16QAM	1	0	22.04	22.24	22.06			
5	64QAM	1	12	22.12	22.12	22.06	23.4	1.5	
5	64QAM	1	24	22.15	22.13	21.91			
5	64QAM	12	0	21.00	20.88	21.05			
5	64QAM	12	7	21.04	21.00	20.94	22.4	2.5	
5	64QAM	12	13	20.98	20.97	20.77			
5	64QAM	25	0	20.95	20.92	20.95			
Channel				20415	20505	20615	24.9	0	
Frequency (MHz)				825.5	835.5	845.5			
3	QPSK	1	0	23.50	23.61	23.43			
3	QPSK	1	8	23.46	23.40	23.35			
3	QPSK	1	14	23.45	23.49	23.35	24.9	0	
3	QPSK	8	0	23.00	22.99	22.93			
3	QPSK	8	4	23.04	22.99	22.82			
3	QPSK	8	7	23.05	22.97	22.82			
3	QPSK	15	0	22.81	22.98	22.86	24.4	0.5	
3	16QAM	1	0	23.14	23.33	23.15			
3	16QAM	1	8	23.28	23.31	23.09			
3	16QAM	1	14	23.30	23.20	23.06			
3	16QAM	8	0	22.05	21.94	22.10	23.4	1.5	
3	16QAM	8	4	22.06	21.98	21.93			
3	16QAM	8	7	22.02	22.05	21.91			
3	16QAM	15	0	22.14	22.01	21.96			
3	64QAM	1	0	22.02	22.25	21.98	23.4	1.5	
3	64QAM	1	8	22.21	22.15	22.00			
3	64QAM	1	14	22.14	22.11	21.96			
3	64QAM	8	0	21.10	20.98	20.97			
3	64QAM	8	4	21.09	20.98	20.90	22.4	2.5	
3	64QAM	8	7	21.14	20.96	20.80			
3	64QAM	15	0	21.06	21.02	20.96			
Channel				20407	20525	20643	24.9	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.51	23.53	23.42			
1.4	QPSK	1	3	23.47	23.54	23.45			
1.4	QPSK	1	5	23.44	23.53	23.43	24.9	0	
1.4	QPSK	3	0	23.43	23.41	23.41			
1.4	QPSK	3	1	23.42	23.48	23.42			
1.4	QPSK	3	3	23.38	23.50	23.40			
1.4	QPSK	6	0	22.81	22.98	22.84	24.4	0.5	
1.4	16QAM	1	0	23.23	23.34	23.15			
1.4	16QAM	1	3	23.26	23.29	23.10			
1.4	16QAM	1	5	23.24	23.32	23.10			
1.4	16QAM	3	0	23.16	23.20	23.13	24.4	0.5	
1.4	16QAM	3	1	23.14	23.19	23.01			
1.4	16QAM	3	3	23.18	23.17	23.06			
1.4	16QAM	6	0	22.13	22.31	22.14			
1.4	64QAM	1	0	22.13	22.31	22.14	23.4	1.5	
1.4	64QAM	1	3	22.22	22.23	22.03			
1.4	64QAM	1	5	22.22	22.20	22.05			
1.4	64QAM	3	0	22.05	22.22	22.13			
1.4	64QAM	3	1	22.06	22.13	21.91	23.4	1.5	
1.4	64QAM	3	3	22.16	22.16	21.97			
1.4	64QAM	6	0	21.08	21.15	20.96			
							22.4	2.5	

Band 7_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				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.87	22.07	21.97	22.5	0	
20	QPSK	1	49	21.80	21.77	21.71			
20	QPSK	50	0	21.88	21.66	21.64			
20	QPSK	50	24	21.69	21.70	21.59			
20	QPSK	50	50	21.84	21.82	21.55	22.5	0	
20	QPSK	100	0	21.79	21.83	21.58	22.5	0	
20	16QAM	1	0	21.87	21.94	21.66			
20	16QAM	1	49	21.87	21.93	21.91			
20	16QAM	1	99	21.84	21.94	21.74			
20	16QAM	50	0	21.70	21.79	21.74	22.5	0	
20	16QAM	50	24	21.77	21.81	21.67			
20	16QAM	50	50	21.81	21.76	21.62			
20	16QAM	100	0	21.82	21.86	21.58			
20	64QAM	1	0	22.00	21.76	21.79	22.5	0	
20	64QAM	1	49	21.94	21.88	21.89			
20	64QAM	1	99	21.98	21.85	21.89			
20	64QAM	50	0	21.73	21.86	21.70			
20	64QAM	50	24	21.81	21.75	21.70	22.5	0	
20	64QAM	50	50	21.82	21.86	21.62			
20	64QAM	100	0	21.77	21.80	21.56			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.80	21.97	21.91	22.5	0	
15	QPSK	1	37	21.70	21.69	21.67			
15	QPSK	1	74	21.62	21.54	21.62			
15	QPSK	36	0	21.77	21.93	21.59			
15	QPSK	36	20	21.62	21.82	21.57	22.5	0	
15	QPSK	36	39	21.81	21.81	21.62			
15	QPSK	75	0	21.78	21.82	21.48			
15	16QAM	1	0	21.86	21.86	21.59			
15	16QAM	1	37	21.80	21.92	21.90	22.5	0	
15	16QAM	1	74	21.82	21.91	21.64			
15	16QAM	36	0	21.63	21.74	21.72			
15	16QAM	36	20	21.69	21.76	21.64			
15	16QAM	36	39	21.69	21.70	21.58	22.5	0	
15	16QAM	75	0	21.71	21.54	21.51			
15	64QAM	1	0	21.91	21.73	21.78			
15	64QAM	1	37	21.86	21.78	21.83			
15	64QAM	1	74	21.93	21.77	21.82	22.5	0	
15	64QAM	36	0	21.69	21.84	21.67			
15	64QAM	36	20	21.71	21.67	21.61			
15	64QAM	36	39	21.71	21.74	21.51			
15	64QAM	75	0	21.73	21.69	21.48			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.78	22.03	21.93	22.5	0	
10	QPSK	1	25	21.69	21.73	21.68			
10	QPSK	1	49	21.82	21.62	21.59			
10	QPSK	25	0	21.84	21.87	21.56			
10	QPSK	25	12	21.63	21.68	21.47	22.5	0	
10	QPSK	25	25	21.74	21.75	21.57			
10	QPSK	50	0	21.77	21.76	21.46			
10	16QAM	1	0	21.86	21.90	21.54			
10	16QAM	1	25	21.81	21.89	21.87	22.5	0	
10	16QAM	1	49	21.72	21.89	21.69			
10	16QAM	25	0	21.68	21.69	21.62			
10	16QAM	25	12	21.66	21.70	21.63			
10	16QAM	25	25	21.70	21.71	21.61	22.5	0	
10	16QAM	50	0	21.78	21.55	21.52			
10	64QAM	1	0	21.89	21.70	21.72			
10	64QAM	1	25	21.88	21.82	21.87			
10	64QAM	1	49	21.94	21.82	21.88	22.5	0	
10	64QAM	25	0	21.63	21.83	21.66			
10	64QAM	25	12	21.79	21.74	21.59			
10	64QAM	25	25	21.81	21.84	21.51			
10	64QAM	50	0	21.66	21.68	21.46	22.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.79	22.04	21.95			
5	QPSK	1	12	21.70	21.70	21.62			
5	QPSK	1	24	21.63	21.65	21.59			
5	QPSK	12	0	21.81	21.85	21.61			
5	QPSK	12	7	21.83	21.81	21.52	22.5	0	
5	QPSK	12	13	21.77	21.81	21.64			
5	QPSK	25	0	21.77	21.77	21.49			
5	16QAM	1	0	21.81	21.82	21.59			
5	16QAM	1	12	21.79	21.82	21.84	22.5	0	
5	16QAM	1	24	21.73	21.91	21.69			
5	16QAM	12	0	21.58	21.75	21.63			
5	16QAM	12	7	21.69	21.73	21.56			
5	16QAM	12	13	21.72	21.69	21.56	22.5	0	
5	16QAM	25	0	21.79	21.65	21.55			
5	64QAM	1	0	21.89	21.67	21.70			
5	64QAM	1	12	21.92	21.86	21.85			
5	64QAM	1	24	21.95	21.78	21.83	22.5	0	
5	64QAM	12	0	21.68	21.76	21.68			
5	64QAM	12	7	21.73	21.88	21.62			
5	64QAM	12	13	21.80	21.77	21.50			
5	64QAM	25	0	21.71	21.79	21.55			

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	17.01	17.06	17.00	17.7	0	
20	QPSK	1	49	16.87	16.94	16.82			
20	QPSK	1	99	16.74	16.86	16.82			
20	QPSK	50	0	16.97	17.04	16.93	17.7	0	
20	QPSK	50	24	16.90	17.01	16.93			
20	QPSK	50	50	16.91	17.02	16.93			
20	QPSK	100	0	16.87	16.97	16.92	17.7	0	
20	16QAM	1	0	16.96	17.00	16.97			
20	16QAM	1	49	16.94	17.01	16.97			
20	16QAM	1	99	16.99	17.05	16.98	17.7	0	
20	16QAM	50	0	16.92	17.01	16.92			
20	16QAM	50	24	16.94	17.05	16.99			
20	16QAM	50	50	17.03	17.07	17.00	17.7	0	
20	16QAM	100	0	16.95	16.99	16.92			
20	64QAM	1	0	17.00	17.06	16.96			
20	64QAM	1	49	16.98	17.03	16.98	17.7	0	
20	64QAM	1	99	16.99	17.07	16.97			
20	64QAM	50	0	16.96	17.05	16.93			
20	64QAM	50	24	16.94	16.99	16.96	17.7	0	
20	64QAM	50	50	16.94	17.04	16.97			
20	64QAM	100	0	16.89	16.99	16.90			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.89	17.00	16.97	17.7	0	
15	QPSK	1	37	16.79	16.87	16.70			
15	QPSK	1	74	16.62	16.76	16.78			
15	QPSK	36	0	16.87	17.00	16.91	17.7	0	
15	QPSK	36	20	16.81	16.92	16.81			
15	QPSK	36	39	16.84	16.93	16.82			
15	QPSK	75	0	16.81	16.89	16.80	17.7	0	
15	16QAM	1	0	16.87	16.92	16.87			
15	16QAM	1	37	16.84	16.89	16.91			
15	16QAM	1	74	16.89	16.94	16.92	17.7	0	
15	16QAM	36	0	16.88	16.96	16.84			
15	16QAM	36	20	16.96	16.95	16.96			
15	16QAM	36	39	16.91	17.03	16.90	17.7	0	
15	16QAM	75	0	16.86	16.92	16.81			
15	QPSK	1	0	16.92	17.00	16.90			
15	64QAM	1	37	16.90	16.96	16.91	17.7	0	
15	64QAM	1	74	16.98	16.95	16.88			
15	64QAM	36	0	16.84	16.99	16.83			
15	64QAM	36	20	16.82	16.92	16.84	17.7	0	
15	64QAM	36	39	16.89	16.98	16.89			
15	64QAM	75	0	16.80	16.91	16.83			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
10	QPSK	1	0	16.95	16.97	16.95	17.7	0	
10	QPSK	1	25	16.82	16.91	16.73			
10	QPSK	1	49	16.64	16.74	16.75			
10	QPSK	25	0	16.86	16.94	16.88	17.7	0	
10	QPSK	25	12	16.78	16.94	16.84			
10	QPSK	25	25	16.68	16.97	16.86			
10	QPSK	50	0	16.78	16.92	16.86	17.7	0	
10	16QAM	1	0	16.91	16.94	16.91			
10	16QAM	1	25	16.84	16.90	16.91			
10	16QAM	1	49	16.94	16.98	16.86	17.7	0	
10	16QAM	25	0	16.81	16.96	16.85			
10	16QAM	25	12	16.83	16.97	16.86			
10	16QAM	25	25	16.96	16.99	16.89	17.7	0	
10	16QAM	50	0	16.93	16.97	16.91			
10	16QAM	1	0	16.93	16.97	16.89			
10	64QAM	1	25	16.93	16.95	16.91	17.7	0	
10	64QAM	1	49	16.91	16.97	16.92			
10	64QAM	25	0	16.92	16.98	16.87			
10	64QAM	25	12	16.87	16.95	16.89	17.7	0	
10	64QAM	25	25	16.86	16.97	16.94			
10	64QAM	50	0	16.96	16.96	16.89			
Channel				21175	21400	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.92	17.01	16.91	17.7	0	
5	QPSK	1	12	16.75	16.89	16.76			
5	QPSK	1	24	16.68	16.81	16.72			
5	QPSK	12	0	16.86	16.96	16.87	17.7	0	
5	QPSK	12	7	16.82	16.96	16.85			
5	QPSK	12	13	16.81	16.94	16.87			
5	QPSK	25	0	16.77	16.87	16.85	17.7	0	
5	16QAM	1	0	16.87	16.96	16.85			
5	16QAM	1	12	16.87	16.98	16.86			
5	16QAM	1	24	16.89	16.98	16.91	17.7	0	
5	16QAM	12	0	16.87	16.91	16.80			
5	16QAM	12	7	16.82	16.95	16.91			
5	16QAM	12	13	16.98	17.04	16.91	17.7	0	
5	16QAM	25	0	16.90	16.92	16.84			
5	64QAM	1	0	16.96	17.00	16.91			
5	64QAM	1	12	16.86	17.00	16.92	17.7	0	
5	64QAM	1	24	16.93	17.01	16.92			
5	64QAM	12	0	16.90	16.95	16.86			
5	64QAM	12	7	16.91	16.96	16.91	17.7	0	
5	64QAM	12	13	16.85	16.99	16.93			
5	64QAM	25	0	16.86	16.96	16.87			

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			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.05	19.34	19.31			
20	QPSK	1	49	19.24	19.28	19.19	20.1	0	
20	QPSK	1	99	19.13	19.18	19.14			
20	QPSK	50	0	19.18	19.32	19.27			
20	QPSK	50	24	19.15	19.24	19.17			
20	QPSK	50	50	19.16	19.22	19.18	20.1	0	
20	QPSK	100	0	19.08	19.28	19.07			
20	16QAM	1	0	18.97	19.03	18.94			
20	16QAM	1	49	18.93	18.96	18.93	20.1	0	
20	16QAM	1	99	18.93	18.98	18.92			
20	16QAM	50	0	19.00	19.03	18.94			
20	16QAM	50	24	18.86	18.93	18.85	20.1	0	
20	16QAM	50	50	18.88	18.93	18.84			
20	16QAM	100	0	18.87	18.92	18.89			
20	64QAM	1	0	18.92	18.95	18.91			
20	64QAM	1	49	18.85	18.95	18.92	20.1	0	
20	64QAM	1	99	18.82	18.90	18.82			
20	64QAM	50	0	18.92	19.03	18.95			
20	64QAM	50	24	18.89	18.97	18.85	20.1	0	
20	64QAM	50	50	18.81	18.92	18.84			
20	64QAM	100	0	18.77	18.89	18.78			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.81	18.92	18.85			
15	QPSK	1	37	18.81	18.82	18.72	20.1	0	
15	QPSK	1	74	18.69	18.66	18.65			
15	QPSK	36	0	18.84	18.94	18.82			
15	QPSK	36	20	18.75	18.90	18.80	20.1	0	
15	QPSK	36	39	18.78	18.82	18.78			
15	QPSK	75	0	18.70	18.76	18.71			
15	16QAM	1	0	18.90	18.94	18.82			
15	16QAM	1	37	18.83	18.85	18.90	20.1	0	
15	16QAM	1	74	18.86	18.90	18.88			
15	16QAM	36	0	18.93	18.93	18.84			
15	16QAM	36	20	18.83	18.96	18.81	20.1	0	
15	16QAM	36	39	18.85	18.83	18.72			
15	16QAM	75	0	18.75	18.83	18.86			
15	64QAM	1	0	18.89	18.92	18.81			
15	64QAM	1	37	18.75	18.85	18.83	20.1	0	
15	64QAM	1	74	18.74	18.85	18.79			
15	64QAM	36	0	18.89	18.95	18.92			
15	64QAM	36	20	18.83	18.90	18.78	20.1	0	
15	64QAM	36	39	18.70	18.81	18.76			
15	64QAM	75	0	18.70	18.78	18.72			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.87	18.96	18.92			
10	QPSK	1	25	18.74	18.85	18.72	20.1	0	
10	QPSK	1	49	18.63	18.72	18.65			
10	QPSK	25	0	18.84	18.99	18.84			
10	QPSK	25	12	18.78	18.88	18.79	20.1	0	
10	QPSK	25	25	18.81	18.89	18.81			
10	QPSK	50	0	18.73	18.79	18.71			
10	16QAM	1	0	18.92	18.96	18.82	20.1	0	
10	16QAM	1	25	18.85	18.96	18.87			
10	16QAM	1	49	18.89	18.95	18.89			
10	16QAM	25	0	18.97	18.94	18.88			
10	16QAM	25	12	18.83	18.84	18.77	20.1	0	
10	16QAM	25	25	18.84	18.90	18.78			
10	16QAM	50	0	18.81	18.84	18.86			
10	64QAM	1	0	18.83	18.83	18.90			
10	64QAM	1	25	18.80	18.90	18.85	20.1	0	
10	64QAM	1	49	18.71	18.84	18.70			
10	64QAM	25	0	18.88	18.94	18.83			
10	64QAM	25	12	18.77	18.85	18.76	20.1	0	
10	64QAM	25	25	18.71	18.87	18.76			
10	64QAM	50	0	18.65	18.84	18.75			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.82	18.96	18.88			
5	QPSK	1	12	18.73	18.79	18.76	20.1	0	
5	QPSK	1	24	18.65	18.67	18.68			
5	QPSK	12	0	18.90	18.91	18.79			
5	QPSK	12	7	18.78	18.83	18.83	20.1	0	
5	QPSK	12	13	18.80	18.85	18.79			
5	QPSK	25	0	18.69	18.77	18.68			
5	16QAM	1	0	18.92	18.94	18.89			
5	16QAM	1	12	18.83	18.91	18.88	20.1	0	
5	16QAM	1	24	18.87	18.94	18.85			
5	16QAM	12	0	18.94	19.00	18.89			
5	16QAM	12	7	18.81	18.89	18.82	20.1	0	
5	16QAM	12	13	18.76	18.86	18.74			
5	16QAM	25	0	18.81	18.84	18.82			
5	64QAM	1	0	18.84	18.91	18.81			
5	64QAM	1	12	18.77	18.90	18.80	20.1	0	
5	64QAM	1	24	18.75	18.87	18.75			
5	64QAM	12	0	18.87	18.96	18.84			
5	64QAM	12	7	18.80	18.85	18.74	20.1	0	
5	64QAM	12	13	18.70	18.89	18.73			
5	64QAM	25	0	18.68	18.79	18.73			

Band 7_Ant 3									
BW [MHz]	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	21.00	21.25	21.08			
20	QPSK	1	49	20.97	21.23	21.05	22.1	0	
20	QPSK	1	99	21.06	21.15	20.98			
20	QPSK	50	0	21.03	21.23	21.01			
20	QPSK	50	24	21.00	21.21	20.99	22.1	0	
20	QPSK	50	50	20.95	21.20	20.99			
20	QPSK	100	0	20.99	21.21	20.97			
20	16QAM	1	0	21.00	21.17	21.05			
20	16QAM	1	49	20.98	21.23	21.06	22.1	0	
20	16QAM	1	99	20.99	21.22	20.97			
20	16QAM	50	0	20.97	21.19	20.92			
20	16QAM	50	24	20.94	21.11	20.87	22.1	0	
20	16QAM	50	50	20.98	21.19	21.03			
20	16QAM	100	0	20.90	21.12	20.92			
20	64QAM	1	0	20.79	21.02	20.80			
20	64QAM	1	49	20.92	21.22	20.88	22.1	0	
20	64QAM	1	99	20.88	21.14	20.89			
20	64QAM	50	0	20.51	20.65	20.51			
20	64QAM	50	24	20.34	20.57	20.33	21.1	1	
20	64QAM	50	50	20.42	20.64	20.50			
20	64QAM	100	0	20.48	20.62	20.47			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.89	21.19	21.01			
15	QPSK	1	37	20.88	21.14	20.96	22.1	0	
15	QPSK	1	74	20.87	21.04	20.93			
15	QPSK	36	0	20.94	21.16	20.89			
15	QPSK	36	20	20.92	21.10	20.96	22.1	0	
15	QPSK	36	39	20.90	21.10	20.91			
15	QPSK	75	0	20.89	21.11	20.92			
15	16QAM	1	0	20.91	21.06	20.98			
15	16QAM	1	37	20.88	21.20	21.00	22.1	0	
15	16QAM	1	74	20.88	21.16	20.88			
15	16QAM	36	0	20.88	21.15	20.87			
15	16QAM	36	20	20.91	21.04	20.94	22.1	0	
15	16QAM	36	39	20.92	21.15	20.95			
15	16QAM	75	0	20.78	21.09	20.87			
15	64QAM	1	0	20.74	20.94	20.70			
15	64QAM	1	37	20.85	21.10	20.78	22.1	0	
15	64QAM	1	74	20.79	21.05	20.79			
15	64QAM	36	0	20.46	20.55	20.45			
15	64QAM	36	20	20.28	20.46	20.30	21.1	1	
15	64QAM	36	39	20.35	20.58	20.38			
15	64QAM	75	0	20.42	20.59	20.35			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.90	21.19	20.99			
10	QPSK	1	25	20.94	21.19	21.02	22.1	0	
10	QPSK	1	49	20.86	21.09	20.88			
10	QPSK	25	0	20.91	21.19	20.97			
10	QPSK	25	12	20.90	21.17	20.90	22.1	0	
10	QPSK	25	25	20.87	21.17	20.93			
10	QPSK	50	0	20.93	21.18	20.94			
10	16QAM	1	0	20.95	21.06	20.97			
10	16QAM	1	25	20.91	21.15	21.02	22.1	0	
10	16QAM	1	49	20.88	21.13	20.88			
10	16QAM	25	0	20.92	21.11	20.87			
10	16QAM	25	12	20.86	21.02	20.75	22.1	0	
10	16QAM	25	25	20.94	21.11	20.95			
10	16QAM	50	0	20.79	21.06	20.82			
10	64QAM	1	0	20.68	20.96	20.72			
10	64QAM	1	25	20.82	21.19	20.77	22.1	0	
10	64QAM	1	49	20.81	21.04	20.79			
10	64QAM	25	0	20.41	20.54	20.38			
10	64QAM	25	12	20.27	20.46	20.21			
10	64QAM	25	25	20.35	20.60	20.42	21.1	1	
10	64QAM	50	0	20.42	20.58	20.38			
10	64QAM	50	0	20.75	21.00	21.423	Tune-up limit (dBm)	MPR (dB)	
Channel				2502.5	2535	2567.5			
5	QPSK	1	0	20.95	21.18	20.98			
5	QPSK	1	12	20.91	21.17	20.99	22.1	0	
5	QPSK	1	24	20.88	21.04	20.86			
5	QPSK	12	0	20.91	21.18	20.93			
5	QPSK	12	7	20.94	21.14	20.95	22.1	0	
5	QPSK	12	13	20.96	21.16	20.97			
5	QPSK	25	0	20.94	21.09	20.89			
5	16QAM	1	0	20.92	21.13	20.98			
5	16QAM	1	12	20.89	21.11	20.99	22.1	0	
5	16QAM	1	24	20.89	21.18	20.92			
5	16QAM	12	0	20.90	21.16	20.80			
5	16QAM	12	7	20.87	21.01	20.76	22.1	0	
5	16QAM	12	13	20.90	21.15	20.85			
5	16QAM	25	0	20.86	21.04	20.88			
5	64QAM	1	0	20.67	20.97	20.77			
5	64QAM	1	12	20.80	21.13	20.78	22.1	0	
5	64QAM	1	24	20.84	21.08	20.78			
5	64QAM	12	0	20.39	20.62	20.48			
5	64QAM	12	7	20.26	20.47	20.30	21.1	1	
5	64QAM	12	13	20.37	20.53	20.40			
5	64QAM	25	0	20.43	20.53	20.36			

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	24.36	24.65	24.95	25.5	0	
10	QPSK	1	25	24.46	24.60	24.49			
10	QPSK	1	49	24.52	24.57	24.47			
10	QPSK	25	0	23.55	23.70	23.62	24.5	1	
10	QPSK	25	12	23.41	23.56	23.43			
10	QPSK	25	25	23.51	23.63	23.55			
10	QPSK	50	0	23.56	23.66	23.56	24.5	1	
10	16QAM	1	0	23.58	23.69	23.64			
10	16QAM	1	25	23.49	23.47	23.46			
10	16QAM	1	49	23.50	23.54	23.57	23.5	2	
10	16QAM	25	0	22.49	22.63	22.57			
10	16QAM	25	12	22.50	22.48	22.50			
10	16QAM	25	25	22.47	22.47	22.50	23.5	2	
10	16QAM	50	0	22.55	22.63	22.51			
10	64QAM	1	0	22.63	22.67	22.73			
10	64QAM	1	25	22.55	22.57	22.55	22.5	3	
10	64QAM	1	49	22.47	22.49	22.40			
10	64QAM	25	0	21.51	21.64	21.56			
10	64QAM	25	12	21.39	21.45	21.50	23.025	23095	23165
10	64QAM	25	25	21.46	21.49	21.49			
10	64QAM	50	0	21.53	21.57	21.49			
Channel				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.49	24.48	24.43	25.5	0	
5	QPSK	1	12	24.34	24.52	24.41			
5	QPSK	1	24	24.47	24.46	24.44			
5	QPSK	12	0	23.50	23.65	23.55	24.5	1	
5	QPSK	12	7	23.37	23.46	23.29			
5	QPSK	12	13	23.44	23.60	23.41			
5	QPSK	25	0	23.53	23.59	23.50	24.5	1	
5	16QAM	1	0	23.49	23.54	23.55			
5	16QAM	1	12	23.44	23.38	23.43			
5	16QAM	1	24	23.36	23.48	23.43	23.5	2	
5	16QAM	12	0	22.39	22.35	22.50			
5	16QAM	12	7	22.38	22.35	22.35			
5	16QAM	12	13	22.39	22.39	22.45	22.5	3	
5	16QAM	25	0	22.50	22.54	22.44			
5	64QAM	1	0	22.51	22.59	22.59			
5	64QAM	1	12	22.41	22.43	22.40	23.025	23095	23165
5	64QAM	1	24	22.37	22.36	22.27			
5	64QAM	12	0	21.43	21.60	21.43			
5	64QAM	12	7	21.30	21.40	21.36	23.025	23095	23165
5	64QAM	12	13	21.33	21.39	21.39			
5	64QAM	25	0	21.48	21.45	21.34			
Channel				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.51	24.57	24.54	25.5	0	
3	QPSK	1	8	24.42	24.55	24.40			
3	QPSK	1	14	24.36	24.46	24.39			
3	QPSK	8	0	23.48	23.57	23.49	24.5	1	
3	QPSK	8	4	23.36	23.46	23.36			
3	QPSK	8	7	23.41	23.57	23.49			
3	QPSK	15	0	23.51	23.62	23.51	24.5	1	
3	16QAM	1	0	23.53	23.57	23.60			
3	16QAM	1	8	23.41	23.36	23.40			
3	16QAM	1	14	23.47	23.51	23.42	23.5	2	
3	16QAM	8	0	22.39	22.53	22.45			
3	16QAM	8	4	22.38	22.44	22.41			
3	16QAM	8	7	22.34	22.43	22.41	23.5	2	
3	16QAM	15	0	22.44	22.54	22.39			
3	64QAM	1	0	22.58	22.59	22.70			
3	64QAM	1	8	22.46	22.51	22.51	22.5	3	
3	64QAM	1	14	22.33	22.37	22.32			
3	64QAM	8	0	21.44	21.66	21.45			
3	64QAM	8	4	21.34	21.36	21.43	23.017	23095	23173
3	64QAM	8	7	21.36	21.43	21.36			
3	64QAM	15	0	21.41	21.52	21.42			
Channel				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.44	24.53	24.46	25.5	0	
1.4	QPSK	1	3	24.42	24.50	24.40			
1.4	QPSK	1	5	24.49	24.53	24.39			
1.4	QPSK	3	0	24.41	24.57	24.43	24.5	1	
1.4	QPSK	3	1	24.27	24.38	24.25			
1.4	QPSK	3	3	24.39	24.55	24.37			
1.4	QPSK	6	0	23.47	23.55	23.49	23.5	1	
1.4	16QAM	1	0	23.45	23.64	23.56			
1.4	16QAM	1	3	23.36	23.33	23.41			
1.4	16QAM	1	5	23.40	23.50	23.45	23.5	1	
1.4	16QAM	3	0	23.38	23.55	23.38			
1.4	16QAM	3	1	23.33	23.34	23.37			
1.4	16QAM	3	3	23.28	23.36	23.33	23.5	2	
1.4	16QAM	6	0	22.45	22.48	22.42			
1.4	64QAM	1	0	22.49	22.52	22.66			
1.4	64QAM	1	3	22.47	22.48	22.46	22.5	3	
1.4	64QAM	1	5	22.41	22.44	22.36			
1.4	64QAM	3	0	22.43	22.33	22.45			
1.4	64QAM	3	1	22.31	22.34	22.34	22.5	3	
1.4	64QAM	3	3	22.32	22.37	22.39			
1.4	64QAM	6	0	21.46	21.47	21.40			

Band 12_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				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.63	23.54	24.8	0	
10	QPSK	1	25	23.50	23.58	23.52			
10	QPSK	1	49	23.37	23.47	23.38			
10	QPSK	25	0	22.52	22.66	22.58	23.8	1	
10	QPSK	25	12	22.52	22.66	22.52			
10	QPSK	25	25	22.52	22.66	22.58			
10	QPSK	50	0	22.66	22.75	22.67	23.8	1	
10	16QAM	1	0	22.53	22.72	22.68			
10	16QAM	1	25	22.50	22.54	22.52			
10	16QAM	1	49	22.59	22.54	22.52	22.8	2	
10	16QAM	25	0	21.59	21.82	21.73			
10	16QAM	25	12	21.74	21.77	21.76			
10	16QAM	25	25	21.61	21.61	21.66	22.8	2	
10	16QAM	50	0	21.65	21.74	21.76			
10	64QAM	1	0	21.48	21.61	21.54			
10	64QAM	1	25	21.35	21.44	21.36	22.8	2	
10	64QAM	1	49	21.53	21.47	21.53			
10	64QAM	25	0	20.66	20.79	20.74			
10	64QAM	25	12	20.72	20.64	20.63	21.8	3	
10	64QAM	25	25	20.71	20.65	20.67			
10	64QAM	50	0	20.60	20.72	20.57			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.41	23.52	23.39	24.8	0	
5	QPSK	1	12	23.47	23.46	23.44			
5	QPSK	1	24	23.24	23.37	23.31			
5	QPSK	12	0	22.53	22.69	22.59	23.8	1	
5	QPSK	12	7	22.37	22.46	22.47			
5	QPSK	12	13	22.41	22.55	22.51			
5	QPSK	25	0	22.58	22.69	22.53	23.8	1	
5	16QAM	1	0	22.48	22.61	22.60			
5	16QAM	1	12	22.38	22.51	22.48	22.8	2	
5	16QAM	1	24	22.46	22.47	22.37			
5	16QAM	12	0	21.53	21.70	21.61			
5	16QAM	12	7	21.62	21.71	21.64	22.8	2	
5	16QAM	12	13	21.46	21.51	21.52			
5	16QAM	25	0	21.51	21.69	21.66			
5	16QAM	1	0	21.35	21.47	21.42	22.8	2	
5	16QAM	1	12	21.29	21.36	21.33			
5	16QAM	1	24	21.50	21.34	21.39			
5	16QAM	12	0	20.58	20.66	20.70	21.8	3	
5	16QAM	12	7	20.62	20.57	20.49			
5	16QAM	12	13	20.53	20.62	20.58			
5	16QAM	25	0	20.51	20.68	20.48			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				703.5	707.5	711.5			
3	QPSK	1	0	23.41	23.54	23.42	24.8	0	
3	QPSK	1	8	23.41	23.48	23.42			
3	QPSK	1	14	23.29	23.32	23.28			
3	QPSK	8	0	22.58	22.63	22.62	23.8	1	
3	QPSK	8	4	22.46	22.45	22.50			
3	QPSK	15	0	22.61	22.69	22.62			
3	16QAM	1	0	22.42	22.60	22.56	23.8	1	
3	16QAM	1	8	22.38	22.51	22.38			
3	16QAM	1	14	22.51	22.42	22.41			
3	16QAM	8	0	21.51	21.68	21.66	22.8	2	
3	16QAM	8	4	21.64	21.65	21.72			
3	16QAM	8	7	21.50	21.54	21.51			
3	16QAM	15	0	21.58	21.61	21.71	22.8	2	
3	64QAM	1	0	21.37	21.46	21.43			
3	64QAM	1	8	21.21	21.34	21.23			
3	64QAM	1	14	21.39	21.36	21.31	21.8	3	
3	64QAM	8	0	20.60	20.75	20.62			
3	64QAM	8	4	20.59	20.57	20.57			
3	64QAM	8	7	20.66	20.57	20.60			
3	64QAM	15	0	20.51	20.65	20.44			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.35	23.55	23.45	24.8	0	
1.4	QPSK	1	3	23.45	23.50	23.43			
1.4	QPSK	1	5	23.29	23.36	23.22			
1.4	QPSK	3	0	23.52	23.58	23.51	23.8	1	
1.4	QPSK	3	1	23.39	23.36	23.39			
1.4	QPSK	3	3	23.36	23.36	23.45			
1.4	QPSK	6	0	22.57	22.67	22.59	23.8	1	
1.4	16QAM	1	0	22.41	22.64	22.61			
1.4	16QAM	1	3	22.38	22.39	22.43			
1.4	16QAM	1	5	22.47	22.44	22.46	23.8	1	
1.4	16QAM	3	0	22.49	22.72	22.58			
1.4	16QAM	3	1	22.55	22.59	22.66			
1.4	16QAM	3	3	22.47	22.44	22.54	22.8	2	
1.4	16QAM	6	0	21.52	21.67	21.63			
1.4	64QAM	1	0	21.35	21.53	21.41			
1.4	64QAM	1	3	21.31	21.38	21.30	22.8	2	
1.4	64QAM	1	5	21.42	21.35	21.46			
1.4	64QAM	3	0	21.45	21.59	21.62			
1.4	64QAM	3	1	21.58	21.47	21.43	21.8	3	
1.4	64QAM	3	3	21.51	21.51	21.50			
1.4	64QAM	6	0	20.53	20.62	20.56			

Band 13_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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		24.46		25.5	0	
10	QPSK	1	25		24.37				
10	QPSK	1	49		24.30				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.30				
10	QPSK	25	25		23.33				
10	QPSK	50	0		23.39		24.5	1	
10	16QAM	1	0		23.55				
10	16QAM	1	25		23.42				
10	16QAM	1	49		23.45		23.5	2	
10	16QAM	25	0		22.42				
10	16QAM	25	12		22.32				
10	16QAM	25	25		22.33		23.5	2	
10	16QAM	50	0		22.40				
10	64QAM	1	0		22.48				
10	64QAM	1	25		22.35		23.5	2	
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.43				
10	64QAM	25	12		21.35		22.5	3	
10	64QAM	25	25		21.37				
10	64QAM	50	0		21.38				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.32	24.41	24.26	25.5	0	
5	QPSK	1	12	24.20	24.31	24.20			
5	QPSK	1	24	24.15	24.33	24.25			
5	QPSK	12	0	23.12	23.34	23.19	24.5	1	
5	QPSK	12	7	23.20	23.21	23.02			
5	QPSK	12	13	23.13	23.27	23.10			
5	QPSK	25	0	23.20	23.29	23.18	24.5	1	
5	16QAM	1	0	23.40	23.50	23.47			
5	16QAM	1	12	23.18	23.27	23.29			
5	16QAM	1	24	23.28	23.35	23.29	23.5	2	
5	16QAM	12	0	22.20	22.29	22.22			
5	16QAM	12	7	22.22	22.19	22.18			
5	16QAM	12	13	22.11	22.26	22.12	23.5	2	
5	16QAM	25	0	22.24	22.29	22.20			
5	64QAM	1	0	22.27	22.41	22.32			
5	64QAM	1	12	22.12	22.21	22.19	23.5	2	
5	64QAM	1	24	22.26	22.30	22.18			
5	64QAM	12	0	21.24	21.29	21.25			
5	64QAM	12	7	21.23	21.24	21.19	22.5	3	
5	64QAM	12	13	21.10	21.28	21.16			
5	64QAM	25	0	21.19	21.23	21.17			

Band 13_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				23230					
Frequency (MHz)				762					
10	QPSK	1	0		23.88		24.9	0	
10	QPSK	1	25		23.80				
10	QPSK	1	49		23.83				
10	QPSK	25	0		22.79		23.9	1	
10	QPSK	25	12		22.75				
10	QPSK	25	25		22.72				
10	QPSK	50	0		22.74		23.9	1	
10	16QAM	1	0		22.81				
10	16QAM	1	25		22.72				
10	16QAM	1	49		22.73		22.9	2	
10	16QAM	25	0		21.52				
10	16QAM	25	12		21.50				
10	16QAM	25	25		21.48		22.9	2	
10	16QAM	50	0		21.74				
10	64QAM	1	0		21.77				
10	64QAM	1	25		21.73		21.9	3	
10	64QAM	1	49		21.67				
10	64QAM	25	0		20.46				
10	64QAM	25	12		20.40		20.57		
10	64QAM	25	25		20.33				
10	64QAM	50	0		20.57				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.67	23.66	23.72	24.9	0	
5	QPSK	1	12	23.57	23.61	23.50			
5	QPSK	1	24	23.61	23.70	23.57			
5	QPSK	12	0	22.63	22.62	22.53	23.9	1	
5	QPSK	12	7	22.46	22.60	22.50			
5	QPSK	12	13	22.43	22.53	22.54			
5	QPSK	25	0	22.42	22.61	22.45	23.9	1	
5	16QAM	1	0	22.47	22.69	22.51			
5	16QAM	1	12	22.55	22.56	22.51			
5	16QAM	1	24	22.58	22.55	22.46	22.9	2	
5	16QAM	12	0	21.51	21.40	21.15			
5	16QAM	12	7	21.18	21.30	21.21			
5	16QAM	12	13	21.26	21.29	21.23	21.9	3	
5	16QAM	25	0	21.42	21.60	21.55			
5	64QAM	1	0	21.47	21.58	21.51			
5	64QAM	1	12	21.41	21.63	21.40	22.9	2	
5	64QAM	1	24	21.36	21.50	21.43			
5	64QAM	12	0	20.19	20.35	20.25			
5	64QAM	12	7	20.34	20.44	20.27	20.57		
5	64QAM	12	13	20.35	20.35	20.22			
5	64QAM	25	0	20.47	20.60	20.47			

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	24.57	24.62	24.60	25.5	0	
10	QPSK	1	25	24.45	24.52	24.44			
10	QPSK	1	49	24.50	24.61	24.56			
10	QPSK	25	0	23.57	23.62	23.60	24.5	1	
10	QPSK	25	12	23.48	23.52	23.37			
10	QPSK	25	25	23.56	23.60	23.51			
10	QPSK	50	0	23.45	23.58	23.51	24.5	1	
10	16QAM	1	0	23.64	23.77	23.75			
10	16QAM	1	25	23.58	23.51	23.50			
10	16QAM	1	49	23.60	23.64	23.57	23.5	2	
10	16QAM	25	0	22.51	22.65	22.59			
10	16QAM	25	12	22.51	22.45	22.41			
10	16QAM	25	25	22.39	22.41	22.43	23.5	2	
10	16QAM	50	0	22.50	22.57	22.49			
10	64QAM	1	0	22.61	22.70	22.67			
10	64QAM	1	25	22.51	22.54	22.52	23.5	2	
10	64QAM	1	49	22.49	22.55	22.55			
10	64QAM	25	0	21.67	21.58	21.60			
10	64QAM	25	12	21.44	21.44	21.37	22.5	3	
10	64QAM	25	25	21.43	21.38	21.44			
10	64QAM	50	0	21.62	21.56	21.53			
Channel				23755	23790	23825	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.54	24.57	24.49	25.5	0	
5	QPSK	1	12	24.37	24.39	24.35			
5	QPSK	1	24	24.40	24.56	24.41			
5	QPSK	12	0	23.51	23.49	23.50	24.5	1	
5	QPSK	12	7	23.43	23.42	23.30			
5	QPSK	12	13	23.46	23.46	23.39			
5	QPSK	25	0	23.34	23.44	23.37	24.5	1	
5	16QAM	1	0	23.56	23.70	23.64			
5	16QAM	1	12	23.54	23.47	23.48			
5	16QAM	1	24	23.56	23.61	23.51	23.5	2	
5	16QAM	12	0	22.41	22.56	22.50			
5	16QAM	12	7	22.47	22.41	22.28			
5	16QAM	12	13	22.31	22.32	22.29	23.5	2	
5	16QAM	25	0	22.37	22.42	22.37			
5	64QAM	1	0	22.50	22.66	22.62			
5	64QAM	1	12	22.38	22.42	22.38	23.5	2	
5	64QAM	1	24	22.42	22.48	22.49			
5	64QAM	12	0	21.52	21.47	21.48			
5	64QAM	12	7	21.37	21.34	21.33	22.5	3	
5	64QAM	12	13	21.34	21.30	21.34			
5	64QAM	25	0	21.57	21.48	21.41			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.46	23.59	23.53	24.8	0	
10	QPSK	1	25	23.42	23.48	23.38			
10	QPSK	1	49	23.40	23.52	23.38			
10	QPSK	25	0	22.67	22.78	22.62	23.8	1	
10	QPSK	25	12	22.51	22.56	22.43			
10	QPSK	25	25	22.62	22.73	22.58			
10	QPSK	50	0	22.73	22.76	22.70	23.8	1	
10	16QAM	1	0	22.68	22.74	22.57			
10	16QAM	1	25	22.58	22.63	22.57			
10	16QAM	1	49	22.57	22.60	22.62	22.8	2	
10	16QAM	25	0	21.55	21.64	21.49			
10	16QAM	25	12	21.54	21.51	21.54			
10	16QAM	25	25	21.54	21.44	21.48	21.8	3	
10	16QAM	50	0	21.58	21.73	21.69			
10	64QAM	1	0	21.64	21.69	21.62			
10	64QAM	1	25	21.46	21.48	21.46	22.8	2	
10	64QAM	1	49	21.62	21.56	21.54			
10	64QAM	25	0	20.57	20.65	20.48			
10	64QAM	25	12	20.46	20.42	20.46	21.8	3	
10	64QAM	25	25	20.47	20.45	20.38			
10	64QAM	50	0	20.65	20.68	20.54			
Channel				706.5	710	713.5	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.37	23.51	23.46	24.8	0	
5	QPSK	1	12	23.38	23.36	23.33			
5	QPSK	1	24	23.36	23.42	23.30			
5	QPSK	12	0	22.64	22.68	22.48	23.8	1	
5	QPSK	12	7	22.43	22.51	22.30			
5	QPSK	12	13	22.50	22.66	22.51			
5	QPSK	25	0	22.60	22.68	22.67	23.8	1	
5	16QAM	1	0	22.54	22.70	22.42			
5	16QAM	1	12	22.53	22.54	22.47			
5	16QAM	1	24	22.53	22.54	22.48	22.8	2	
5	16QAM	12	0	21.49	21.57	21.35			
5	16QAM	12	7	21.46	21.47	21.39			
5	16QAM	12	13	21.43	21.35	21.44	21.8	3	
5	16QAM	25	0	21.43	21.64	21.65			
5	64QAM	1	0	21.58	21.58	21.52			
5	64QAM	1	12	21.32	21.44	21.38	22.8	2	
5	64QAM	1	24	21.57	21.48	21.49			
5	64QAM	12	0	20.48	20.50	20.41			
5	64QAM	12	7	20.31	20.33	20.32	21.8	3	
5	64QAM	12	13	20.40	20.38	20.26			
5	64QAM	25	0	20.58	20.65	20.42			

Band 26_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	24.30	24.45	24.30	25.5	0	
15	QPSK	1	37	24.31	24.36	24.24			
15	QPSK	1	74	24.34	24.41	24.31			
15	QPSK	36	0	23.30	23.41	23.34	24.5	1	
15	QPSK	36	20	23.28	23.37	23.30			
15	QPSK	36	39	23.29	23.33	23.25			
15	QPSK	75	0	23.44	23.46	23.43	24.5	1	
15	16QAM	1	0	23.48	23.56	23.51			
15	16QAM	1	37	23.37	23.46	23.38			
15	16QAM	1	74	23.44	23.36	23.41	23.5	2	
15	16QAM	36	0	22.44	22.47	22.46			
15	16QAM	36	20	22.37	22.31	22.39			
15	16QAM	36	39	22.34	22.33	22.29	23.5	2	
15	16QAM	75	0	22.38	22.43	22.31			
15	64QAM	1	0	22.41	22.45	22.37			
15	64QAM	1	37	22.32	22.23	22.32	23.5	2	
15	64QAM	1	74	22.31	22.30	22.24			
15	64QAM	36	0	21.39	21.44	21.43			
15	64QAM	36	20	21.28	21.24	21.24	22.5	3	
15	64QAM	36	39	21.23	21.23	21.19			
15	64QAM	75	0	21.30	21.43	21.35			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.26	24.36	24.29	25.5	0	
10	QPSK	1	25	24.26	24.24	24.09			
10	QPSK	1	49	24.23	24.34	24.20			
10	QPSK	25	0	23.25	23.27	23.29	24.5	1	
10	QPSK	25	12	23.17	23.25	23.22			
10	QPSK	25	25	23.15	23.19	23.21			
10	QPSK	50	0	23.38	23.36	23.29	24.5	1	
10	16QAM	1	0	23.40	23.43	23.41			
10	16QAM	1	25	23.33	23.36	23.30			
10	16QAM	1	49	23.32	23.32	23.27	23.5	2	
10	16QAM	25	0	22.36	22.34	22.42			
10	16QAM	25	12	22.29	22.25	22.36			
10	16QAM	25	25	22.21	22.24	22.17	23.5	2	
10	16QAM	50	0	22.32	22.34	22.20			
10	64QAM	1	0	22.28	22.31	22.27			
10	64QAM	1	25	22.17	22.16	22.28	23.5	2	
10	64QAM	1	49	22.17	22.21	22.10			
10	64QAM	25	0	21.30	21.41	21.29			
10	64QAM	25	12	21.22	21.17	21.12	22.5	3	
10	64QAM	25	25	21.18	21.16	21.04			
10	64QAM	50	0	21.16	21.35	21.29			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.42	24.30	25.5	0	
5	QPSK	1	12	24.27	24.28	24.14			
5	QPSK	1	24	24.29	24.37	24.17			
5	QPSK	12	0	23.22	23.28	23.27	24.5	1	
5	QPSK	12	7	23.17	23.26	23.22			
5	QPSK	12	13	23.23	23.22	23.17			
5	QPSK	25	0	23.37	23.43	23.32	24.5	1	
5	16QAM	1	0	23.44	23.49	23.36			
5	16QAM	1	12	23.34	23.41	23.20			
5	16QAM	1	24	23.33	23.25	23.37	23.5	2	
5	16QAM	12	0	22.34	22.33	22.40			
5	16QAM	12	7	22.25	22.28	22.27			
5	16QAM	12	13	22.31	22.30	22.18	23.5	2	
5	16QAM	25	0	22.31	22.29	22.18			
5	64QAM	1	0	22.35	22.37	22.33			
5	64QAM	1	12	22.20	22.11	22.24	23.5	2	
5	64QAM	1	24	22.19	22.22	22.21			
5	64QAM	12	0	21.25	21.36	21.30			
5	64QAM	12	7	21.16	21.14	21.14	22.5	3	
5	64QAM	12	13	21.14	21.16	21.08			
5	64QAM	25	0	21.27	21.28	21.26			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.30	24.40	24.33	25.5	0	
3	QPSK	1	8	24.26	24.26	24.15			
3	QPSK	1	14	24.28	24.31	24.24			
3	QPSK	8	0	23.24	23.34	23.20	24.5	1	
3	QPSK	8	4	23.20	23.30	23.19			
3	QPSK	8	7	23.26	23.22	23.11			
3	QPSK	15	0	23.41	23.33	23.36	24.5	1	
3	16QAM	1	0	23.42	23.49	23.47			
3	16QAM	1	8	23.24	23.31	23.23			
3	16QAM	1	14	23.36	23.31	23.31	24.5	1	
3	16QAM	8	0	22.38	22.32	22.40			
3	16QAM	8	4	22.25	22.20	22.25			
3	16QAM	8	7	22.24	22.25	22.21	23.5	2	
3	16QAM	15	0	22.31	22.31	22.21			
3	64QAM	1	0	22.33	22.36	22.31			
3	64QAM	1	8	22.26	22.16	22.24	23.5	2	
3	64QAM	1	14	22.21	22.26	22.10			
3	64QAM	8	0	21.35	21.34	21.38			
3	64QAM	8	4	21.21	21.17	21.12	22.5	3	
3	64QAM	8	7	21.20	21.15	21.13			
3	64QAM	15	0	21.22	21.31	21.27			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.32	24.36	24.32	25.5	0	
1.4	QPSK	1	3	24.22	24.31	24.13			
1.4	QPSK	1	5	24.24	24.33	24.26			
1.4	QPSK	3	0	24.21	24.29	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.26	24.24			
1.4	QPSK	3	3	24.24	24.27	24.20			
1.4	QPSK	6	0	23.40	23.39	23.40	24.5	1	
1.4	16QAM	1	0	23.44	23.49	23.44			
1.4	16QAM	1	3	23.29	23.32	23.23			
1.4	16QAM	1	5	23.33	23.29	23.32	24.5	1	
1.4	16QAM	3	0	23.30	23.38	23.37			
1.4	16QAM	3	1	23.25	23.16	23.24			
1.4	16QAM	3	3	23.27	23.22	23.15	23.5	2	
1.4	16QAM	6	0	22.25	22.33	22.21			
1.4	64QAM	1	0	22.30	22.38	22.26			
1.4	64QAM	1	3	22.28	22.15	22.23	23.5	2	
1.4	64QAM	1	5	22.19	22.22	22.09			
1.4	64QAM	3	0	22.29	22.32	22.32			
1.4	64QAM	3	1	22.24	22.15	22.18	22.5	3	
1.4	64QAM	3	3	22.12	22.16	22.05			
1.4	64QAM	6	0	21.25	21.29	21.32			

Band 26_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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.54	23.64	23.49	24.9	0	
15	QPSK	1	37	23.53	23.51	23.41			
15	QPSK	1	74	23.52	23.54	23.43			
15	QPSK	36	0	23.00	23.13	22.97	24.4	0.5	
15	QPSK	36	39	22.97	23.07	22.86			
15	QPSK	75	0	23.01	23.17	22.93			
15	16QAM	1	0	23.19	23.23	23.20	24.4	0.5	
15	16QAM	1	37	23.25	23.29	23.15			
15	16QAM	1	74	23.26	23.26	23.13			
15	16QAM	36	0	21.95	22.08	21.96	23.4	1.5	
15	16QAM	36	20	22.05	22.08	21.98			
15	16QAM	36	39	21.96	22.12	21.85			
15	16QAM	75	0	21.99	22.11	21.94	23.4	1.5	
15	16QAM	1	0	22.06	22.13	22.08			
15	16QAM	1	37	22.15	22.28	22.10			
15	16QAM	1	74	22.13	22.12	22.03	22.4	2.5	
15	16QAM	36	0	20.96	21.06	20.95			
15	16QAM	36	20	21.03	21.09	20.97			
15	16QAM	36	39	20.97	21.14	20.84			
15	16QAM	75	0	20.94	21.10	20.90			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.51	23.57	23.47	24.9	0	
10	QPSK	1	25	23.51	23.46	23.39			
10	QPSK	1	49	23.40	23.48	23.34			
10	QPSK	25	0	22.99	23.03	22.92	24.4	0.5	
10	QPSK	25	12	22.96	22.98	22.88			
10	QPSK	25	25	22.89	23.02	22.79			
10	QPSK	50	0	22.92	23.09	22.89	24.4	0.5	
10	16QAM	1	0	23.07	23.13	23.16			
10	16QAM	1	25	23.15	23.12	23.16			
10	16QAM	1	49	23.20	23.16	23.09	23.4	1.5	
10	16QAM	25	0	21.89	21.98	21.84			
10	16QAM	25	12	21.94	21.96	21.84			
10	16QAM	25	25	21.90	22.04	21.78	23.4	1.5	
10	16QAM	50	0	21.88	22.00	21.89			
10	16QAM	1	0	21.95	22.02	21.89			
10	16QAM	1	25	22.09	22.07	22.07	23.4	1.5	
10	16QAM	1	49	22.02	22.11	21.96			
10	16QAM	25	0	20.86	20.97	20.87			
10	16QAM	25	12	20.92	21.06	20.88	22.4	2.5	
10	16QAM	25	25	20.88	21.09	20.75			
10	16QAM	50	0	20.83	21.08	20.84			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
5	QPSK	1	0	23.46	23.53	23.44	24.9	0	
5	QPSK	1	12	23.44	23.48	23.31			
5	QPSK	1	24	23.47	23.51	23.41			
5	QPSK	12	0	22.98	23.07	22.86	24.4	0.5	
5	QPSK	12	7	22.89	23.01	22.87			
5	QPSK	12	13	22.86	23.01	22.82			
5	QPSK	25	0	22.99	23.11	22.81	24.4	0.5	
5	16QAM	1	0	23.18	23.21	23.16			
5	16QAM	1	12	23.20	23.34	23.17			
5	16QAM	1	24	23.22	23.14	23.12	23.4	1.5	
5	16QAM	12	0	21.93	22.05	21.90			
5	16QAM	12	7	21.96	22.02	21.92			
5	16QAM	12	13	21.92	22.02	21.92	23.4	1.5	
5	16QAM	25	0	21.93	22.03	21.86			
5	16QAM	1	0	22.01	22.07	22.07			
5	16QAM	1	12	22.03	22.16	22.02	23.4	1.5	
5	16QAM	1	24	22.05	22.04	21.94			
5	16QAM	12	0	20.95	20.98	20.86			
5	16QAM	12	7	21.00	20.99	20.88	22.4	2.5	
5	16QAM	12	13	20.98	21.11	20.81			
5	16QAM	25	0	20.86	21.04	20.84			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.45	23.54	23.44	24.9	0	
3	QPSK	1	8	23.45	23.47	23.30			
3	QPSK	1	14	23.45	23.45	23.31			
3	QPSK	8	0	22.99	23.05	22.89	24.4	0.5	
3	QPSK	8	4	22.89	23.02	22.92			
3	QPSK	8	7	22.88	23.02	22.92			
3	QPSK	15	0	22.94	23.12	22.90	24.4	0.5	
3	16QAM	1	0	23.12	23.13	23.14			
3	16QAM	1	8	23.23	23.27	23.18			
3	16QAM	1	14	23.17	23.20	23.08	23.4	1.5	
3	16QAM	8	0	21.91	22.06	21.85			
3	16QAM	8	4	21.94	22.00	21.87			
3	16QAM	8	7	21.91	22.04	21.82	22.4	2.5	
3	16QAM	15	0	21.96	22.04	21.92			
3	16QAM	1	0	21.97	22.07	22.01			
3	16QAM	1	8	22.13	22.16	22.01	23.4	1.5	
3	16QAM	1	14	22.01	22.00	21.93			
3	16QAM	8	0	20.89	21.00	20.84			
3	16QAM	8	4	20.98	21.02	20.94	22.4	2.5	
3	16QAM	8	7	20.94	21.04	20.91			
3	16QAM	15	0	20.92	20.99	20.87			
Channel				26997	26965	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	846.3			
1.4	QPSK	1	0	23.53	23.55	23.45	24.9	0	
1.4	QPSK	1	3	23.44	23.43	23.29			
1.4	QPSK	1	5	23.43	23.45	23.31			
1.4	QPSK	3	0	23.47	23.44	23.36	24.4	0.5	
1.4	QPSK	3	3	23.38	23.37	23.21			
1.4	QPSK	3	3	23.38	23.37	23.21			
1.4	QPSK	6	0	22.98	23.06	22.87	24.4	0.5	
1.4	16QAM	1	0	23.15	23.15	23.10			
1.4	16QAM	1	3	23.22	23.27	23.14			
1.4	16QAM	1	5	23.26	23.19	23.06	23.4	1.5	
1.4	16QAM	3	0	23.14	23.06	22.98			
1.4	16QAM	3	3	23.15	23.09	23.00			
1.4	16QAM	6	0	21.91	22.02	21.84	23.4	1.5	
1.4	16QAM	1	0	21.99	22.07	21.98			
1.4	16QAM	1	3	22.06	22.18	22.05			
1.4	16QAM	1	5	22.02	22.09	21.94	23.4	1.5	
1.4	16QAM	3	0	21.92	22.03	21.90			
1.4	16QAM	3	3	21.94	22.14	21.91			
1.4	16QAM	3	3	21.90	22.00	21.91	22.4	2.5	
1.4	16QAM	6	0	20.83	21.04	20.80			

Band 66_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				132072	132322	132572	21	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.09	20.15	20.11	21	0	
20	QPSK	1	49	20.06	19.95	20.07			
20	QPSK	1	99	19.82	19.79	19.96			
20	QPSK	50	0	19.97	20.10	19.99	21	0	
20	QPSK	50	24	19.89	20.01	19.95			
20	QPSK	50	50	19.84	20.03	19.94			
20	QPSK	100	0	19.91	19.99	19.95	21	0	
20	16QAM	1	0	19.95	20.09	20.07			
20	16QAM	1	49	19.84	20.10	20.13			
20	16QAM	1	99	19.95	20.12	20.11	21	0	
20	16QAM	50	0	19.91	20.10	20.04			
20	16QAM	50	24	19.92	20.02	20.05			
20	16QAM	50	50	19.90	20.01	19.94	21	0	
20	16QAM	100	0	19.95	20.09	20.07			
20	64QAM	1	0	20.12	20.06	20.13			
20	64QAM	1	49	19.89	20.07	19.92	21	0	
20	64QAM	1	99	20.11	19.82	20.08			
20	64QAM	50	0	19.88	19.98	19.94			
20	64QAM	50	24	19.89	20.04	20.04	21	0	
20	64QAM	50	50	19.89	20.01	19.95			
20	64QAM	100	0	19.90	19.94	19.96			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	21	0	
15	QPSK	1	0	20.03	20.09	20.06			
15	QPSK	1	37	20.00	19.87	20.02	21	0	
15	QPSK	1	74	19.78	19.74	19.75			
15	QPSK	36	0	19.87	20.01	19.93			
15	QPSK	36	20	19.85	19.90	19.87	21	0	
15	QPSK	36	39	19.79	19.99	19.83			
15	QPSK	75	0	19.83	19.96	19.89			
15	16QAM	1	0	19.87	19.98	20.02	21	0	
15	16QAM	1	37	19.90	20.05	20.05			
15	16QAM	1	74	19.90	20.02	20.04			
15	16QAM	36	0	19.84	20.02	19.98	21	0	
15	16QAM	36	20	19.84	19.92	19.96			
15	16QAM	36	39	19.84	19.98	19.82			
15	16QAM	75	0	19.89	19.94	19.82	21	0	
15	64QAM	1	0	20.00	20.00	20.05			
15	64QAM	1	37	19.77	19.86	19.87			
15	64QAM	1	74	20.01	19.72	19.98	21	0	
15	64QAM	36	0	19.85	19.92	19.87			
15	64QAM	36	20	19.81	19.92	19.98			
15	64QAM	36	39	19.77	19.93	19.92	21	0	
15	64QAM	75	0	19.83	19.85	19.84			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	21	0	
10	QPSK	1	0	20.04	20.08	20.03			
10	QPSK	1	25	19.97	19.91	20.01	21	0	
10	QPSK	1	49	19.72	19.70	19.82			
10	QPSK	25	0	19.86	20.01	19.94			
10	QPSK	25	12	19.84	19.98	19.86	21	0	
10	QPSK	25	25	19.79	19.93	19.89			
10	QPSK	50	0	19.88	19.90	19.87			
10	16QAM	1	0	19.89	20.02	19.98	21	0	
10	16QAM	1	25	19.88	20.02	20.08			
10	16QAM	1	49	19.86	20.01	20.06			
10	16QAM	25	0	19.83	20.02	19.93	21	0	
10	16QAM	25	12	19.83	19.92	19.93			
10	16QAM	25	25	19.81	19.98	19.90			
10	16QAM	50	0	19.92	19.89	19.91	21	0	
10	64QAM	1	0	20.00	20.00	20.01			
10	64QAM	1	25	19.83	20.02	19.88			
10	64QAM	1	49	20.04	19.70	20.05	21	0	
10	64QAM	25	0	19.78	19.94	19.87			
10	64QAM	25	12	19.79	19.93	19.94			
10	64QAM	25	25	19.79	19.83	19.83	21	0	
10	64QAM	50	0	19.84	19.86	19.89			
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	21	0	
5	QPSK	1	0	19.97	20.10	20.04			
5	QPSK	1	12	20.03	19.88	20.03	21	0	
5	QPSK	1	24	19.71	19.73	19.76			
5	QPSK	12	0	19.87	20.00	19.90			
5	QPSK	12	7	19.77	19.90	19.92	21	0	
5	QPSK	12	13	19.80	19.89	19.85			
5	QPSK	25	0	19.83	19.87	19.86			
5	16QAM	1	0	19.86	19.97	20.02	21	0	
5	16QAM	1	12	19.86	20.04	20.05			
5	16QAM	1	24	19.87	20.06	20.06			
5	16QAM	12	0	19.84	20.00	19.99	21	0	
5	16QAM	12	7	19.89	19.98	19.98			
5	16QAM	12	13	19.81	19.91	19.91			
5	16QAM	25	0	19.88	19.92	19.83	21	0	
5	64QAM	1	0	20.08	20.01	20.04			
5	64QAM	1	12	19.86	20.04	19.84			
5	64QAM	1	24	20.04	19.70	19.98	21	0	
5	64QAM	12	0	19.79	19.90	19.84			
5	64QAM	12	7	19.78	19.99	20.01			
5	64QAM	12	13	19.85	19.95	19.84	21	0	
5	64QAM	25	0	19.80	19.89	19.90			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5	21	0	
3	QPSK	1	0	20.05	20.12	20.08			
3	QPSK	1	8	20.00	19.84	20.04	21	0	
3	QPSK	1	14	19.73	19.75	19.74			
3	QPSK	8	0	19.91	20.06	19.91			
3	QPSK	8	4	19.85	19.98	19.86	21	0	
3	QPSK	8	7	19.80	19.93	19.89			
3	QPSK	15	0	19.80	19.94	19.89			
3	16QAM	1	0	19.84	20.06	19.95	21	0	
3	16QAM	1	8	19.90	20.05	20.07			
3	16QAM	1	14	19.84	20.09	20.06			
3	16QAM	8	0	19.79	20.07	19.98	21	0	
3	16QAM	8	4	19.88	19.91	19.98			
3	16QAM	8	7	19.79	19.98	19.84			
3	16QAM	15	0	19.88	19.88	19.82	21	0	
3	64QAM	1	0	20.04	19.96	20.10			
3	64QAM	1	8	19.80	19.99	19.92			
3	64QAM	1	14	20.08	19.72	19.99	21	0	
3	64QAM	8	0	19.76	19.91	19.84			
3	64QAM	8	4	19.84	19.95	19.93			
3	64QAM	8	7	19.77	19.98	19.89	21	0	
3	64QAM	15	0	19.82	19.91	19.95			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3	21	0	
1.4	QPSK	1	0	19.96	20.06	19.99			
1.4	QPSK	1	3	20.02	19.86	19.98	21	0	
1.4	QPSK	1	5	19.76	19.70	19.74			
1.4	QPSK	3	0	19.85	20.03	19.93			
1.4	QPSK	3	1	19.83	19.97	19.88	21	0	
1.4	QPSK	3	3	19.80	19.99	19.94			
1.4	QPSK	6	0	19.82	19.99	19.84			
1.4	16QAM	1	0	19.84	19.98	20.04	21	0	
1.4	16QAM	1	3	19.85	20.02	20.08			
1.4	16QAM	1	5	19.83	20.01	20.05			
1.4	16QAM	3	0	19.84	20.07	19.93	21	0	
1.4	16QAM	3	1	19.83	19.94	20.01			
1.4	16QAM	3	3	19.80	19.97	19.86			
1.4	64QAM	2	0	19.89	19.93	19.84	21	0	
1.4	64QAM	1	0	20.04	19.98	20.10			
1.4	64QAM	1	3	19.77	19.95	19.82			
1.4	64QAM	1	5	20.04	19.76	20.05	21	0	
1.4	64QAM	3	0	19.85	19.89	19.88			
1.4	64QAM	3	1	19.84	19.94	20.01			
1.4	64QAM	3	3	19.78	19.96	19.90	21	0	
1.4	64QAM	6	0	19.87	19.85	19.87			

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 lim (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.13	21.31	21.20	22.2	0	
20	QPSK	1	49	21.04	21.13	21.14			
20	QPSK	1	99	20.82	20.83	21.14			
20	QPSK	50	0	21.09	21.24	21.18	22.2	0	
20	QPSK	50	24	21.05	21.18	21.13			
20	QPSK	50	50	20.96	21.06	21.07			
20	QPSK	100	0	20.96	21.06	21.01	22.2	0	
20	16QAM	1	0	21.11	21.13	20.87			
20	16QAM	1	49	21.16	20.94	20.95			
20	16QAM	1	99	20.84	20.83	20.98	22.2	0	
20	16QAM	50	0	20.88	21.09	21.19			
20	16QAM	50	24	21.01	21.05	20.96			
20	16QAM	50	50	20.95	21.07	21.18	22.2	0	
20	16QAM	100	0	20.97	21.02	21.20			
20	64QAM	1	0	21.17	21.04	20.87			
20	64QAM	1	49	20.84	21.11	21.01	22.2	0	
20	64QAM	1	99	21.13	20.86	20.87			
20	64QAM	50	0	20.88	21.13	21.17			
20	64QAM	50	24	21.00	21.07	20.87	22.2	0	
20	64QAM	50	50	20.97	21.05	21.18			
20	64QAM	100	0	21.00	21.01	21.18			
Channel				132022	132322	132622	Tune-up lim (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.04	21.20	21.14	22.2	0	
15	QPSK	1	37	20.96	21.02	21.04			
15	QPSK	1	74	20.71	20.77	21.06			
15	QPSK	36	0	21.06	21.21	21.09	22.2	0	
15	QPSK	36	20	20.94	21.12	21.07			
15	QPSK	36	39	20.89	21.02	20.95			
15	QPSK	75	0	20.89	20.95	20.96	22.2	0	
15	16QAM	1	0	20.99	21.03	20.83			
15	16QAM	1	37	21.08	20.88	20.85			
15	16QAM	1	74	20.81	20.71	20.96	22.2	0	
15	16QAM	36	0	20.77	21.04	21.11			
15	16QAM	36	20	20.90	21.00	20.93			
15	16QAM	36	39	20.90	21.03	21.17	22.2	0	
15	16QAM	75	0	20.94	20.97	21.10			
15	64QAM	1	0	21.11	20.96	20.79			
15	64QAM	1	37	20.83	21.05	20.89	22.2	0	
15	64QAM	1	74	21.08	20.83	20.75			
15	64QAM	36	0	20.76	21.04	21.10			
15	64QAM	36	20	20.91	21.02	20.84	22.2	0	
15	64QAM	36	39	20.86	20.99	21.11			
15	64QAM	75	0	20.97	20.98	21.13			
Channel				132022	132322	132622	Tune-up lim (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.93	21.25	21.16	22.2	0	
10	QPSK	1	25	20.96	21.04	21.11			
10	QPSK	1	49	20.81	20.83	21.13			
10	QPSK	25	0	20.99	21.13	21.06	22.2	0	
10	QPSK	25	12	21.02	21.14	21.02			
10	QPSK	25	25	20.86	20.97	21.06			
10	QPSK	50	0	20.96	21.05	20.93	22.2	0	
10	16QAM	1	0	20.99	21.07	20.86			
10	16QAM	1	25	21.09	20.89	20.86			
10	16QAM	1	49	20.82	20.82	20.89	22.2	0	
10	16QAM	25	0	20.87	21.08	21.10			
10	16QAM	25	12	20.98	21.04	20.89			
10	16QAM	25	25	20.89	21.05	21.13	22.2	0	
10	16QAM	50	0	20.92	20.99	21.16			
10	64QAM	1	0	21.10	20.96	20.79			
10	64QAM	1	25	20.76	20.99	20.92	22.2	0	
10	64QAM	1	49	21.09	20.74	20.84			
10	64QAM	25	0	20.77	21.05	21.06			
10	64QAM	25	12	20.90	21.05	20.75	22.2	0	
10	64QAM	25	25	20.96	20.97	21.08			
10	64QAM	50	0	20.95	20.91	21.13			
Channel				131997	132322	132647	Tune-up lim (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.99	21.24	21.12	22.2	0	
5	QPSK	1	12	20.93	21.09	21.06			
5	QPSK	1	24	20.76	20.79	21.10			
5	QPSK	12	0	21.02	21.23	21.15	22.2	0	
5	QPSK	12	7	20.96	21.12	21.10			
5	QPSK	12	13	20.94	21.01	21.00			
5	QPSK	25	0	20.90	21.01	20.93	22.2	0	
5	16QAM	1	0	21.10	21.12	20.78			
5	16QAM	1	12	21.06	20.83	20.83			
5	16QAM	1	24	20.78	20.71	20.90	22.2	0	
5	16QAM	12	0	20.82	21.00	21.13			
5	16QAM	12	7	20.97	21.01	20.94			
5	16QAM	12	13	20.88	20.95	21.08	22.2	0	
5	16QAM	25	0	20.86	20.98	21.16			
5	64QAM	1	0	21.10	20.95	20.75			
5	64QAM	1	12	20.75	21.10	20.98	22.2	0	
5	64QAM	1	24	21.10	20.76	20.85			
5	64QAM	12	0	20.86	21.04	21.16			
5	64QAM	12	7	20.96	21.03	20.82	22.2	0	
5	64QAM	12	13	20.93	21.00	21.06			
5	64QAM	25	0	20.89	20.89	21.10			
Channel				131987	132322	132657	Tune-up lim (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	21.02	21.29	21.14	22.2	0	
3	QPSK	1	8	20.98	21.03	21.04			
3	QPSK	1	14	20.84	20.87	21.10			
3	QPSK	8	0	21.08	21.20	21.11	22.2	0	
3	QPSK	8	4	21.02	21.13	21.03			
3	QPSK	8	7	20.90	20.98	20.95			
3	QPSK	15	0	20.95	21.01	20.99	22.2	0	
3	16QAM	1	0	21.06	21.08	20.80			
3	16QAM	1	8	21.15	20.91	20.94			
3	16QAM	1	14	20.73	20.71	20.94	22.2	0	
3	16QAM	8	0	20.81	21.02	21.08			
3	16QAM	8	4	20.89	21.00	20.94			
3	16QAM	8	7	20.93	21.05	21.16	22.2	0	
3	16QAM	15	0	20.86	20.91	21.11			
3	64QAM	1	0	21.05	21.02	20.82			
3	64QAM	1	8	20.77	21.04	20.95	22.2	0	
3	64QAM	1	14	21.02	20.85	20.79			
3	64QAM	8	0	20.81	21.11	21.10			
3	64QAM	8	4	20.95	21.06	20.80	22.2	0	
3	64QAM	8	7	20.92	21.00	21.16			
3	64QAM	15	0	20.95	20.97	21.12			
Channel				131979	132322	132665	Tune-up lim (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.99	21.24	21.14	22.2	0	
1.4	QPSK	1	3	21.01	21.05	21.03			
1.4	QPSK	1	5	20.75	20.75	21.02			
1.4	QPSK	3	0	20.97	21.15	21.14	22.2	0	
1.4	QPSK	3	1	20.96	21.15	21.08			
1.4	QPSK	3	3	20.91	20.94	21.04			
1.4	QPSK	6	0	20.91	20.98	20.98	22.2	0	
1.4	16QAM	1	0	21.02	21.04	20.75			
1.4	16QAM	1	3	21.09	20.82	20.85			
1.4	16QAM	1	5	20.74	20.80	20.86	22.2	0	
1.4	16QAM	3	0	20.84	21.06	21.16			
1.4	16QAM	3	1	20.98	21.01	20.86			
1.4	16QAM	3	3	20.91	20.99	21.17	22.2	0	
1.4	16QAM	6	0	20.93	21.00	21.16			
1.4	64QAM	1	0	21.14	21.01	20.84			
1.4	64QAM	1	3	20.73	21.06	20.93	22.2	0	
1.4	64QAM	1	5	21.07	20.76	20.83			
1.4	64QAM	3	0	20.81	21.03	21.16			
1.4	64QAM	3	3	20.98	20.98	20.78	22.2	0	
1.4	64QAM	3	3	20.86	20.96	21.05			
1.4	64QAM	6	0	20.91	20.96	21.15			

Band 38_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				37850	38000	38150	25	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.29	24.33	24.26	24.5	0.5	
20	QPSK	1	49	24.09	24.24	24.24			
20	QPSK	1	99	23.97	24.07	24.02			
20	QPSK	50	0	23.77	23.88	23.67			
20	QPSK	50	24	23.82	23.81	23.58			
20	QPSK	50	50	23.49	23.72	23.55	24.5	0.5	
20	QPSK	100	0	23.60	23.71	23.84			
20	16QAM	1	0	23.86	23.78	23.84			
20	16QAM	1	49	23.84	23.51	23.86			
20	16QAM	1	99	23.71	23.62	23.56			
20	16QAM	50	0	22.83	22.81	22.84	23.5	1.5	
20	16QAM	50	24	22.63	22.55	22.64			
20	16QAM	50	50	22.55	22.75	22.67			
20	16QAM	100	0	22.73	22.61	22.85			
20	64QAM	1	0	22.39	22.58	22.41			
20	64QAM	1	49	22.29	22.28	22.23	23.5	1.5	
20	64QAM	1	99	22.37	22.42	22.30			
20	64QAM	50	0	21.72	21.75	21.78			
20	64QAM	50	24	21.53	21.60	21.61			
20	64QAM	50	50	21.51	21.54	21.42			
20	64QAM	100	0	21.66	21.74	21.78	22.5	2.5	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.12	24.32	24.09	25	0	
15	QPSK	1	37	24.10	24.22	24.00			
15	QPSK	1	74	24.03	24.17	24.08			
15	QPSK	36	0	23.66	23.79	23.73			
15	QPSK	36	20	23.68	23.60	23.59			
15	QPSK	36	39	23.54	23.51	23.47	24.5	0.5	
15	QPSK	75	0	23.60	23.64	23.51			
15	16QAM	1	0	23.74	23.64	23.66			
15	16QAM	1	37	23.60	23.50	23.50			
15	16QAM	1	74	23.51	23.55	23.52			
15	16QAM	36	0	22.89	22.64	22.87	23.5	1.5	
15	16QAM	36	20	22.61	22.57	22.80			
15	16QAM	36	39	22.57	22.60	22.81			
15	16QAM	75	0	22.72	22.72	22.86			
15	64QAM	1	0	22.52	22.43	22.32			
15	64QAM	1	37	22.15	22.13	22.15	23.5	1.5	
15	64QAM	1	74	22.40	22.44	22.37			
15	64QAM	36	0	21.70	21.66	21.70			
15	64QAM	36	20	21.54	21.51	21.82			
15	64QAM	36	39	21.45	21.47	21.49			
15	64QAM	75	0	21.73	21.73	21.70	22.5	2.5	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.21	24.17	24.16	25	0	
10	QPSK	1	25	24.11	24.27	24.10			
10	QPSK	1	49	24.10	24.19	24.00			
10	QPSK	25	0	23.79	23.67	23.69			
10	QPSK	25	12	23.51	23.63	23.62			
10	QPSK	25	25	23.41	23.69	23.51	24.5	0.5	
10	QPSK	50	0	23.54	23.70	23.57			
10	16QAM	1	0	23.69	23.68	23.70			
10	16QAM	1	25	23.47	23.42	23.56			
10	16QAM	1	49	23.60	23.52	23.60			
10	16QAM	25	0	22.75	22.72	22.72	23.5	1.5	
10	16QAM	25	12	22.61	22.50	22.49			
10	16QAM	25	25	22.64	22.74	22.63			
10	16QAM	50	0	22.64	22.58	22.77			
10	64QAM	1	0	22.41	22.41	22.41			
10	64QAM	1	25	22.18	22.11	22.24	23.5	1.5	
10	64QAM	1	49	22.33	22.37	22.33			
10	64QAM	25	0	21.65	21.68	21.78			
10	64QAM	25	12	21.46	21.58	21.67			
10	64QAM	25	25	21.49	21.54	21.36			
10	64QAM	50	0	21.64	21.58	21.59	22.5	2.5	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.21	24.28	24.15	25	0	
5	QPSK	1	12	24.10	24.13	24.03			
5	QPSK	1	24	23.97	24.19	24.02			
5	QPSK	12	0	23.67	23.79	23.79			
5	QPSK	12	7	23.55	23.61	23.63			
5	QPSK	12	13	23.56	23.52	23.50	24.5	0.5	
5	QPSK	25	0	23.55	23.55	23.45			
5	16QAM	1	0	23.63	23.66	23.72			
5	16QAM	1	12	23.56	23.50	23.41			
5	16QAM	1	24	23.66	23.57	23.61			
5	16QAM	12	0	22.64	22.77	22.87	23.5	1.5	
5	16QAM	12	7	22.55	22.53	22.50			
5	16QAM	12	13	22.47	22.72	22.49			
5	16QAM	25	0	22.63	22.58	22.77			
5	64QAM	1	0	22.47	22.40	22.31			
5	64QAM	1	12	22.15	22.11	22.21	23.5	1.5	
5	64QAM	1	24	22.39	22.35	22.33			
5	64QAM	12	0	21.74	21.62	21.76			
5	64QAM	12	7	21.45	21.49	21.64			
5	64QAM	12	13	21.47	21.43	21.46			
5	64QAM	25	0	21.70	21.72	21.72	22.5	2.5	
Channel				37700	38000	38200			

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	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.78	20.89	20.61	22	0	
20	QPSK	1	49	20.73	20.81	20.46			
20	QPSK	1	99	20.62	20.68	20.44			
20	QPSK	50	0	20.79	20.86	20.63	22	0	
20	QPSK	50	24	20.74	20.81	20.49			
20	QPSK	50	50	20.75	20.85	20.46			
20	QPSK	100	0	20.80	20.83	20.56	22	0	
20	16QAM	1	0	20.65	20.74	20.46			
20	16QAM	1	49	20.81	20.85	20.50			
20	16QAM	1	99	20.80	20.83	20.45	22	0	
20	16QAM	50	0	20.80	20.87	20.62			
20	16QAM	50	24	20.82	20.85	20.57			
20	16QAM	50	50	20.74	20.82	20.56	22	0	
20	16QAM	100	0	20.80	20.86	20.61			
20	64QAM	1	0	20.38	20.48	20.15			
20	64QAM	1	49	20.64	20.67	20.34	22	0	
20	64QAM	1	99	20.51	20.57	20.31			
20	64QAM	50	0	20.76	20.86	20.50			
20	64QAM	50	24	20.81	20.84	20.50	22	0	
20	64QAM	50	50	20.75	20.81	20.46			
20	64QAM	100	0	20.82	20.86	20.47			
Channel				37825	38000	38175	22	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.74	20.77	20.54	22	0	
15	QPSK	1	37	20.65	20.69	20.41			
15	QPSK	1	74	20.53	20.58	20.37			
15	QPSK	36	0	20.76	20.82	20.53	22	0	
15	QPSK	36	20	20.71	20.69	20.42			
15	QPSK	36	39	20.63	20.81	20.38			
15	QPSK	75	0	20.74	20.72	20.44	22	0	
15	16QAM	1	0	20.53	20.65	20.39			
15	16QAM	1	37	20.63	20.74	20.40			
15	16QAM	1	74	20.59	20.73	20.35	22	0	
15	16QAM	36	0	20.70	20.82	20.59			
15	16QAM	36	20	20.74	20.79	20.52			
15	16QAM	36	39	20.65	20.74	20.47	22	0	
15	16QAM	75	0	20.73	20.78	20.52			
15	64QAM	1	0	20.27	20.29	20.03			
15	64QAM	1	37	20.58	20.57	20.29	22	0	
15	64QAM	1	74	20.40	20.49	20.28			
15	64QAM	36	0	20.68	20.82	20.44			
15	64QAM	36	20	20.70	20.81	20.46	22	0	
15	64QAM	36	39	20.68	20.76	20.43			
15	64QAM	75	0	20.76	20.83	20.49			
Channel				37850	38000	38150	22	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.68	20.86	20.61	22	0	
10	QPSK	1	25	20.61	20.69	20.45			
10	QPSK	1	49	20.58	20.60	20.36			
10	QPSK	25	0	20.76	20.77	20.54	22	0	
10	QPSK	25	12	20.69	20.71	20.40			
10	QPSK	25	36	20.72	20.73	20.43			
10	QPSK	50	0	20.75	20.72	20.48	22	0	
10	16QAM	1	0	20.55	20.64	20.42			
10	16QAM	1	25	20.73	20.74	20.45			
10	16QAM	1	49	20.68	20.74	20.36	22	0	
10	16QAM	25	0	20.74	20.81	20.54			
10	16QAM	25	12	20.77	20.78	20.45			
10	16QAM	25	25	20.64	20.78	20.47	22	0	
10	16QAM	50	0	20.69	20.76	20.52			
10	64QAM	1	0	20.28	20.36	20.05			
10	64QAM	1	25	20.54	20.59	20.22	22	0	
10	64QAM	1	49	20.41	20.46	20.28			
10	64QAM	25	0	20.67	20.75	20.41			
10	64QAM	25	12	20.78	20.78	20.47	22	0	
10	64QAM	25	25	20.67	20.69	20.42			
10	64QAM	50	0	20.79	20.81	20.39			
Channel				37775	38000	38225	22	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.70	20.86	20.61	22	0	
5	QPSK	1	12	20.69	20.69	20.38			
5	QPSK	1	24	20.56	20.61	20.35			
5	QPSK	12	0	20.68	20.78	20.59	22	0	
5	QPSK	12	7	20.62	20.74	20.39			
5	QPSK	12	13	20.70	20.82	20.38			
5	QPSK	25	0	20.70	20.79	20.48	22	0	
5	16QAM	1	0	20.61	20.62	20.43			
5	16QAM	1	12	20.73	20.73	20.42			
5	16QAM	1	24	20.70	20.73	20.36	22	0	
5	16QAM	12	0	20.75	20.83	20.59			
5	16QAM	12	7	20.77	20.76	20.50			
5	16QAM	12	13	20.77	20.78	20.52	22	0	
5	16QAM	25	0	20.77	20.83	20.58			
5	64QAM	1	0	20.33	20.41	20.03			
5	64QAM	1	12	20.55	20.60	20.28	22	0	
5	64QAM	1	24	20.39	20.48	20.23			
5	64QAM	12	0	20.71	20.80	20.47			
5	64QAM	12	7	20.77	20.74	20.46	22	0	
5	64QAM	12	13	20.66	20.66	20.42			
5	64QAM	25	0	20.79	20.76	20.35			

Band 41_Ant 0												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.30	24.32	24.39	24.33	24.34	25	0		
20	QPSK	1	49	24.08	24.26	24.38	24.32	24.23				
20	QPSK	1	99	24.28	24.30	24.37	24.28	24.28				
20	QPSK	50	0	23.67	23.76	23.95	23.79	23.86				
20	QPSK	50	24	23.50	23.54	23.69	23.52	23.61	24.5	0.5		
20	QPSK	50	50	23.53	23.58	23.51	23.41	23.54				
20	QPSK	100	0	23.70	23.68	23.91	23.72	23.79				
20	16QAM	1	0	23.74	23.48	23.75	23.70	23.76				
20	16QAM	1	49	23.49	23.56	23.46	23.51	23.45	24.5	0.5		
20	16QAM	1	99	23.52	23.54	23.61	23.49	23.62				
20	16QAM	50	0	22.76	22.50	22.78	22.87	22.73				
20	16QAM	50	24	22.52	22.50	22.47	22.51	22.48				
20	16QAM	50	50	22.54	22.54	22.61	22.61	22.54	23.5	1.5		
20	16QAM	100	0	22.76	22.59	22.61	22.82	22.78				
20	64QAM	1	0	22.31	22.21	22.52	22.35	22.41				
20	64QAM	1	49	22.29	22.41	22.45	22.33	22.48				
20	64QAM	1	99	22.34	22.39	22.48	22.47	22.49	23.5	1.5		
20	64QAM	50	0	21.67	21.68	21.81	21.57	21.79				
20	64QAM	50	24	21.80	21.61	21.80	21.76	21.81				
20	64QAM	50	50	21.55	21.73	21.62	21.81	21.55				
20	64QAM	100	0	21.72	21.54	21.61	21.75	21.63	22.5	2.5		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.94	23.88	24.10	23.95	24.18	25	0		
15	QPSK	1	37	23.77	23.95	24.12	24.06	23.97				
15	QPSK	1	74	24.01	24.12	24.18	23.98	24.07				
15	QPSK	36	0	23.43	23.49	23.75	23.52	23.60				
15	QPSK	36	20	23.25	23.27	23.42	23.38	23.39	24.5	0.5		
15	QPSK	36	39	23.28	23.36	23.25	23.18	23.25				
15	QPSK	75	0	23.43	23.44	23.66	23.47	23.48				
15	16QAM	1	0	23.54	23.24	23.56	23.51	23.58				
15	16QAM	1	37	23.25	23.34	23.26	23.21	23.16	24.5	0.5		
15	16QAM	1	74	23.25	23.33	23.39	23.30	23.32				
15	16QAM	36	0	22.54	22.21	22.49	22.80	22.50				
15	16QAM	36	20	22.34	22.19	22.29	22.24	22.26				
15	16QAM	36	39	22.31	22.35	22.37	22.38	22.28	23.5	1.5		
15	16QAM	75	0	22.52	22.33	22.36	22.54	22.59				
15	64QAM	1	0	22.09	22.10	22.21	21.91	22.00				
15	64QAM	1	37	22.05	22.31	22.01	22.22	22.37				
15	64QAM	1	74	22.20	21.94	22.38	22.05	22.27	23.5	1.5		
15	64QAM	36	0	21.31	21.32	21.49	21.38	21.62				
15	64QAM	36	20	21.53	21.24	21.39	21.65	21.35				
15	64QAM	36	39	21.35	21.28	21.35	21.42	21.42				
15	64QAM	75	0	21.28	21.16	21.30	21.58	21.46	22.5	2.5		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.99	24.14	23.98	24.12	24.04	25	0		
10	QPSK	1	25	23.96	23.97	24.11	24.06	24.04				
10	QPSK	1	49	24.01	24.12	24.18	24.02	24.00				
10	QPSK	25	0	23.44	23.58	23.68	23.48	23.63				
10	QPSK	25	12	23.26	23.32	23.44	23.33	23.41	24.5	0.5		
10	QPSK	25	25	23.31	23.40	23.33	23.10	23.27				
10	QPSK	50	0	23.46	23.37	23.60	23.47	23.53				
10	16QAM	1	0	23.46	23.20	23.54	23.40	23.46				
10	16QAM	1	25	23.10	23.31	23.15	23.24	23.21	24.5	0.5		
10	16QAM	1	49	23.24	23.34	23.35	23.27	23.31				
10	16QAM	25	0	22.46	22.32	22.53	22.59	22.50				
10	16QAM	25	12	22.24	22.32	22.25	22.33	22.17				
10	16QAM	25	25	22.29	22.36	22.42	22.42	22.27	23.5	1.5		
10	16QAM	50	0	22.45	22.40	22.43	22.55	22.53				
10	64QAM	1	0	21.89	21.84	22.20	22.19	22.28				
10	64QAM	1	25	22.19	22.16	22.18	22.07	22.12				
10	64QAM	1	49	21.94	21.93	22.11	22.26	22.16	23.5	1.5		
10	64QAM	25	0	21.44	21.53	21.63	21.31	21.56				
10	64QAM	25	12	21.62	21.23	21.59	21.61	21.49				
10	64QAM	25	25	21.30	21.37	21.18	21.49	21.33				
10	64QAM	50	0	21.34	21.20	21.24	21.34	21.69	22.5	2.5		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	24.13	23.96	24.24	24.02	24.22	25	0		
5	QPSK	1	12	23.72	23.96	24.20	24.05	23.96				
5	QPSK	1	24	24.03	24.10	24.12	24.08	24.10				
5	QPSK	12	0	23.46	23.59	23.65	23.60	23.62				
5	QPSK	12	7	23.22	23.29	23.39	23.30	23.41	24.5	0.5		
5	QPSK	12	13	23.34	23.30	23.32	23.19	23.33				
5	QPSK	25	0	23.51	23.42	23.64	23.44	23.48				
5	16QAM	1	0	23.52	23.25	23.49	23.48	23.52				
5	16QAM	1	12	23.23	23.37	23.19	23.28	23.19	24.5	0.5		
5	16QAM	1	24	23.25	23.33	23.33	23.29	23.43				
5	16QAM	12	0	22.47	22.20	22.56	22.59	22.55				
5	16QAM	12	7	22.29	22.31	22.28	22.29	22.28				
5	16QAM	12	13	22.25	22.24	22.30	22.34	22.29	23.5	1.5		
5	16QAM	25	0	22.55	22.34	22.30	22.53	22.48				
5	64QAM	1	0	22.20	21.76	22.09	22.14	22.11				
5	64QAM	1	12	21.97	22.04	22.30	21.94	22.17				
5	64QAM	1	24	22.14	22.24	22.14	22.10	22.05	22.5	2.5		
5	64QAM	12	0	21.24	21.54	21.68	21.44	21.36				
5	64QAM	12	7	21.39	21.47	21.67	21.57	21.43				
5	64QAM	12	13	21.22	21.46	21.47	21.39	21.09				
5	64QAM	25	0	21.40	21.32	21.32	21.47	21.59				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.86	20.86	20.84	20.64	20.61				
20	QPSK	1	49	20.79	20.61	20.88	20.54	20.55	22	0		
20	QPSK	1	99	20.68	20.47	20.74	20.38	20.37				
20	QPSK	50	0	20.86	20.86	20.84	20.64	20.54				
20	QPSK	50	24	20.80	20.59	20.92	20.52	20.55	22	0		
20	QPSK	50	50	20.85	20.62	20.90	20.64	20.60				
20	QPSK	100	0	20.81	20.73	20.91	20.68	20.63				
20	16QAM	1	0	20.74	20.55	20.86	20.49	20.52				
20	16QAM	1	49	20.83	20.66	20.93	20.62	20.59	22	0		
20	16QAM	1	99	20.82	20.62	20.92	20.62	20.51				
20	16QAM	50	0	20.83	20.84	20.93	20.61	20.62				
20	16QAM	50	24	20.85	20.65	20.91	20.58	20.53	22	0		
20	16QAM	50	50	20.84	20.68	20.92	20.57	20.58				
20	16QAM	100	0	20.83	20.59	20.92	20.62	20.63				
20	64QAM	1	0	20.54	20.39	20.58	20.26	20.24				
20	64QAM	1	49	20.69	20.38	20.72	20.32	20.37	22	0		
20	64QAM	1	99	20.55	20.32	20.65	20.25	20.26				
20	64QAM	50	0	20.86	20.73	20.92	20.72	20.71				
20	64QAM	50	24	20.82	20.72	20.92	20.56	20.60	22	0		
20	64QAM	50	50	20.83	20.57	20.90	20.44	20.52				
20	64QAM	100	0	20.83	20.62	20.91	20.65	20.65				
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.81	20.59	20.83	20.60	20.56				
15	QPSK	1	37	20.69	20.54	20.84	20.62	20.44	22	0		
15	QPSK	1	74	20.56	20.38	20.67	20.26	20.29				
15	QPSK	36	0	20.83	20.59	20.84	20.62	20.59				
15	QPSK	36	20	20.72	20.52	20.84	20.47	20.47	22	0		
15	QPSK	36	39	20.78	20.57	20.83	20.54	20.54				
15	QPSK	75	0	20.73	20.64	20.86	20.63	20.59				
15	16QAM	1	0	20.70	20.49	20.83	20.62	20.51	22	0		
15	16QAM	1	37	20.84	20.57	20.82	20.56	20.55				
15	16QAM	1	74	20.75	20.54	20.83	20.45	20.47				
15	16QAM	36	0	20.72	20.58	20.90	20.49	20.55				
15	16QAM	36	20	20.82	20.57	20.81	20.55	20.47	22	0		
15	16QAM	36	39	20.80	20.56	20.86	20.45	20.53				
15	16QAM	75	0	20.79	20.56	20.85	20.55	20.54				
15	64QAM	1	0	20.43	20.34	20.54	20.23	20.16	22	0		
15	64QAM	1	37	20.64	20.28	20.69	20.23	20.31				
15	64QAM	1	74	20.49	20.24	20.56	20.15	20.22				
15	64QAM	36	0	20.77	20.67	20.89	20.60	20.58	22	0		
15	64QAM	36	20	20.78	20.67	20.88	20.44	20.54				
15	64QAM	36	39	20.73	20.50	20.84	20.32	20.46				
15	64QAM	75	0	20.74	20.52	20.84	20.58	20.59				
Channel				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20.80	20.57	20.86	20.58	20.58				
10	QPSK	1	0	20.80	20.57	20.86	20.58	20.58				
10	QPSK	1	25	20.74	20.49	20.84	20.46	20.48	22	0		
10	QPSK	1	49	20.57	20.44	20.69	20.31	20.30				
10	QPSK	25	0	20.78	20.65	20.89	20.63	20.55				
10	QPSK	25	12	20.77	20.51	20.88	20.46	20.50	22	0		
10	QPSK	25	25	20.81	20.56	20.82	20.53	20.49				
10	QPSK	50	0	20.74	20.70	20.87	20.61	20.54				
10	16QAM	1	0	20.64	20.52	20.77	20.40	20.41				
10	16QAM	1	25	20.83	20.55	20.83	20.57	20.53	22	0		
10	16QAM	1	49	20.70	20.57	20.79	20.38	20.44				
10	16QAM	25	0	20.74	20.58	20.81	20.53	20.50				
10	16QAM	25	12	20.77	20.54	20.80	20.48	20.41	22	0		
10	16QAM	25	25	20.79	20.65	20.89	20.62	20.46				
10	16QAM	50	0	20.78	20.49	20.84	20.56	20.50				
10	64QAM	1	0	20.44	20.35	20.55	20.16	20.16				
10	64QAM	1	25	20.58	20.28	20.61	20.21	20.27	22	0		
10	64QAM	1	49	20.47	20.27	20.55	20.15	20.19				
10	64QAM	25	0	20.83	20.64	20.89	20.69	20.66				
10	64QAM	25	12	20.77	20.64	20.89	20.48	20.48	22	0		
10	64QAM	25	25	20.74	20.62	20.84	20.63	20.41				
10	64QAM	50	0	20.80	20.56	20.85	20.55	20.60				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	20.85	20.56	20.90	20.57	20.57				
5	QPSK	1	12	20.71	20.53	20.83	20.45	20.47	22	0		
5	QPSK	1	24	20.62	20.39	20.71	20.26	20.31				
5	QPSK	12	0	20.74	20.64	20.84	20.65	20.58				
5	QPSK	12	7	20.76	20.51	20.89	20.65	20.48	22	0		
5	QPSK	12	13	20.77	20.51	20.79	20.61	20.57				
5	QPSK	25	0	20.73	20.67	20.85	20.57	20.53				
5	16QAM	1	0	20.65	20.48	20.78	20.41	20.41				
5	16QAM	1	12	20.76	20.58	20.87	20.56	20.51	22	0		
5	16QAM	1	24	20.71	20.58	20.76	20.47	20.45				
5	16QAM	12	0	20.73	20.52	20.90	20.54	20.59				
5	16QAM	12	7	20.80	20.62	20.81	20.62	20.41	22	0		
5	16QAM	12	13	20.77	20.64	20.81	20.45	20.55				
5	16QAM	25	0	20.76	20.53	20.89	20.56	20.55				
5	64QAM	1	0	20.43	20.34	20.51	20.19	20.20				
5	64QAM	1	12	20.66	20.33	20.64	20.21	20.25	22	0		
5	64QAM	1	24	20.46	20.24	20.55	20.13	20.19				
5	64QAM	12	0	20.76	20.67	20.83	20.64	20.67				
5	64QAM	12	7	20.72	20.64	20.89	20.44	20.52	22	0		
5	64QAM	12	13	20.76	20.50	20.79	20.36	20.44				
5	64QAM	25	0	20.71	20.55	20.79	20.61	20.54				

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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.42	19.24	19.07	19.46	19.46	20.7	0		
20	QPSK	1	49	19.28	19.23	19.47	19.28	19.45				
20	QPSK	1	99	19.18	19.20	19.34	19.26	19.32				
20	QPSK	50	0	19.45	19.29	19.53	19.46	19.49	20.7	0		
20	QPSK	50	24	19.43	19.27	19.46	19.38	19.25				
20	QPSK	50	50	19.39	19.12	19.35	19.38	19.48				
20	QPSK	100	0	19.32	19.20	19.34	19.29	19.29	20.7	0		
20	16QAM	1	0	19.29	19.06	19.31	19.29	19.37				
20	16QAM	1	49	19.45	19.15	19.43	19.39	19.55				
20	16QAM	1	99	19.29	19.31	19.55	19.46	19.54	20.7	0		
20	16QAM	50	0	19.36	19.11	19.51	19.38	19.37				
20	16QAM	50	24	19.32	19.23	19.30	19.45	19.39				
20	16QAM	50	50	19.38	19.27	19.43	19.53	19.45	20.7	0		
20	16QAM	100	0	19.33	19.14	19.44	19.39	19.20				
20	64QAM	1	0	19.03	18.95	19.09	19.03	19.24				
20	64QAM	1	49	19.11	18.91	19.31	19.17	19.26	20.7	0		
20	64QAM	1	99	18.92	19.00	19.26	18.13	19.26				
20	64QAM	50	0	19.25	19.13	19.41	19.42	19.56				
20	64QAM	50	24	19.34	19.20	19.44	19.42	19.52	20.7	0		
20	64QAM	50	50	19.40	19.18	19.56	19.40	19.56				
20	64QAM	100	0	19.26	19.14	19.42	19.50	19.55				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.35	19.21	19.51	19.41	19.42	20.7	0		
15	QPSK	1	37	19.25	19.19	19.44	19.21	19.41				
15	QPSK	1	74	19.14	19.14	19.27	19.19	19.25				
15	QPSK	36	0	19.39	19.22	19.46	19.35	19.46	20.7	0		
15	QPSK	36	20	19.38	19.21	19.41	19.35	19.18				
15	QPSK	36	39	19.36	19.06	19.29	19.35	19.42				
15	QPSK	75	0	19.29	19.17	19.30	19.25	19.24	20.7	0		
15	16QAM	1	0	19.22	19.03	19.27	19.24	19.31				
15	16QAM	1	37	19.40	19.12	19.39	19.36	19.48				
15	16QAM	1	74	19.22	19.25	19.51	19.42	19.51	20.7	0		
15	16QAM	36	0	19.35	19.07	19.44	19.32	19.34				
15	16QAM	36	20	19.28	19.15	19.26	19.38	19.36				
15	16QAM	36	39	19.32	19.21	19.38	19.50	19.38	20.7	0		
15	16QAM	75	0	19.30	19.11	19.41	19.33	19.16				
15	64QAM	1	0	19.00	18.92	19.04	19.00	19.20				
15	64QAM	1	37	19.05	18.94	19.27	19.12	19.21	20.7	0		
15	64QAM	1	74	18.98	18.94	19.21	19.06	19.21				
15	64QAM	36	0	19.21	19.10	19.36	19.35	19.50				
15	64QAM	36	20	19.30	19.16	19.39	19.37	19.46	20.7	0		
15	64QAM	36	39	19.37	19.13	19.49	19.37	19.51				
15	64QAM	75	0	19.23	19.08	19.35	19.47	19.48				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.39	19.17	19.51	19.40	19.42	20.7	0		
10	QPSK	1	25	19.34	19.16	19.40	19.24	19.36				
10	QPSK	1	49	19.13	19.15	19.27	19.19	19.28				
10	QPSK	25	0	19.38	19.24	19.50	19.35	19.43	20.7	0		
10	QPSK	25	12	19.36	19.21	19.41	19.31	19.20				
10	QPSK	25	25	19.34	19.06	19.29	19.33	19.41				
10	QPSK	50	0	19.26	19.16	19.30	19.26	19.25	20.7	0		
10	16QAM	1	0	19.25	19.03	19.27	19.23	19.33				
10	16QAM	1	25	19.39	19.11	19.40	19.33	19.52				
10	16QAM	1	49	19.26	19.25	19.50	19.43	19.51	20.7	0		
10	16QAM	25	0	19.31	19.07	19.46	19.35	19.30				
10	16QAM	25	12	19.26	19.18	19.25	19.41	19.35				
10	16QAM	25	25	19.33	19.23	19.37	19.47	19.40	20.7	0		
10	16QAM	50	0	19.30	19.10	19.38	19.33	19.16				
10	64QAM	1	0	18.99	18.92	19.04	18.98	19.21				
10	64QAM	1	25	19.04	18.95	19.24	19.11	19.21	20.7	0		
10	64QAM	1	49	18.95	18.93	19.23	19.10	19.20				
10	64QAM	25	0	19.22	19.08	19.36	19.36	19.51				
10	64QAM	25	12	19.29	19.14	19.38	19.38	19.47	20.7	0		
10	64QAM	25	25	19.35	19.14	19.52	19.35	19.51				
10	64QAM	50	0	19.20	19.09	19.37	19.44	19.50				
Channel				39675	40148	40620	41093	41566	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	19.37	19.18	19.53	19.42	19.42	20.7	0		
5	QPSK	1	12	19.21	19.20	19.40	19.21	19.39				
5	QPSK	1	24	19.15	19.13	19.27	19.19	19.26				
5	QPSK	12	0	19.40	19.23	19.46	19.35	19.43	20.7	0		
5	QPSK	12	7	19.37	19.22	19.41	19.33	19.21				
5	QPSK	12	13	19.34	19.07	19.32	19.33	19.45				
5	QPSK	25	0	19.25	19.17	19.30	19.23	19.26	20.7	0		
5	16QAM	1	0	19.25	19.02	19.28	19.23	19.30				
5	16QAM	1	12	19.41	19.08	19.37	19.34	19.52				
5	16QAM	1	24	19.26	19.24	19.48	19.41	19.51	20.7	0		
5	16QAM	12	0	19.31	19.08	19.44	19.35	19.30				
5	16QAM	12	7	19.28	19.17	19.25	19.42	19.34				
5	16QAM	12	13	19.29	19.23	19.39	19.47	19.39	20.7	0		
5	16QAM	25	0	19.30	19.08	19.38	19.35	19.17				
5	64QAM	1	0	18.97	18.90	19.06	18.98	19.19				
5	64QAM	1	12	19.06	18.94	19.27	19.12	19.22	20.7	0		
5	64QAM	1	24	18.98	18.97	19.20	19.06	19.21				
5	64QAM	12	0	19.18	19.10	19.38	19.39	19.52				
5	64QAM	12	7	19.27	19.16	19.38	19.37	19.45	20.7	0		
5	64QAM	12	13	19.26	19.13	19.49	19.34	19.52				
5	64QAM	25	0	19.19	19.10	19.37	19.46	19.48				

Band 41_Ant 3												
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2509	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.46	23.33	23.53	23.38	23.50	24.5	0		
20	QPSK	1	49	23.30	23.31	23.41	23.37	23.28				
20	QPSK	1	99	23.31	23.31	23.36	23.21	23.24				
20	QPSK	50	0	22.42	22.42	22.52	22.45	22.49	23.5	1		
20	QPSK	50	24	22.36	22.34	22.39	22.32	22.34				
20	QPSK	50	50	22.32	22.27	22.39	22.32	22.33				
20	QPSK	100	0	22.26	22.36	22.45	22.40	22.42	23.5	1		
20	16QAM	1	0	22.53	22.30	22.55	22.39	22.51				
20	16QAM	1	49	22.38	22.42	22.37	22.42	22.39				
20	16QAM	1	99	22.45	22.42	22.46	22.45	22.43	22.5	2		
20	16QAM	50	0	21.48	21.36	21.38	21.27	21.48				
20	16QAM	50	24	21.43	21.38	21.36	21.43	21.42				
20	16QAM	50	50	21.35	21.37	21.39	21.30	21.32	21.5	3		
20	16QAM	100	0	21.46	21.30	21.52	21.40	21.54				
20	64QAM	1	0	21.22	21.07	21.29	21.14	21.32				
20	64QAM	1	49	21.16	21.12	21.10	21.08	21.11	22.5	2		
20	64QAM	1	99	21.21	21.22	21.20	21.21	21.23				
20	64QAM	50	0	20.41	20.30	20.37	20.42	20.38				
20	64QAM	50	24	20.44	20.43	20.37	20.41	20.38	21.5	3		
20	64QAM	50	50	20.29	20.30	20.34	20.34	20.27				
20	64QAM	100	0	20.42	20.23	20.47	20.37	20.40				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.20	23.46	23.26	23.42	24.5	0		
15	QPSK	1	37	23.17	23.23	23.30	23.32	23.21				
15	QPSK	1	74	23.16	23.28	23.28	23.09	23.14				
15	QPSK	36	0	22.35	22.26	22.43	22.39	22.42	23.5	1		
15	QPSK	36	20	22.33	22.29	22.37	22.25	22.20				
15	QPSK	36	39	22.26	22.16	22.32	22.24	22.27				
15	QPSK	75	0	22.32	22.31	22.42	22.29	22.29	23.5	1		
15	16QAM	1	0	22.44	22.26	22.47	22.34	22.47				
15	16QAM	1	37	22.33	22.33	22.22	22.37	22.25				
15	16QAM	1	74	22.32	22.31	22.22	22.32	22.25	22.5	2		
15	16QAM	36	0	21.43	21.27	21.51	21.42	21.37				
15	16QAM	36	20	21.32	21.29	21.31	21.30	21.32				
15	16QAM	36	39	21.24	21.27	21.31	21.17	21.24	22.5	2		
15	16QAM	75	0	21.41	21.20	21.40	21.33	21.43				
15	64QAM	1	0	21.09	21.02	21.18	21.06	21.21				
15	64QAM	1	37	21.06	21.06	21.06	21.06	21.08	22.5	2		
15	64QAM	1	74	21.09	21.12	21.12	21.18	21.14				
15	64QAM	36	0	20.28	20.23	20.38	20.37	20.32				
15	64QAM	36	20	20.35	20.37	20.28	20.26	20.30	21.5	3		
15	64QAM	36	39	20.17	20.25	20.23	20.24	20.19				
15	64QAM	75	0	20.35	20.08	20.42	20.27	20.31				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.35	24.28	24.38	24.28	24.43	24.5	0		
10	QPSK	1	25	23.20	23.24	23.37	23.25	23.20				
10	QPSK	1	49	23.22	23.29	23.26	23.13	23.09				
10	QPSK	25	0	22.30	22.19	22.42	22.38	22.39	23.5	1		
10	QPSK	25	12	22.24	22.25	22.35	22.25	22.25				
10	QPSK	25	25	22.28	22.19	22.32	22.20	22.22				
10	QPSK	50	0	22.26	22.32	22.43	22.30	22.35	23.5	1		
10	16QAM	1	0	22.50	22.17	22.43	22.29	22.42				
10	16QAM	1	25	22.28	22.36	22.23	22.34	22.27				
10	16QAM	1	49	22.38	22.39	22.43	22.40	22.29	22.5	2		
10	16QAM	25	0	21.39	21.21	21.42	21.43	21.41				
10	16QAM	25	12	21.33	21.24	21.26	21.37	21.35				
10	16QAM	25	25	21.26	21.32	21.30	21.18	21.22	21.5	3		
10	16QAM	50	0	21.31	21.16	21.43	21.29	21.32				
10	64QAM	1	0	21.17	20.96	21.16	21.07	21.28				
10	64QAM	1	25	21.03	21.05	20.99	21.05	21.06	22.5	2		
10	64QAM	1	49	21.08	21.07	21.09	21.10	21.19				
10	64QAM	25	0	20.31	20.23	20.44	20.37	20.43				
10	64QAM	25	12	20.37	20.30	20.27	20.29	20.31	21.5	3		
10	64QAM	25	25	20.22	20.20	20.21	20.28	20.19				
10	64QAM	50	0	20.27	20.19	20.43	20.29	20.38				
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5				
5	QPSK	1	0	23.37	23.23	23.47	23.30	23.43	24.5	0		
5	QPSK	1	12	23.17	23.24	23.35	23.30	23.22				
5	QPSK	1	24	23.19	23.23	23.21	23.15	23.18				
5	QPSK	12	0	22.36	22.27	22.41	22.33	22.34	23.5	1		
5	QPSK	12	7	22.26	22.26	22.39	22.17	22.31				
5	QPSK	12	13	22.29	22.21	22.35	22.29	22.22				
5	16QAM	1	0	22.43	22.25	22.47	22.26	22.47	23.5	1		
5	16QAM	1	12	22.35	22.38	22.27	22.37	22.36				
5	16QAM	1	24	22.33	22.30	22.42	22.33	22.28				
5	16QAM	12	0	21.41	21.28	21.46	21.44	21.45	22.5	2		
5	16QAM	12	7	21.36	21.34	21.30	21.39	21.33				
5	16QAM	12	13	21.31	21.27	21.33	21.25	21.20				
5	16QAM	25	0	21.40	21.26	21.38	21.37	21.48	21.5	3		
5	64QAM	1	0	21.07	20.93	21.20	21.00	21.27				
5	64QAM	1	12	21.10	21.03	21.04	20.93	21.07				
5	64QAM	1	24	21.15	21.12	21.12	21.09	21.13	22.5	2		
5	64QAM	12	0	20.30	20.20	20.39	20.41	20.35				
5	64QAM	12	7	20.32	20.39	20.26	20.30	20.32				
5	64QAM	12	13	20.24	20.19	20.20	20.20	20.19	21.5	3		
5	64QAM	25	0	20.28	20.15	20.40	20.32	20.26				

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CA_7C_Ant0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	24.74	25.50
21100	20902	QPSK	1	0	0	0	1	0	Default Power	24.81	25.50
21350	21152	QPSK	1	0	0	0	1	0	Default Power	24.77	25.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 0	24.74	25.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 0	24.81	25.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 0	24.77	25.50
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	21.86	22.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	21.89	22.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	21.81	22.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 1	21.93	22.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 1	22.01	22.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 1	21.95	22.50
20850	21048	QPSK	50	0	0	0	50	0	DSI 3	23.49	24.00
21100	20902	QPSK	50	0	0	0	50	0	DSI 3	23.52	24.00
21350	21152	QPSK	50	0	0	0	50	0	DSI 3	23.51	24.00

CA_7C_Ant1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	23.91	24.70
21100	20902	QPSK	1	0	0	0	1	0	Default Power	23.96	24.70
21350	21152	QPSK	1	0	0	0	1	0	Default Power	23.88	24.70
20850	21048	QPSK	50	0	0	0	50	0	DSI 0	16.95	17.70
21100	20902	QPSK	50	0	0	0	50	0	DSI 0	16.98	17.70
21350	21152	QPSK	50	0	0	0	50	0	DSI 0	16.93	17.70
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	16.95	17.70
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	16.98	17.70
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	16.93	17.70
20850	21048	QPSK	1	0	0	0	1	0	DSI 1	17.46	18.20
21100	20902	QPSK	1	0	0	0	1	0	DSI 1	17.53	18.20
21350	21152	QPSK	1	0	0	0	1	0	DSI 1	17.41	18.20
20850	21048	QPSK	50	0	0	0	50	0	DSI 3	21.49	22.20
21100	20902	QPSK	50	0	0	0	50	0	DSI 3	21.53	22.20
21350	21152	QPSK	50	0	0	0	50	0	DSI 3	21.51	22.20

CA_7C_Ant2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	24.51	25.60
21100	20902	QPSK	1	0	0	0	1	0	Default Power	24.62	25.60
21350	21152	QPSK	1	0	0	0	1	0	Default Power	24.59	25.60
20850	21048	QPSK	50	0	0	0	50	0	DSI 0	18.95	20.10
21100	20902	QPSK	50	0	0	0	50	0	DSI 0	18.98	20.10
21350	21152	QPSK	50	0	0	0	50	0	DSI 0	18.91	20.10
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	18.95	20.10
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	18.98	20.10
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	18.91	20.10
20850	21048	QPSK	50	0	0	0	50	0	DSI 1	19.35	20.60
21100	20902	QPSK	50	0	0	0	50	0	DSI 1	19.41	20.60
21350	21152	QPSK	50	0	0	0	50	0	DSI 1	19.37	20.60
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	24.51	25.60
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	24.62	25.60
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	24.59	25.60

CA_7C_Ant3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	23.18	24.10
21100	20902	QPSK	1	0	0	0	1	0	Default Power	23.21	24.10
21350	21152	QPSK	1	0	0	0	1	0	Default Power	23.16	24.10
20850	21048	QPSK	1	0	0	0	1	0	DSI 0	23.18	24.10
21100	20902	QPSK	1	0	0	0	1	0	DSI 0	23.21	24.10
21350	21152	QPSK	1	0	0	0	1	0	DSI 0	23.16	24.10
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	21.11	22.10
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	21.19	22.10
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	21.17	22.10
20850	21048	QPSK	50	0	0	0	50	0	DSI 1	21.11	22.10
21100	20902	QPSK	50	0	0	0	50	0	DSI 1	21.19	22.10
21350	21152	QPSK	50	0	0	0	50	0	DSI 1	21.17	22.10
20850	21048	QPSK	50	0	0	0	50	0	DSI 3	21.11	22.10
21100	20902	QPSK	50	0	0	0	50	0	DSI 3	21.19	22.10
21350	21152	QPSK	50	0	0	0	50	0	DSI 3	21.17	22.10

CA_38C_Ant0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	24.69	25.50
37901	38099	QPSK	1	0	0	0	1	0	Default Power	24.65	25.50
38150	37952	QPSK	1	0	0	0	1	0	Default Power	24.74	25.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	24.69	25.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	24.65	25.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	24.74	25.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	24.17	25.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	24.23	25.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	24.29	25.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	24.17	25.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	24.23	25.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	24.29	25.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	24.69	25.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	24.65	25.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	24.74	25.50

CA_38C_Ant1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	23.81	25.00
37901	38099	QPSK	1	0	0	0	1	0	Default Power	23.83	25.00
38150	37952	QPSK	1	0	0	0	1	0	Default Power	23.88	25.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	20.81	22.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	20.77	22.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	20.83	22.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	20.81	22.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	20.77	22.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	20.83	22.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	21.78	23.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	21.82	23.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	21.85	23.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	23.81	25.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	23.83	25.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	23.88	25.00

CA_38C_Ant2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	24.35	25.70
37901	38099	QPSK	1	0	0	0	1	0	Default Power	24.31	25.70
38150	37952	QPSK	1	0	0	0	1	0	Default Power	24.38	25.70
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	20.70	22.20
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	20.65	22.20
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	20.72	22.20
37850	38048	QPSK	50	0	0	0	50	0	DSI 4	20.79	22.20
37901	38099	QPSK	50	0	0	0	50	0	DSI 4	20.77	22.20
38150	37952	QPSK	50	0	0	0	50	0	DSI 4	20.81	22.20
37850	38048	QPSK	50	0	0	0	50	0	DSI 1	21.35	22.70
37901	38099	QPSK	50	0	0	0	50	0	DSI 1	21.37	22.70
38150	37952	QPSK	50	0	0	0	50	0	DSI 1	21.43	22.70
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	24.35	25.70
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	24.31	25.70
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	24.38	25.70

CA_38C_Ant3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	23.35	24.50
37901	38099	QPSK	1	0	0	0	1	0	Default Power	23.37	24.50
38150	37952	QPSK	1	0	0	0	1	0	Default Power	23.41	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	23.35	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	23.37	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	23.41	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	23.35	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	23.37	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	23.41	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	23.35	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	23.37	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	23.41	24.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	23.35	24.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	23.37	24.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	23.41	24.50

CA_41C_Ant 0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Default Power	24.81	25.50
40185	40383	QPSK	1	0	0	0	1	0	Default Power	24.83	25.50
40620	40818	QPSK	1	0	0	0	1	0	Default Power	24.86	25.50
41055	41253	QPSK	1	0	0	0	1	0	Default Power	24.76	25.50
41490	41292	QPSK	1	0	0	0	1	0	Default Power	24.74	25.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	24.81	25.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	24.83	25.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	24.86	25.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	24.76	25.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	24.74	25.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	24.23	25.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 4	24.27	25.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 4	24.31	25.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 4	24.25	25.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	24.24	25.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 1	24.23	25.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 1	24.27	25.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 1	24.31	25.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 1	24.25	25.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 1	24.24	25.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	24.81	25.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	24.83	25.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	24.86	25.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	24.76	25.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	24.74	25.50

CA_41C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Default Power	23.92	25.00
40185	40383	QPSK	1	0	0	0	1	0	Default Power	23.95	25.00
40620	40818	QPSK	1	0	0	0	1	0	Default Power	23.97	25.00
41055	41253	QPSK	1	0	0	0	1	0	Default Power	23.89	25.00
41490	41292	QPSK	1	0	0	0	1	0	Default Power	23.91	25.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	20.81	22.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	20.84	22.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	20.90	22.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	20.78	22.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	20.88	22.00
39750	39948	QPSK	50	0	0	0	50	0	DSI 4	20.79	22.00
40185	40383	QPSK	50	0	0	0	50	0	DSI 4	20.83	22.00
40620	40818	QPSK	50	0	0	0	50	0	DSI 4	20.88	22.00
41055	41253	QPSK	50	0	0	0	50	0	DSI 4	20.76	22.00
41490	41292	QPSK	50	0	0	0	50	0	DSI 4	20.85	22.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 1	22.93	24.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 1	22.97	24.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 1	23.01	24.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 1	22.94	24.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 1	22.98	24.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	23.92	25.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	23.95	25.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	23.97	25.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	23.89	25.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	23.91	25.00

CA_41C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Default Power	24.53	25.70
40185	40383	QPSK	1	0	0	0	1	0	Default Power	24.48	25.70
40620	40818	QPSK	1	0	0	0	1	0	Default Power	24.58	25.70
41055	41253	QPSK	1	0	0	0	1	0	Default Power	23.54	25.70
41490	41292	QPSK	1	0	0	0	1	0	Default Power	24.51	25.70
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	20.71	22.20
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	20.68	22.20
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	20.74	22.20
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	20.72	22.20
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	20.65	22.20
39750	39948	QPSK	50	0	0	0	50	0	DSI 4	19.44	20.70
40185	40383	QPSK	50	0	0	0	50	0	DSI 4	19.47	20.70
40620	40818	QPSK	50	0	0	0	50	0	DSI 4	19.50	20.70
41055	41253	QPSK	50	0	0	0	50	0	DSI 4	19.48	20.70
41490	41292	QPSK	50	0	0	0	50	0	DSI 4	19.43	20.70
39750	39948	QPSK	50	0	0	0	50	0	DSI 1	19.44	20.70
40185	40383	QPSK	50	0	0	0	50	0	DSI 1	19.47	20.70
40620	40818	QPSK	50	0	0	0	50	0	DSI 1	19.50	20.70
41055	41253	QPSK	50	0	0	0	50	0	DSI 1	19.48	20.70
41490	41292	QPSK	50	0	0	0	50	0	DSI 1	19.43	20.70
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	24.53	25.70
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	24.48	25.70
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	24.58	25.70
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	23.54	25.70
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	24.51	25.70

CA_41C_Ant 3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	Default Power	23.42	24.50
40185	40383	QPSK	1	0	0	0	1	0	Default Power	23.39	24.50
40620	40818	QPSK	1	0	0	0	1	0	Default Power	23.48	24.50
41055	41253	QPSK	1	0	0	0	1	0	Default Power	23.40	24.50
41490	41292	QPSK	1	0	0	0	1	0	Default Power	23.45	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	23.42	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	23.39	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	23.48	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	23.40	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	23.45	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	23.42	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 4	23.39	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 4	23.48	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 4	23.40	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	23.45	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 1	23.42	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 1	23.39	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 1	23.48	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 1	23.40	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 1	23.45	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	23.42	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	23.39	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	23.48	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	23.40	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	23.45	24.50

DL CA

Full Power																
2CC																
Configure		CA Configuration (BCS)	PCC						SCC				Power			
			LTE Band	BW (MHz)	UL Channel	UL Freq. (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	23.04	23.16	
		CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	24.31	24.44	
		CA_38A-66A	Band 38	20M	2595	38000	QPSK	1	0	Band 66	5M	2164.3	66979	24.53	24.78	
		CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	24.32	24.56	
Intra-Band	Non-Contiguous	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	22.91	23.16	
		CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.86	23.16	
	Contiguous	CA_38C	Band 38	20M	2595	38000	QPSK	1	0	Band 38	20M	2599.8	38048	24.44	24.78	
		CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.71	24.91	
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	24.22	24.56	

3CC																			
Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Channel	UL Freq (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	10M	2132.5	2175	Band 5	10M	881.5	2525	23.01	23.16
		CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2680	3350	23.05	23.16
		CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.55	24.87
		CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.43	24.65
		CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	5M	2197.5	67311	24.29	24.44
		CA_5A-7A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.36	24.44
		CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	22.98	23.16
		CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.27	24.46
		CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.30	24.44
Intra-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2506	39750	Band 41	20M	2680	41490	24.70	24.91
	Contiguous	CA_41D	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	24.72	24.91

4CC																								
Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power		
			LTE Band	BW (MHz)	UL Channel	UL Freq. (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Intra-Band	Contiguous	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9	40779	24.67	24.91	



Default Power for LTE Inter UL CA SAR

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)									
20	QPSK	1	0	23.61	23.68	23.63			
20	QPSK	1	49	23.50	23.58	23.56	24.5	0	
20	QPSK	1	99	23.58	23.55	23.45			
20	QPSK	50	0	22.55	22.68	22.59			
20	QPSK	50	24	22.39	22.54	22.49	23.5	1	
20	QPSK	50	50	22.52	22.53	22.39			
20	QPSK	100	0	22.38	22.52	22.42			
20	16QAM	1	0	22.59	22.62	22.62	23.5	1	
20	16QAM	1	49	22.56	22.61	22.60			
20	16QAM	1	99	22.60	22.60	22.54			
20	16QAM	50	0	21.46	21.55	21.45			
20	16QAM	50	24	21.55	21.64	21.61	22.5	2	
20	16QAM	50	50	21.44	21.46	21.33			
20	16QAM	100	0	21.43	21.52	21.52			
20	64QAM	1	0	21.45	21.57	21.48			
20	64QAM	1	49	21.61	21.62	21.50	22.5	2	
20	64QAM	1	99	21.39	21.53	21.46			
20	64QAM	50	0	20.49	20.55	20.52			
20	64QAM	50	24	20.61	20.71	20.66	21.5	3	
20	64QAM	50	50	20.54	20.55	20.46			
20	64QAM	100	0	20.52	20.51	20.42			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.58	23.65	23.68	24.5	0	
15	QPSK	1	37	23.37	23.53	23.36			
15	QPSK	1	74	23.42	23.63	23.46			
15	QPSK	36	0	22.39	22.53	22.33	23.5	1	
15	QPSK	36	20	22.13	22.32	22.34			
15	QPSK	36	50	22.40	22.36	22.36			
15	QPSK	75	0	22.19	22.41	22.40			
15	16QAM	1	0	22.37	22.59	22.46	23.5	1	
15	16QAM	1	37	22.62	22.58	22.43			
15	16QAM	1	74	22.63	22.44	22.57			
15	16QAM	36	0	21.46	21.48	21.41	22.5	2	
15	16QAM	36	20	21.50	21.63	21.47			
15	16QAM	36	39	21.27	21.47	21.41			
15	16QAM	75	0	21.41	21.32	21.58			
15	64QAM	1	0	21.25	21.53	21.20	22.5	2	
15	64QAM	1	37	21.56	21.69	21.35			
15	64QAM	1	74	21.31	21.43	21.30			
15	64QAM	36	0	20.44	20.39	20.31	21.5	3	
15	64QAM	36	20	20.50	20.54	20.65			
15	64QAM	36	39	20.45	20.62	20.19			
15	64QAM	75	0	20.32	20.49	20.46			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.34	23.66	23.48	24.5	0	
10	QPSK	1	49	23.30	23.38	23.16			
10	QPSK	25	0	22.44	22.39	22.53	23.5	1	
10	QPSK	25	12	22.28	22.28	22.55			
10	QPSK	25	25	22.30	22.60	22.34			
10	QPSK	50	0	22.31	22.24	22.41	23.5	1	
10	16QAM	1	0	22.37	22.46	22.43			
10	16QAM	1	25	22.62	22.69	22.58	23.5	1	
10	16QAM	1	49	22.53	22.47	22.51			
10	16QAM	25	0	21.31	21.59	21.17			
10	16QAM	25	12	21.29	21.41	21.58	22.5	2	
10	16QAM	25	25	21.17	21.43	21.26			
10	16QAM	50	0	21.18	21.34	21.28			
10	64QAM	1	0	21.24	21.53	21.36	22.5	2	
10	64QAM	1	25	21.65	21.40	21.42			
10	64QAM	1	49	21.29	21.48	21.57			
10	64QAM	25	0	20.67	20.60	20.61	21.5	3	
10	64QAM	25	12	20.61	20.67	20.59			
10	64QAM	25	25	20.59	20.63	20.45			
10	64QAM	50	0	20.46	20.43	20.36			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.61	23.61	23.53	24.5	0	
5	QPSK	1	12	23.45	23.41	23.48			
5	QPSK	1	24	23.50	23.51	23.40			
5	QPSK	12	0	22.58	22.49	22.46	23.5	1	
5	QPSK	12	7	22.42	22.48	22.22			
5	QPSK	12	13	22.39	22.44	22.26			
5	QPSK	25	0	22.10	22.55	22.16	23.5	1	
5	16QAM	1	0	22.48	22.40	22.61			
5	16QAM	1	12	22.60	22.45	22.36	23.5	1	
5	16QAM	1	24	22.61	22.54	22.50			
5	16QAM	12	0	21.50	21.38	21.41	22.5	2	
5	16QAM	12	7	21.63	21.51	21.33			
5	16QAM	12	13	21.36	21.40	21.34			
5	16QAM	25	0	21.34	21.54	21.39	21.5	3	
5	64QAM	1	0	21.35	21.54	21.23			
5	64QAM	1	12	21.66	21.36	21.49	22.5	2	
5	64QAM	1	24	21.38	21.30	21.47			
5	64QAM	12	0	20.56	20.45	20.46	21.5	3	
5	64QAM	12	7	20.34	20.53	20.63			
5	64QAM	12	13	20.50	20.53	20.20			
5	64QAM	25	0	20.28	20.32	20.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.60	23.63	23.46	24.5	0	
3	QPSK	1	8	23.55	23.58	23.31			
3	QPSK	1	14	23.52	23.40	23.61			
3	QPSK	8	0	22.63	22.67	22.64	23.5	1	
3	QPSK	8	4	22.25	22.46	22.49			
3	QPSK	8	7	22.38	22.35	22.46			
3	QPSK	15	0	22.18	22.58	22.24	23.5	1	
3	16QAM	1	0	22.49	22.69	22.44			
3	16QAM	1	8	22.51	22.35	22.45	23.5	1	
3	16QAM	1	14	22.60	22.64	22.57			
3	16QAM	8	0	21.36	21.48	21.53			
3	16QAM	8	4	21.36	21.67	21.56	22.5	2	
3	16QAM	8	7	21.30	21.34	21.41			
3	16QAM	15	0	21.26	21.38	21.29			
3	64QAM	1	0	21.35	21.44	21.39	22.5	2	
3	64QAM	1	8	21.58	21.58	21.46			
3	64QAM	1	14	21.39	21.42	21.51			
3	64QAM	8	0	20.54	20.44	20.54	21.5	3	
3	64QAM	8	4	20.57	20.45	20.63			
3	64QAM	8	7	20.33	20.55	20.29			
3	64QAM	15	0	20.55	20.26	20.16			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.47	23.54	23.61	24.5	0	
1.4	QPSK	1	5	23.34	23.44	23.43			
1.4	QPSK	3	0	23.35	23.31	23.39	23.5	1	
1.4	QPSK	3	1	23.14	23.51	23.29			
1.4	QPSK	3	3	23.42	23.40	23.15			
1.4	QPSK	6	0	22.22	22.31	22.50	23.5	1	
1.4	16QAM	1	0	22.32	22.45	22.42			
1.4	16QAM	1	3	22.35	22.48	22.59	23.5	1	
1.4	16QAM	1	5	22.39	22.40	22.40			
1.4	16QAM	3	0	22.28	22.44	22.11			
1.4	16QAM	3	1	22.17	22.35	22.33			
1.4	16QAM	3	3	22.18	22.23	22.11	22.5	2	
1.4	16QAM	6	0	21.19	21.50	21.36			
1.4	64QAM	1	0	21.46	21.34	21.30	22.5	2	
1.4	64QAM	1	3	21.60	21.45	21.32			
1.4	64QAM	1	5	21.36	21.43	21.50	22.5	2	
1.4	64QAM	3	0	21.46	21.46	21.24			
1.4	64QAM	3	1	21.31	21.35	21.43			
1.4	64QAM	3	3	21.46	21.29	21.36	21.5	3	
1.4	64QAM	6	0	20.26	20.47	20.41			

Band 2_Ant 3									
BW [MHz]	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	23.15	23.20	23.03			
20	QPSK	1	49	23.12	23.12	22.99	24.5	0	
20	QPSK	1	99	23.05	23.10	22.95			
20	QPSK	50	0	22.16	22.21	22.15			
20	QPSK	50	24	22.03	22.16	22.12	23.5	1	
20	QPSK	50	50	21.98	22.12	22.01			
20	QPSK	100	0	21.97	22.10	22.07			
20	16QAM	1	0	22.03	22.16	22.04			
20	16QAM	1	49	22.20	22.26	22.18	23.5	1	
20	16QAM	1	99	21.88	22.03	21.88			
20	16QAM	50	0	21.04	21.09	20.99			
20	16QAM	50	24	21.08	21.19	21.16	22.5	2	
20	16QAM	50	50	21.16	21.16	21.05			
20	16QAM	100	0	21.01	21.04		21.0		
20	64QAM	1	0	21.02	21.04	21.03			
20	64QAM	1	49	21.20	21.23	21.08	22.5	2	
20	64QAM	1	99	21.00	21.02	20.99			
20	64QAM	50	0	20.01	20.16	20.05			
20	64QAM	50	24	20.14	20.16	20.04	21.5	3	
20	64QAM	50	50	19.93	20.08	20.00			
20	64QAM	100	0	19.99	20.07	20.04			
Channel									
Frequency (MHz)				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.12	23.17	22.93			
15	QPSK	1	37	23.17	23.12	23.04	24.5	0	
15	QPSK	1	74	22.88	22.82	22.84			
15	QPSK	36	0	22.11	22.17	22.12	23.5	1	
15	QPSK	36	20	21.77	22.16	21.98			
15	QPSK	36	39	21.79	22.16	21.93			
15	QPSK	75	0	21.72	22.12	21.99			
15	16QAM	1	0	22.11	22.11	22.03	23.5	1	
15	16QAM	1	37	22.16	22.16	22.22			
15	16QAM	1	74	21.89	21.97	21.95			
15	16QAM	36	0	20.79	21.07	21.05			
15	16QAM	36	20	20.90	21.02	21.13	22.5	2	
15	16QAM	36	39	21.02	21.06	21.11			
15	16QAM	75	0	20.82	21.05	20.75			
15	64QAM	1	0	20.80	20.78	20.82	21.5	3	
15	64QAM	1	37	21.07	21.03	21.14	22.5	2	
15	64QAM	1	74	20.76	20.83	20.70			
15	64QAM	36	0	19.75	20.03	20.20			
15	64QAM	36	20	19.16	19.93	20.06	21.5	3	
15	64QAM	36	39	19.70	19.85	19.96			
15	64QAM	75	0	19.89	19.91	19.98			
Channel									
Frequency (MHz)				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.01	23.15	22.83			
10	QPSK	1	25	23.12	23.08	22.99	24.5	0	
10	QPSK	1	49	22.81	22.84	22.78			
10	QPSK	25	0	21.94	22.20	22.18	23.5	1	
10	QPSK	25	12	21.91	22.17	22.12			
10	QPSK	25	25	21.88	22.02	22.03	21.5	1	
10	QPSK	50	0	21.78	22.08	22.04			
10	16QAM	1	0	21.77	21.92	21.86	23.5	1	
10	16QAM	1	25	22.05	22.06	21.98			
10	16QAM	1	49	21.76	21.78	21.83			
10	16QAM	25	0	20.88	20.98	21.02	22.5	2	
10	16QAM	25	12	20.88	21.13	21.12			
10	16QAM	25	25	21.24	21.10	20.89			
10	16QAM	50	0	20.87	20.88	20.79			
10	64QAM	1	0	20.78	20.82	20.97	22.5	2	
10	64QAM	1	25	20.82	20.82	20.82			
10	64QAM	1	49	21.05	20.82	20.91			
10	64QAM	25	0	20.06	20.05	20.01	21.5	3	
10	64QAM	25	12	20.13	20.08	20.06			
10	64QAM	25	25	19.97	19.97	19.74			
10	64QAM	50	0	19.73	19.81	19.98			
Channel									
Frequency (MHz)				18625	18900	19075	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.06	23.12	22.99			
5	QPSK	1	12	23.02	22.91	23.03	24.5	0	
5	QPSK	1	24	23.01	23.00	22.72			
5	QPSK	12	0	22.13	21.98	22.17	23.5	1	
5	QPSK	12	7	22.07	22.24	22.02			
5	QPSK	12	13	21.78	22.17	22.04			
5	QPSK	25	0	21.85	22.12	22.08	21.5	1	
5	16QAM	1	0	21.82	21.88	21.95	23.5	1	
5	16QAM	1	12	22.08	22.26	22.12			
5	16QAM	1	24	21.80	21.88	22.06			
5	16QAM	12	0	20.98	20.98	21.00	22.5	2	
5	16QAM	12	7	20.90	21.20	21.12			
5	16QAM	12	13	20.95	20.95	20.90			
5	16QAM	25	0	20.77	21.10	20.96			
5	64QAM	1	0	20.93	20.90	20.79	22.5	2	
5	64QAM	1	12	21.01	21.29	20.81			
5	64QAM	1	24	21.04	21.20	20.98			
5	64QAM	12	0	19.82	19.18	19.91	21.5	3	
5	64QAM	12	7	19.95	20.24	20.00			
5	64QAM	12	13	19.80	19.98	19.87			
5	64QAM	25	0	19.96	20.10	20.04			
Channel									
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.18	22.96	23.00			
3	QPSK	1	8	23.03	23.01	22.85	24.5	0	
3	QPSK	8	0	21.98	22.01	22.21	23.5	1	
3	QPSK	8	4	21.86	21.96	21.93			
3	QPSK	8	7	22.01	21.84	22.01			
3	QPSK	15	0	21.94	21.85	21.95	23.5	1	
3	16QAM	1	0	21.87	22.14	21.78			
3	16QAM	1	8	22.19	22.02	21.98			
3	16QAM	1	14	21.88	22.01	22.06	22.5	2	
3	16QAM	8	0	21.03	21.04	20.85			
3	16QAM	8	4	21.95	21.05	21.16			
3	16QAM	8	7	20.90	20.90	20.89			
3	64QAM	1	0	20.96	20.18	20.93	22.5	2	
3	64QAM	1	8	21.18	21.14	21.07			
3	64QAM	1	14	20.98	20.93	21.01			
3	64QAM	8	0	20.77	20.91	20.91	21.5	3	
3	64QAM	8	4	20.19	19.98	20.10			
3	64QAM	8	7	19.83	19.96	19.97			
3	64QAM	15	0	19.98	20.11	19.99			
Channel									
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.13	23.06	22.99			
1.4	QPSK	1	3	22.99	22.87	22.79	24.5	0	
1.4	QPSK	1	6	22.97	22.87	22.88			
1.4	QPSK	3	0	22.82	22.92	22.91			
1.4	QPSK	3	1	22.69	22.84	22.93	23.5	1	
1.4	QPSK	3	3	22.70	22.88	22.89			
1.4	QPSK	6	0	21.85	22.17	22.13			
1.4	16QAM	1	0	21.93	22.23	22.15	22.5	1	
1.4	16QAM	1	5	21.85	21.88	21.85			
1.4	16QAM	3	0	21.80	21.92	21.95	21.5	1	
1.4	16QAM	3	1	21.88	22.15	22.02			
1.4	16QAM	3	3	22.12	21.98	21.77	22.5	2	
1.4	64QAM	1	0	20.81	20.88	20.91			
1.4	64QAM	1	3	21.12	21.14	21.12			
1.4	64QAM	1	5	20.84	20.79	21.03	22.5	2	
1.4	64QAM	3	0	20.66	20.88	21.07			
1.4	64QAM	3	1	20.81	20.84	20.76			
1.4	64QAM	3	3	20.68	21.05	20.75			
1.4	64QAM	6	0	19.72	19.83	19.81	21.5	3	

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	24.54	24.60	24.58	25.6	0		
20	QPSK	1	49	24.53	24.62	24.53				
20	QPSK	1	99	24.45	24.54	24.49				
20	QPSK	50	0	23.54	23.66	23.61				
20	QPSK	50	24	23.51	23.61	23.53	24.6	1		
20	QPSK	50	50	23.45	23.67	23.42				
20	QPSK	100	0	23.53	23.60	23.55				
20	16QAM	1	0	23.57	23.65	23.61				
20	16QAM	1	49	23.43	23.47	23.43	24.6	1		
20	16QAM	1	99	23.42	23.48	23.54				
20	16QAM	50	0	22.50	22.52	22.43				
20	16QAM	50	24	22.35	22.32	22.33				
20	16QAM	50	50	22.35	22.32	22.33	23.6	2		
20	16QAM	100	0	22.52	22.57	22.55				
20	64QAM	1	0	22.48	22.56	22.51				
20	64QAM	1	49	22.37	22.34	22.38				
20	64QAM	1	99	22.51	22.48	22.52	23.6	2		
20	64QAM	50	0	21.41	21.48	21.54				
20	64QAM	50	24	21.30	21.31	21.23				
20	64QAM	50	50	21.32	21.23	21.28				
20	64QAM	100	0	21.52	21.55	21.47	22.6	3		
Channel				20025	20175	20325				
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	24.46	24.54	24.43	25.6	0		
15	QPSK	1	37	24.47	24.59	24.39				
15	QPSK	1	74	24.37	24.50	24.42				
15	QPSK	36	0	23.39	23.61	23.53				
15	QPSK	36	20	23.45	23.48	23.48	24.6	1		
15	QPSK	36	39	23.30	23.47	23.57				
15	QPSK	75	0	23.50	23.52	23.43				
15	16QAM	1	0	23.52	23.53	23.48				
15	16QAM	1	37	23.29	23.34	23.39	24.6	1		
15	16QAM	1	74	23.33	23.42	23.40				
15	16QAM	36	0	22.45	22.44	22.39				
15	16QAM	36	20	22.29	22.37	22.19				
15	16QAM	36	39	22.30	22.24	22.25	23.6	2		
15	16QAM	75	0	22.48	22.48	22.41				
15	64QAM	1	0	22.41	22.41	22.40				
15	64QAM	1	37	22.30	22.25	22.24				
15	64QAM	1	74	22.42	22.38	22.43	23.6	2		
15	64QAM	36	0	21.28	21.34	21.45				
15	64QAM	36	20	21.21	21.21	21.16				
15	64QAM	36	39	21.21	21.16	21.20				
15	64QAM	75	0	21.46	21.47	21.42	22.6	3		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	24.49	24.59	24.49	25.6	0		
10	QPSK	1	25	24.42	24.54	24.43				
10	QPSK	1	49	24.39	24.46	24.44				
10	QPSK	25	0	23.45	23.61	23.54				
10	QPSK	25	12	23.43	23.53	23.41	24.6	1		
10	QPSK	25	25	23.37	23.52	23.37				
10	QPSK	50	0	23.49	23.54	23.51				
10	16QAM	1	0	23.45	23.61	23.56				
10	16QAM	1	25	23.36	23.34	23.36	24.6	1		
10	16QAM	1	49	23.28	23.37	23.41				
10	16QAM	25	0	22.42	22.49	22.30				
10	16QAM	25	12	22.25	22.22	22.25				
10	16QAM	25	25	22.30	22.10	22.20	23.6	2		
10	16QAM	50	0	22.40	22.45	22.43				
10	64QAM	1	0	22.41	22.49	22.47				
10	64QAM	1	25	22.31	22.29	22.26				
10	64QAM	1	49	22.42	22.35	22.44	23.6	2		
10	64QAM	25	0	21.28	21.35	21.47				
10	64QAM	25	12	21.25	21.20	21.10				
10	64QAM	25	25	21.18	21.17	21.25				
10	64QAM	50	0	21.46	21.49	21.35	22.6	3		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
5	QPSK	1	0	24.40	24.65	24.52	25.6	0		
5	QPSK	1	12	24.47	24.48	24.41				
5	QPSK	1	24	24.36	24.49	24.38				
5	QPSK	12	0	23.40	23.54	23.54				
5	QPSK	12	7	23.48	23.47	23.46	24.6	1		
5	QPSK	12	13	23.35	23.45	23.34				
5	QPSK	25	0	23.38	23.52	23.40				
5	16QAM	1	0	23.32	23.59	23.54				
5	16QAM	1	12	23.34	23.36	23.38	24.6	1		
5	16QAM	1	24	23.36	23.34	23.50				
5	16QAM	12	0	22.36	22.48	22.37				
5	16QAM	12	7	22.26	22.24	22.21				
5	16QAM	12	13	22.29	22.19	22.21	23.6	2		
5	16QAM	25	0	22.40	22.45	22.41				
5	64QAM	1	0	22.40	22.46	22.36				
5	64QAM	1	12	22.26	22.20	22.28				
5	64QAM	1	24	22.43	22.44	22.45	23.6	2		
5	64QAM	12	0	21.27	21.39	21.44				
5	64QAM	12	7	21.27	21.18	21.19				
5	64QAM	12	13	21.24	21.10	21.13				
5	64QAM	25	0	21.45	21.45	21.40	22.6	3		
Channel				19985	20175	20385				
Frequency (MHz)				1710.7	1732.5	1754.3				
3	QPSK	1	0	24.48	24.65	24.54	25.6	0		
3	QPSK	1	8	24.43	24.51	24.48				
3	QPSK	1	14	24.34	24.43	24.46				
3	QPSK	8	0	23.38	23.61	23.53				
3	QPSK	8	4	23.43	23.49	23.49	24.6	1		
3	QPSK	8	7	23.30	23.42	23.32				
3	QPSK	15	0	23.43	23.53	23.50				
3	16QAM	1	0	23.49	23.54	23.51				
3	16QAM	1	8	23.32	23.36	23.39	24.6	1		
3	16QAM	1	14	23.34	23.44	23.42				
3	16QAM	8	0	22.42	22.44	22.34				
3	16QAM	8	4	22.21	22.23	22.24				
3	16QAM	8	7	22.23	22.19	22.18	23.6	2		
3	16QAM	15	0	22.41	22.52	22.50				
3	64QAM	1	0	22.44	22.52	22.38				
3	64QAM	1	8	22.29	22.29	22.31				
3	64QAM	1	14	22.41	22.37	22.40	23.6	2		
3	64QAM	8	0	21.35	21.39	21.41				
3	64QAM	8	4	21.27	21.20	21.10				
3	64QAM	8	7	21.25	21.15	21.18				
3	64QAM	15	0	21.39	21.42	21.44	22.6	3		
Channel				19987 <th>20175</th> <th>20393</th>	20175	20393				
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	24.48	24.64	24.53	25.6	0		
1.4	QPSK	1	3	24.45	24.56	24.36				
1.4	QPSK	1	6	24.37	24.58	24.36				
1.4	QPSK	1	9	24.34	24.49	24.40				
1.4	QPSK	3	0	23.47	24.51	24.57	24.6	1		
1.4	QPSK	3	1	24.48	24.56	24.39				
1.4	QPSK	3	3	24.41	24.46	24.35				
1.4	QPSK	6	0	23.45	23.55	23.44				
1.4	16QAM	3	3	23.33	23.34	23.32	24.6	1		
1.4	16QAM	1	5	23.32	23.40	23.50				
1.4	16QAM	3	6	23.42	23.48	23.40				
1.4	16QAM	3	9	23.21	23.17	23.19				
1.4	16QAM	3	3	23.20	23.18	23.25	23.6	2		
1.4	16QAM	6	3	22.28	22.22	22.14				
1.4	64QAM	1	5	22.30	22.45	22.41				
1.4	64QAM	1	3	22.24	22.20	22.27				
1.4	64QAM	1	5	22.33	22.33	22.38	23.6	2		
1.4	64QAM	3	1	22.20	22.24	22.10				
1.4	64QAM	3	3	22.28	22.24	22.15				
1.4	64QAM	6	0	21.38	21.51	21.37				

DS10

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	12.55	12.65	12.55	13.5	0		
20	QPSK	1	49	12.54	12.64	12.52				
20	QPSK	1	99	12.51	12.55	12.53				
20	QPSK	50	0	12.57	12.63	12.61	13.5	0		
20	QPSK	50	24	12.53	12.59	12.46				
20	QPSK	50	50	12.52	12.56	12.41				
20	QPSK	100	0	12.41	12.50	12.38	13.5	0		
20	16QAM	1	0	12.62	12.57	12.44				
20	16QAM	1	49	12.47	12.58	12.43				
20	16QAM	1	99	12.45	12.52	12.39	13.5	0		
20	16QAM	50	0	12.44	12.59	12.62				
20	16QAM	50	24	12.53	12.48	12.50				
20	16QAM	50	50	12.58	12.54	12.39	13.5	0		
20	16QAM	100	0	12.53	12.55	12.49				
20	64QAM	1	0	12.45	12.57	12.54				
20	64QAM	1	49	12.46	12.54	12.49	13.5	0		
20	64QAM	1	99	12.47	12.56	12.52				
20	64QAM	50	0	12.39	12.49	12.37				
20	64QAM	50	24	12.53	12.58	12.63	13.5	0		
20	64QAM	50	50	12.58	12.54	12.56				
20	64QAM	100	0	12.40	12.51	12.52				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	12.54	12.55	12.51	13.5	0		
15	QPSK	1	37	12.52	12.61	12.42				
15	QPSK	1	74	12.39	12.48	12.45				
15	QPSK	36	0	12.55	12.57	12.51	13.5	0		
15	QPSK	36	20	12.49	12.50	12.42				
15	QPSK	36	39	12.43	12.51	12.34				
15	QPSK	75	0	12.29	12.46	12.28	13.5	0		
15	16QAM	1	0	12.52	12.47	12.34				
15	16QAM	1	37	12.44	12.55	12.37				
15	16QAM	1	74	12.33	12.44	12.30	13.5	0		
15	16QAM	36	0	12.38	12.53	12.60				
15	16QAM	36	20	12.47	12.40	12.44				
15	16QAM	36	39	12.49	12.46	12.27	13.5	0		
15	16QAM	75	0	12.49	12.47	12.45				
15	64QAM	1	0	12.35	12.53	12.45				
15	64QAM	1	37	12.42	12.50	12.46	13.5	0		
15	64QAM	1	74	12.38	12.40	12.42				
15	64QAM	36	0	12.36	12.45	12.25				
15	64QAM	36	20	12.46	12.55	12.56	13.5	0		
15	64QAM	36	39	12.54	12.46	12.48				
15	64QAM	75	0	12.33	12.39	12.49				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	12.56	12.58	12.43	13.5	0		
10	QPSK	1	25	12.49	12.59	12.42				
10	QPSK	1	49	12.44	12.46	12.45				
10	QPSK	25	0	12.46	12.53	12.53	13.5	0		
10	QPSK	25	12	12.50	12.47	12.39				
10	QPSK	25	25	12.48	12.53	12.33				
10	QPSK	50	0	12.29	12.46	12.28	13.5	0		
10	16QAM	1	0	12.53	12.49	12.35				
10	16QAM	1	25	12.41	12.56	12.31				
10	16QAM	1	49	12.39	12.40	12.30	13.5	0		
10	16QAM	25	0	12.34	12.50	12.57				
10	16QAM	25	12	12.43	12.45	12.47				
10	16QAM	25	25	12.49	12.43	12.30	13.5	0		
10	16QAM	50	0	12.47	12.43	12.37				
10	64QAM	1	0	12.40	12.52	12.47				
10	64QAM	1	25	12.39	12.43	12.40	13.5	0		
10	64QAM	1	49	12.35	12.44	12.47				
10	64QAM	25	0	12.34	12.38	12.29				
10	64QAM	25	12	12.43	12.46	12.61	13.5	0		
10	64QAM	25	25	12.55	12.48	12.47				
10	64QAM	50	0	12.34	12.49	12.41				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	12.42	12.61	12.47	13.5	0		
5	QPSK	1	12	12.45	12.58	12.42				
5	QPSK	1	24	12.45	12.44	12.42				
5	QPSK	12	0	12.52	12.61	12.58	13.5	0		
5	QPSK	12	7	12.44	12.48	12.38				
5	QPSK	12	13	12.41	12.45	12.39				
5	QPSK	25	0	12.30	12.48	12.33	13.5	0		
5	16QAM	1	0	12.59	12.52	12.36				
5	16QAM	1	12	12.41	12.46	12.36				
5	16QAM	1	24	12.50	12.45	12.28	13.5	0		
5	16QAM	12	0	12.40	12.50	12.59				
5	16QAM	12	7	12.42	12.36	12.38				
5	16QAM	12	13	12.52	12.52	12.27	13.5	0		
5	16QAM	25	0	12.43	12.48	12.40				
5	64QAM	1	0	12.41	12.51	12.51				
5	64QAM	1	12	12.40	12.46	12.46	13.5	0		
5	64QAM	1	24	12.35	12.51	12.48				
5	64QAM	12	0	12.38	12.47	12.35				
5	64QAM	12	7	12.45	12.56	12.54	13.5	0		
5	64QAM	12	13	12.52	12.42	12.53				
5	64QAM	25	0	12.37	12.40	12.50				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	12.46	12.57	12.45	13.5	0		
3	QPSK	1	8	12.45	12.56	12.49				
3	QPSK	1	12	12.45	12.58	12.42				
3	QPSK	8	0	12.45	12.55	12.54	13.5	0		
3	QPSK	8	4	12.51	12.50	12.43				
3	QPSK	8	7	12.50	12.48	12.34				
3	QPSK	15	0	12.30	12.44	12.34	13.5	0		
3	16QAM	1	0	12.54	12.45	12.37				
3	16QAM	1	8	12.44	12.56	12.33				
3	16QAM	1	14	12.41	12.41	12.35	13.5	0		
3	16QAM	8	0	12.32	12.50	12.60				
3	16QAM	8	4	12.51	12.46	12.45				
3	16QAM	8	7	12.53	12.50	12.37	13.5	0		
3	16QAM	15	0	12.41	12.51	12.38				
3	64QAM	1	0	12.39	12.46	12.51				
3	64QAM	1	8	12.35	12.43	12.45	13.5	0		
3	64QAM	1	14	12.36	12.54	12.44				
3	64QAM	8	0	12.32	12.39	12.35				
3	64QAM	8	4	12.48	12.52	12.54	13.5	0		
3	64QAM	8	7	12.50	12.45	12.52				
3	64QAM	15	0	12.33	12.42	12.48				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	12.49	12.61	12.46	13.5	0		
1.4	QPSK	1	3	12.49	12.59	12.41				
1.4	QPSK	1	5	12.43	12.53	12.47				
1.4	QPSK	3	0	12.49	12.49	12.39	13.5	0		
1.4	QPSK	3	1	12.43	12.47	12.40				
1.4	QPSK	3	3	12.46	12.50	12.36				
1.4	QPSK	6	0	12.29	12.46	12.34	13.5	0		
1.4	16QAM	1	0	12.51	12.48	12.37				
1.4	16QAM	1	3	12.37	12.53	12.40				
1.4	16QAM	1	5	12.43	12.45	12.30	13.5	0		
1.4	16QAM	3	0	12.32	12.57	12.35				
1.4	16QAM	3	1	12.42	12.45	12.40				
1.4	16QAM	3	3	12.49	12.47	12.28	13.5	0		
1.4	16QAM	6	0	12.50	12.45	12.39				
1.4	64QAM	1	0	12.36	12.53	12.48				
1.4	64QAM	1	3	12.38	12.43	12.47	13.5	0		
1.4	64QAM	1	5	12.41	12.53	12.43				
1.4	64QAM	3	0	12.37	12.40	12.35				
1.4	64QAM	3	1	12.41	12.47	12.52	13.5	0		
1.4	64QAM	3	3	12.48	12.44	12.50				
1.4	64QAM	6	0	12.35	12.40	12.48				

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										
Frequency (MHz)				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	18.66	18.76	18.67	19.6	0		
20	QPSK	1	49	18.63	18.70	18.60				
20	QPSK	1	99	18.44	18.50	18.43				
20	QPSK	50	0	18.61	18.71	18.61				
20	QPSK	50	24	18.63	18.73	18.65	19.6	0		
20	QPSK	50	50	18.59	18.69	18.62				
20	QPSK	100	0	18.60	18.69	18.60				
20	16QAM	1	0	18.57	18.67	18.59				
20	16QAM	1	49	18.60	18.64	18.57	19.6	0		
20	16QAM	1	99	18.71	18.75	18.67				
20	16QAM	50	0	18.58	18.70	18.58				
20	16QAM	50	24	18.63	18.75	18.64				
20	16QAM	50	50	18.60	18.68	18.64	19.6	0		
20	16QAM	100	0	18.59	18.67	18.56				
20	64QAM	1	0	18.66	18.71	18.65				
20	64QAM	1	49	18.71	18.74	18.65				
20	64QAM	1	99	18.58	18.63	18.56	19.6	0		
20	64QAM	50	0	18.57	18.67	18.58				
20	64QAM	50	24	18.66	18.71	18.68				
20	64QAM	50	50	18.57	18.66	18.57				
20	64QAM	100	0	18.65	18.68	18.64				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	18.57	18.67	18.64	19.6	0		
15	QPSK	1	37	18.55	18.63	18.50				
15	QPSK	1	74	18.36	18.46	18.36				
15	QPSK	36	0	18.56	18.67	18.58				
15	QPSK	36	20	18.54	18.67	18.58	19.6	0		
15	QPSK	36	39	18.49	18.63	18.59				
15	QPSK	75	0	18.56	18.58	18.48				
15	16QAM	1	0	18.49	18.63	18.49				
15	16QAM	1	37	18.57	18.56	18.51	19.6	0		
15	16QAM	1	74	18.65	18.71	18.56				
15	16QAM	36	0	18.50	18.67	18.50				
15	16QAM	36	20	18.54	18.65	18.52				
15	16QAM	36	39	18.54	18.58	18.58	19.6	0		
15	16QAM	75	0	18.55	18.64	18.51				
15	64QAM	1	0	18.54	18.61	18.57				
15	64QAM	1	37	18.67	18.62	18.54				
15	64QAM	1	74	18.51	18.57	18.45	19.6	0		
15	64QAM	36	0	18.52	18.59	18.54				
15	64QAM	36	20	18.63	18.59	18.65				
15	64QAM	36	39	18.52	18.62	18.45				
15	64QAM	75	0	18.62	18.61	18.53				
Channel				20000	20175	20350		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	18.61	18.68	18.61	19.6	0		
10	QPSK	1	25	18.60	18.58	18.50				
10	QPSK	1	49	18.40	18.36	18.32				
10	QPSK	25	0	18.56	18.66	18.58				
10	QPSK	25	12	18.54	18.66	18.62	19.6	0		
10	QPSK	25	25	18.50	18.58	18.55				
10	QPSK	50	0	18.51	18.57	18.54				
10	16QAM	1	0	18.49	18.63	18.55				
10	16QAM	1	25	18.55	18.61	18.50	19.6	0		
10	16QAM	1	49	18.62	18.56	18.52				
10	16QAM	25	0	18.53	18.64	18.51				
10	16QAM	25	12	18.51	18.67	18.56				
10	16QAM	25	25	18.55	18.57	18.53	19.6	0		
10	16QAM	50	0	18.48	18.59	18.52				
10	64QAM	1	0	18.58	18.66	18.61				
10	64QAM	1	25	18.65	18.69	18.57				
10	64QAM	1	49	18.46	18.54	18.47	19.6	0		
10	64QAM	25	0	18.47	18.61	18.48				
10	64QAM	25	12	18.61	18.60	18.57				
10	64QAM	25	25	18.52	18.61	18.52				
10	64QAM	50	0	18.53	18.56	18.57				
Channel				19975	20175	20375		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	18.56	18.69	18.62	19.6	0		
5	QPSK	1	12	18.51	18.62	18.51				
5	QPSK	1	24	18.33	18.38	18.31				
5	QPSK	12	0	18.54	18.61	18.57				
5	QPSK	12	7	18.55	18.61	18.56	19.6	0		
5	QPSK	12	13	18.47	18.64	18.58				
5	QPSK	25	0	18.53	18.63	18.53				
5	16QAM	1	0	18.52	18.55	18.54				
5	16QAM	1	12	18.48	18.58	18.51	19.6	0		
5	16QAM	1	24	18.61	18.66	18.64				
5	16QAM	12	0	18.47	18.59	18.55				
5	16QAM	12	7	18.53	18.71	18.52				
5	16QAM	12	13	18.48	18.59	18.60	19.6	0		
5	16QAM	25	0	18.56	18.63	18.48				
5	64QAM	1	0	18.60	18.68	18.57				
5	64QAM	1	12	18.62	18.69	18.61				
5	64QAM	1	24	18.55	18.52	18.53	19.6	0		
5	64QAM	12	0	18.53	18.59	18.51				
5	64QAM	12	7	18.59	18.61	18.63				
5	64QAM	12	13	18.51	18.60	18.49				
5	64QAM	25	0	18.58	18.61	18.54				
Channel				19957	20175	20393		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	18.55	18.73	18.58	19.6	0		
1.4	QPSK	1	3	18.59	18.58	18.50				
1.4	QPSK	1	5	18.35	18.41	18.34				
1.4	QPSK	3	0	18.58	18.67	18.54				
1.4	QPSK	3	1	18.55	18.65	18.56	19.6	0		
1.4	QPSK	3	3	18.49	18.58	18.50				
1.4	QPSK	6	0	18.53	18.64	18.48				
1.4	16QAM	1	0	18.48	18.61	18.55				
1.4	16QAM	1	3	18.52	18.56	18.48	19.6	0		
1.4	16QAM	1	5	18.65	18.72	18.64				
1.4	16QAM	3	0	18.54	18.59	18.46				
1.4	16QAM	3	1	18.56	18.68	18.56				
1.4	16QAM	3	3	18.49	18.63	18.57	19.6	0		
1.4	16QAM	6	0	18.52	18.63	18.48				
1.4	64QAM	1	0	18.57	18.65	18.54				
1.4	64QAM	1	3	18.61	18.63	18.60				
1.4	64QAM	1	5	18.53	18.60	18.47	19.6	0		
1.4	64QAM	3	0	18.47	18.56	18.52				
1.4	64QAM	3	1	18.56	18.68	18.57				
1.4	64QAM	3	3	18.53	18.56	18.52				
1.4	64QAM	6	0	18.54	18.56	18.61	19.6	0		

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

DSH1

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	15.70	15.86	15.69	16.5	0		
20	QPSK	1	49	15.69	15.80	15.67				
20	QPSK	1	99	15.65	15.69	15.63				
20	QPSK	50	0	15.69	15.79	15.75				
20	QPSK	50	24	15.67	15.76	15.71	16.5	0		
20	QPSK	50	50	15.63	15.73	15.63				
20	QPSK	100	0	15.62	15.67	15.57				
20	16QAM	1	0	15.63	15.76	15.68				
20	16QAM	1	49	15.78	15.85	15.76	16.5	0		
20	16QAM	1	99	15.74	15.85	15.60				
20	16QAM	50	0	15.63	15.66	15.66				
20	16QAM	50	24	15.77	15.78	15.65				
20	16QAM	50	50	15.65	15.72	15.70	16.5	0		
20	16QAM	100	0	15.55	15.68	15.66				
20	64QAM	1	0	15.80	15.82	15.75				
20	64QAM	1	49	15.73	15.85	15.82				
20	64QAM	1	99	15.75	15.81	15.59	16.5	0		
20	64QAM	50	0	15.60	15.65	15.56				
20	64QAM	50	24	15.59	15.78	15.58				
20	64QAM	50	50	15.66	15.77	15.58				
20	64QAM	100	0	15.53	15.67	15.69	16.5	0		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	15.44	15.73	15.52	16.5	0		
15	QPSK	1	37	15.60	15.71	15.57				
15	QPSK	1	74	15.58	15.62	15.51				
15	QPSK	36	0	15.65	15.73	15.66				
15	QPSK	36	20	15.55	15.66	15.68	16.5	0		
15	QPSK	36	39	15.57	15.62	15.57				
15	QPSK	75	0	15.58	15.66	15.44				
15	16QAM	1	0	15.55	15.67	15.65				
15	16QAM	1	37	15.67	15.85	15.65	16.5	0		
15	16QAM	1	74	15.74	15.78	15.72				
15	16QAM	36	0	15.56	15.53	15.64				
15	16QAM	36	20	15.65	15.77	15.59				
15	16QAM	36	39	15.52	15.61	15.59	16.5	0		
15	16QAM	75	0	15.53	15.51	15.56				
15	64QAM	1	0	15.81	15.83	15.60				
15	64QAM	1	37	15.77	15.67	15.67				
15	64QAM	1	74	15.83	15.59	15.50	16.5	0		
15	64QAM	36	0	15.50	15.49	15.61				
15	64QAM	36	20	15.53	15.50	15.44				
15	64QAM	36	39	15.68	15.72	15.52				
15	64QAM	75	0	15.58	15.53	15.61	16.5	0		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	15.68	15.72	15.67	16.5	0		
10	QPSK	1	25	15.68	15.76	15.55				
10	QPSK	1	49	15.61	15.56	15.53				
10	QPSK	25	0	15.64	15.67	15.67				
10	QPSK	25	12	15.61	15.65	15.63	16.5	0		
10	QPSK	25	25	15.61	15.66	15.53				
10	QPSK	50	0	15.59	15.60	15.53				
10	16QAM	1	0	15.59	15.76	15.65				
10	16QAM	1	25	15.72	15.81	15.73	16.5	0		
10	16QAM	1	49	15.72	15.75	15.79				
10	16QAM	25	0	15.54	15.66	15.66				
10	16QAM	25	12	15.67	15.68	15.61				
10	16QAM	25	25	15.55	15.70	15.67	16.5	0		
10	16QAM	50	0	15.55	15.63	15.57				
10	64QAM	1	0	15.76	15.82	15.65				
10	64QAM	1	25	15.71	15.63	15.75				
10	64QAM	1	49	15.81	15.64	15.40	16.5	0		
10	64QAM	25	0	15.53	15.58	15.67				
10	64QAM	25	12	15.63	15.72	15.41				
10	64QAM	25	25	15.61	15.58	15.54				
10	64QAM	50	0	15.55	15.45	15.60	16.5	0		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	15.55	15.68	15.75	16.5	0		
5	QPSK	1	12	15.56	15.71	15.61				
5	QPSK	1	24	15.63	15.60	15.53				
5	QPSK	12	0	15.56	15.70	15.75				
5	QPSK	12	7	15.64	15.64	15.69	16.5	0		
5	QPSK	12	13	15.63	15.68	15.61				
5	QPSK	25	0	15.49	15.65	15.50				
5	16QAM	1	0	15.57	15.63	15.57				
5	16QAM	1	12	15.70	15.72	15.76	16.5	0		
5	16QAM	1	24	15.68	15.72	15.76				
5	16QAM	12	0	15.62	15.56	15.59				
5	16QAM	12	7	15.73	15.73	15.63				
5	16QAM	12	13	15.52	15.70	15.64	16.5	0		
5	16QAM	25	0	15.50	15.60	15.63				
5	64QAM	1	0	15.70	15.67	15.66				
5	64QAM	1	12	15.72	15.85	15.56				
5	64QAM	1	24	15.68	15.85	15.52	16.5	0		
5	64QAM	12	0	15.45	15.86	15.47				
5	64QAM	12	7	15.64	15.72	15.50				
5	64QAM	12	13	15.44	15.68	15.59				
5	64QAM	25	0	15.52	15.47	15.44	16.5	0		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	15.60	15.76	15.64	16.5	0		
3	QPSK	1	8	15.68	15.70	15.62				
3	QPSK	1	14	15.52	15.69	15.61				
3	QPSK	8	0	15.61	15.66	15.73				
3	QPSK	8	4	15.61	15.66	15.62	16.5	0		
3	QPSK	8	7	15.59	15.70	15.50				
3	QPSK	15	0	15.50	15.59	15.47				
3	16QAM	1	0	15.58	15.74	15.63				
3	16QAM	1	8	15.72	15.73	15.65	16.5	0		
3	16QAM	1	14	15.69	15.80	15.76				
3	16QAM	8	0	15.52	15.57	15.62				
3	16QAM	8	4	15.71	15.70	15.54				
3	16QAM	8	7	15.61	15.68	15.70	16.5	0		
3	16QAM	15	0	15.46	15.62	15.63				
3	64QAM	1	0	15.62	15.81	15.54				
3	64QAM	1	8	15.70	15.70	15.73				
3	64QAM	1	14	15.48	15.71	15.40	16.5	0		
3	64QAM	8	0	15.55	15.66	15.57				
3	64QAM	8	4	15.44	15.78	15.41				
3	64QAM	8	7	15.46	15.68	15.43	16.5	0		
3	64QAM	15	0	15.56	15.48	15.68				
3	64QAM	15	0	15.56	15.48	15.68				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	15.49	15.77	15.58	16.5	0		
1.4	QPSK	1	3	15.60	15.69	15.54				
1.4	QPSK	1	5	15.59	15.62	15.51				
1.4	QPSK	3	0	15.56	15.59	15.51				
1.4	QPSK	3	1	15.62	15.52	15.66	16.5	0		
1.4	QPSK	3	3	15.63	15.71	15.60				
1.4	QPSK	6	0	15.59	15.64	15.57				
1.4	16QAM	1	0	15.61	15.71	15.60				
1.4	16QAM	1	3	15.71	15.79	15.73	16.5	0		
1.4	16QAM	1	5	15.67	15.72	15.68				
1.4	16QAM	3	0	15.60	15.65	15.60				
1.4	16QAM	3	1	15.74	15.73	15.64				
1.4	16QAM	3	3	15.62	15.67	15.60	16.5	0		
1.4	16QAM	6	0	15.49	15.65	15.54				
1.4	64QAM	1	0	15.74	15.54	15.64				
1.4	64QAM	1	3	15.54	15.81	15.83				
1.4	64QAM	1	5	15.53	15.53	15.53	16.5	0		
1.4	64QAM	3	0	15.44	15.52	15.53				
1.4	64QAM	3	1	15.43	15.73	15.32				
1.4	64QAM	3	3	15.49	15.73	15.32				
1.4	64QAM	6	0	15.50	15.47	15.64	16.5	0		

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											
Frequency (MHz)				20050	20175	20300					
20	QPSK	1	0	21.14	21.34	21.19	22.1	0			
20	QPSK	1	49	21.04	21.20	20.97					
20	QPSK	1	99	20.87	20.99	20.85					
20	QPSK	50	0	21.13	21.24	21.11					
20	QPSK	50	24	21.03	21.23	21.09	22.1	0			
20	QPSK	50	50	21.04	21.19	21.05					
20	QPSK	100	0	21.10	21.20	21.12					
20	16QAM	1	0	21.11	21.28	21.16					
20	16QAM	1	49	21.11	21.33	21.19	22.1	0			
20	16QAM	1	99	21.17	21.31	21.15					
20	16QAM	50	0	21.12	21.20	21.07					
20	16QAM	50	24	21.11	21.24	21.07					
20	16QAM	50	50	21.09	21.20	21.03	22.1	0			
20	16QAM	100	0	21.02	21.16	20.99					
20	64QAM	1	0	21.18	21.26	21.14					
20	64QAM	1	49	21.17	21.31	21.17					
20	64QAM	1	99	20.99	21.18	20.98	22.1	0			
20	64QAM	50	0	21.09	21.22	21.07					
20	64QAM	50	24	21.03	21.25	21.09					
20	64QAM	50	50	21.08	21.19	21.09					
20	64QAM	100	0	21.05	21.17	20.99					
Channel											
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	21.10	21.24	21.14	22.1	0			
15	QPSK	1	37	20.96	21.17	20.86					
15	QPSK	1	74	20.93	20.93	20.73					
15	QPSK	36	0	21.07	21.21	20.99					
15	QPSK	36	20	20.97	21.16	21.05	22.1	0			
15	QPSK	36	39	20.98	21.13	21.04					
15	QPSK	75	0	20.99	21.12	21.04					
15	16QAM	1	0	21.03	21.23	21.04					
15	16QAM	1	37	21.00	21.21	21.12	22.1	0			
15	16QAM	1	74	21.06	21.23	21.07					
15	16QAM	36	0	21.04	21.09	21.00					
15	16QAM	36	20	21.06	21.21	20.96					
15	16QAM	36	39	20.97	21.13	21.00	22.1	0			
15	16QAM	75	0	20.90	21.13	20.96					
15	64QAM	1	0	21.15	21.22	21.10					
15	64QAM	1	37	21.06	21.27	21.14					
15	64QAM	1	74	20.93	21.10	20.91	22.1			0	
15	64QAM	36	0	21.06	21.14	21.03					
15	64QAM	36	20	21.00	21.14	21.03					
15	64QAM	36	39	20.96	21.16	20.88					
15	64QAM	75	0	20.96	21.08	20.98					
Channel											
Frequency (MHz)				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	21.07	21.25	21.09	22.1	0			
10	QPSK	1	25	21.00	21.15	20.88					
10	QPSK	1	49	20.75	20.92	20.74					
10	QPSK	25	0	21.07	21.18	21.02					
10	QPSK	25	12	20.91	21.15	20.99	22.1	0			
10	QPSK	25	25	21.01	21.14	20.94					
10	QPSK	50	0	21.02	21.14	21.04					
10	16QAM	1	0	21.05	21.17	21.10					
10	16QAM	1	25	20.99	21.30	21.07	22.1	0			
10	16QAM	1	49	21.13	21.26	21.06					
10	16QAM	25	0	21.03	21.09	21.00					
10	16QAM	25	12	21.00	21.21	20.98					
10	16QAM	25	25	21.00	21.16	20.96	22.1	0			
10	16QAM	50	0	20.96	21.13	20.90					
10	64QAM	1	0	21.10	21.19	21.06					
10	64QAM	1	25	21.14	21.28	21.13					
10	64QAM	1	49	20.92	21.15	20.95	22.1			0	
10	64QAM	25	0	21.05	21.14	21.02					
10	64QAM	25	12	20.93	21.13	21.04					
10	64QAM	25	25	20.96	21.15	21.03					
10	64QAM	50	0	21.02	21.13	21.00					
Channel											
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715.5	1732.5	1753.5					
5	QPSK	1	0	21.11	21.23	21.11	22.1	0			
5	QPSK	1	12	20.98	21.08	20.91					
5	QPSK	1	24	20.80	20.96	20.77					
5	QPSK	12	0	21.01	21.21	21.03					
5	QPSK	12	7	20.99	21.11	21.01	22.1	0			
5	QPSK	12	13	20.94	21.14	21.01					
5	QPSK	25	0	21.00	21.09	21.01					
5	16QAM	1	0	20.99	21.22	21.04					
5	16QAM	1	12	21.03	21.23	21.13	22.1	0			
5	16QAM	1	24	21.08	21.25	21.05					
5	16QAM	12	0	21.00	21.08	20.99					
5	16QAM	12	7	21.00	21.18	20.97					
5	16QAM	12	13	20.97	21.15	20.92	22.1	0			
5	16QAM	25	0	20.90	21.13	20.96					
5	64QAM	1	0	21.06	21.22	21.08					
5	64QAM	1	12	21.12	21.27	21.08					
5	64QAM	1	24	20.88	21.11	20.89	22.1	0			
5	64QAM	12	0	20.99	21.13	20.98					
5	64QAM	12	7	20.94	21.14	21.04					
5	64QAM	12	13	21.01	21.14	20.97					
5	64QAM	25	0	20.99	21.12	20.87					
Channel											
Frequency (MHz)				19950	20175	20393	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	21.08	21.28	21.16	22.1	0			
1.4	QPSK	1	3	20.98	21.08	20.92					
1.4	QPSK	1	5	20.81	20.94	20.79					
1.4	QPSK	3	0	21.04	21.17	21.04					
1.4	QPSK	3	1	20.99	21.12	21.04	22.1	0			
1.4	QPSK	3	3	20.89	21.07	21.02					
1.4	QPSK	6	0	21.05	21.08	21.02					
1.4	16QAM	1	0	21.08	21.24	21.05					
1.4	16QAM	1	3	21.05	21.22	21.14	22.1	0			
1.4	16QAM	1	5	21.08	21.21	21.05					
1.4	16QAM	3	0	21.05	21.14	21.00					
1.4	16QAM	3	1	21.00	21.12	20.96					
1.4	16QAM	3	3	20.98	21.10	20.98	22.1	0			
1.4	16QAM	6	0	20.98	21.09	20.95					
1.4	64QAM	1	0	21.09	21.17	21.11					
1.4	64QAM	1	3	21.07	21.26	21.08					
1.4	64QAM	1	5	20.89	21.15	20.90	22.1	0			
1.4	64QAM	3	0	21.06	21.17	21.02					
1.4	64QAM	3	1	21.00	21.16	21.01					
1.4	64QAM	3	3	21.01	21.16	21.03					
1.4	64QAM	6	0	20.99	21.08	20.94	22.1	0			

Band 7_Ant 1									
BW [MHz]	Modulatio n	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)				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.55	18.68	18.58	19	0	
20	QPSK	1	49	18.50	18.61	18.53			
20	QPSK	1	99	18.52	18.55	18.52			
20	QPSK	50	0	18.52	18.63	18.57	19	0	
20	QPSK	50	24	18.50	18.57	18.45			
20	QPSK	50	50	18.49	18.56	18.43			
20	QPSK	100	0	18.43	18.54	18.44	19	0	
20	16QAM	1	0	18.53	18.62	18.60			
20	16QAM	1	49	18.63	18.67	18.54			
20	16QAM	1	99	18.48	18.60	18.50	19	0	
20	16QAM	50	0	18.62	18.62	18.54			
20	16QAM	50	24	18.50	18.57	18.46			
20	16QAM	50	50	18.50	18.58	18.47	19	0	
20	16QAM	100	0	18.57	18.59	18.51			
20	64QAM	1	0	18.52	18.56	18.56			
20	64QAM	1	49	18.54	18.62	18.54	19	0	
20	64QAM	1	99	18.55	18.59	18.44			
20	64QAM	50	0	18.62	18.61	18.56			
20	64QAM	50	24	18.63	18.60	18.55	19	0	
20	64QAM	50	50	18.45	18.59	18.39			
20	64QAM	100	0	18.41	18.57	18.62			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.27	18.41	18.52	19	0	
15	QPSK	1	37	18.41	18.55	18.40			
15	QPSK	1	74	18.43	18.51	18.50			
15	QPSK	36	0	18.49	18.63	18.50	19	0	
15	QPSK	36	20	18.40	18.52	18.40			
15	QPSK	36	39	18.36	18.49	18.42			
15	QPSK	75	0	18.37	18.41	18.40	19	0	
15	16QAM	1	0	18.47	18.59	18.55			
15	16QAM	1	37	18.61	18.60	18.44			
15	16QAM	1	74	18.43	18.54	18.44	19	0	
15	16QAM	36	0	18.56	18.54	18.46			
15	16QAM	36	20	18.48	18.50	18.36			
15	16QAM	36	39	18.44	18.58	18.37	19	0	
15	16QAM	75	0	18.50	18.56	18.44			
15	64QAM	1	0	18.51	18.40	18.32			
15	64QAM	1	37	18.26	18.35	18.23	19	0	
15	64QAM	1	74	18.31	18.45	18.20			
15	64QAM	36	0	18.36	18.67	18.67			
15	64QAM	36	20	18.56	18.44	18.61	19	0	
15	64QAM	36	39	18.37	18.40	18.40			
15	64QAM	75	0	18.26	18.38	18.44			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2525	2535	2565			
10	QPSK	1	0	18.55	18.50	18.52	19	0	
10	QPSK	1	25	18.44	18.55	18.52			
10	QPSK	1	49	18.48	18.44	18.46			
10	QPSK	25	0	18.51	18.61	18.47	19	0	
10	QPSK	25	12	18.47	18.55	18.36			
10	QPSK	25	25	18.38	18.53	18.31			
10	QPSK	50	0	18.41	18.41	18.31	19	0	
10	16QAM	1	0	18.41	18.55	18.33			
10	16QAM	1	25	18.58	18.58	18.41			
10	16QAM	1	49	18.35	18.47	18.40	19	0	
10	16QAM	25	0	18.49	18.60	18.53			
10	16QAM	25	12	18.43	18.52	18.33			
10	16QAM	25	25	18.50	18.58	18.47	19	0	
10	16QAM	50	0	18.48	18.49	18.48			
10	64QAM	1	0	18.44	18.40	18.58			
10	64QAM	1	25	18.46	18.63	18.53	19	0	
10	64QAM	1	49	18.60	18.49	18.48			
10	64QAM	25	0	18.43	18.37	18.43			
10	64QAM	25	12	18.44	18.39	18.59	19	0	
10	64QAM	25	25	18.25	18.55	18.40			
10	64QAM	50	0	18.18	18.62	18.57			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.34	18.45	18.40	19	0	
5	QPSK	1	12	18.32	18.49	18.51			
5	QPSK	1	24	18.52	18.51	18.40			
5	QPSK	12	0	18.45	18.53	18.52	19	0	
5	QPSK	12	7	18.37	18.45	18.40			
5	QPSK	12	13	18.46	18.56	18.31			
5	QPSK	25	0	18.38	18.42	18.36	19	0	
5	16QAM	1	0	18.45	18.52	18.48			
5	16QAM	1	12	18.54	18.65	18.51			
5	16QAM	1	24	18.43	18.57	18.40	19	0	
5	16QAM	12	0	18.50	18.62	18.46			
5	16QAM	12	7	18.42	18.53	18.34			
5	16QAM	12	13	18.49	18.52	18.34	19	0	
5	16QAM	25	0	18.48	18.49	18.51			
5	64QAM	1	0	18.38	18.35	18.31			
5	64QAM	1	12	18.46	18.49	18.34	19	0	
5	64QAM	1	24	18.63	18.48	18.42			
5	64QAM	12	0	18.57	18.58	18.50			
5	64QAM	12	13	18.29	18.48	18.34	19		
5	64QAM	25	0	18.27	18.55	18.38			

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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	18.01	18.11	18.03	19	0			
20	QPSK	1	49	17.90	17.98	17.96					
20	QPSK	1	99	17.98	17.95	17.85					
20	QPSK	50	0	17.99	18.08	18.03	19	0			
20	QPSK	50	24	17.86	17.95	17.91					
20	QPSK	50	50	17.98	18.05	17.95					
20	QPSK	100	0	17.97	17.98	17.95	19	0			
20	16QAM	1	0	17.98	17.97	17.94					
20	16QAM	1	49	17.84	18.05	17.99					
20	16QAM	1	99	17.89	18.08	17.94	19	0			
20	16QAM	50	0	17.91	18.05	18.02					
20	16QAM	50	24	17.91	18.02	18.03					
20	16QAM	50	50	17.84	18.08	17.94	19	0			
20	16QAM	100	0	17.96	18.01	18.01					
20	64QAM	1	0	17.97	18.02	17.93					
20	64QAM	1	49	17.97	18.00	17.92	19	0			
20	64QAM	1	99	18.00	17.98	17.90					
20	64QAM	50	0	17.87	18.03	17.93					
20	64QAM	50	24	17.86	17.95	17.90	19	0			
20	64QAM	50	50	17.92	17.99	17.98					
20	64QAM	100	0	17.96	18.01	17.95					
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	17.92	17.96	18.00	19	0			
15	QPSK	1	37	17.82	17.87	17.87					
15	QPSK	1	74	17.93	17.90	17.80					
15	QPSK	36	0	17.82	17.94	17.99	19	0			
15	QPSK	36	20	17.96	18.05	17.94					
15	QPSK	36	39	17.97	17.93	17.83					
15	QPSK	75	0	17.94	17.91	17.93	19	0			
15	16QAM	1	0	17.97	17.91	17.86					
15	16QAM	1	37	17.80	18.01	17.89					
15	16QAM	1	74	17.78	17.90	17.80	19	0			
15	16QAM	36	0	17.79	18.00	17.97					
15	16QAM	36	20	17.87	18.00	17.99					
15	16QAM	36	39	17.71	17.98	17.81	19	0			
15	16QAM	75	0	17.70	17.85	17.73					
15	64QAM	1	0	18.04	18.01	17.78					
15	64QAM	1	37	17.70	17.82	17.75	19	0			
15	64QAM	1	74	17.88	17.79	17.84					
15	64QAM	36	0	17.87	17.84	17.81					
15	64QAM	36	20	17.80	17.78	17.89	19	0			
15	64QAM	36	39	17.77	17.98	17.89					
15	64QAM	75	0	17.99	18.08	17.87					
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	17.85	17.96	18.01	19	0			
10	QPSK	1	25	17.87	17.89	17.86					
10	QPSK	1	49	17.84	17.86	17.77					
10	QPSK	25	0	17.87	17.92	17.94	19	0			
10	QPSK	25	12	17.88	18.01	17.93					
10	QPSK	25	25	17.98	17.97	17.87					
10	QPSK	50	0	17.84	17.98	17.83	19	0			
10	16QAM	1	0	17.97	17.88	17.81					
10	16QAM	1	25	17.83	18.05	17.99					
10	16QAM	1	49	17.85	18.06	17.88	19	0			
10	16QAM	25	0	17.87	17.95	17.94					
10	16QAM	25	12	17.86	17.93	17.93					
10	16QAM	25	25	17.73	18.07	17.84	19	0			
10	16QAM	50	0	17.95	17.98	18.05					
10	64QAM	1	0	17.70	17.74	17.83					
10	64QAM	1	25	17.85	18.03	17.66	19	0			
10	64QAM	1	49	17.86	17.98	17.73					
10	64QAM	25	0	17.94	17.81	17.91					
10	64QAM	25	12	17.86	17.94	17.73	19	0			
10	64QAM	25	25	17.77	18.04	17.99					
10	64QAM	50	0	17.70	18.02	17.99					
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	17.89	17.98	17.92	19	0			
5	QPSK	1	12	17.89	17.89	17.93					
5	QPSK	1	24	17.93	17.90	17.75					
5	QPSK	12	0	17.86	17.87	17.96	19	0			
5	QPSK	12	7	17.86	18.01	17.94					
5	QPSK	12	13	17.96	18.00	17.91					
5	QPSK	25	0	17.91	17.93	17.82	19	0			
5	16QAM	1	0	17.87	17.86	17.88					
5	16QAM	1	12	17.73	17.99	17.95					
5	16QAM	1	24	17.80	18.06	17.88	19	0			
5	16QAM	12	0	17.70	17.94	17.83					
5	16QAM	12	7	17.80	17.97	18.01					
5	16QAM	12	13	17.74	18.02	17.91	19	0			
5	16QAM	25	0	17.96	17.82	18.03					
5	64QAM	1	0	17.90	18.10	17.97					
5	64QAM	1	12	17.74	17.91	17.83	19	0			
5	64QAM	1	24	17.99	17.80	17.78					
5	64QAM	12	0	17.82	17.82	17.86					
5	64QAM	12	7	17.66	17.80	17.72	19	0			
5	64QAM	12	13	17.72	18.02	17.96					
5	64QAM	25	0	17.70	17.98	18.03					
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	18.01	18.01	17.94	19	0			
3	QPSK	1	8	17.82	17.89	17.86					
3	QPSK	1	14	17.96	17.88	17.81					
3	QPSK	8	0	17.80	17.83	17.86	19	0			
3	QPSK	8	4	17.86	18.01	17.86					
3	QPSK	8	7	17.96	17.94	17.91					
3	QPSK	15	0	17.88	17.89	17.92	19	0			
3	16QAM	1	0	17.85	17.89	17.93					
3	16QAM	1	8	17.77	17.96	17.89					
3	16QAM	1	14	17.87	18.05	17.94	19	0			
3	16QAM	8	0	17.87	17.96	17.94					
3	16QAM	8	4	17.83	17.96	18.03	19	0			
3	16QAM	8	7	17.78	18.06	17.83					
3	16QAM	15	0	17.70	17.77	17.81					
3	64QAM	1	0	17.94	17.76	17.85	19	0			
3	64QAM	1	8	17.71	17.88	17.79					
3	64QAM	1	14	17.86	17.87	17.78					
3	64QAM	8	0	17.95	17.94	17.88	19	0			
3	64QAM	8	4	17.62	18.02	17.84					
3	64QAM	8	7	17.89	17.81	17.76					
3	64QAM	15	0	17.84	18.07	17.83	19	0			
3	64QAM	15	8	17.70	17.87	17.80					
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	17.97	17.95	17.90	19	0			
1.4	QPSK	1	3	17.85	17.89	17.94					
1.4	QPSK	1	5	17.94	17.95	17.77					
1.4	QPSK	3	0	17.81	17.80	17.80	19	0			
1.4	QPSK	3	3	17.91	18.03	17.96					
1.4	QPSK	3	3	17.98	17.93	17.82					
1.4	QPSK	6	0	17.87	17.95	17.86	19	0			
1.4	16QAM	1	0	17.98	17.92	17.81					
1.4	16QAM	1	3	17.81	18.01	17.98					
1.4	16QAM	1	5	17.82	18.07	17.87	19	0			
1.4	16QAM	3	0	17.86	17.87	17.93					
1.4	16QAM	3	3	17.88	17.90	17.80					
1.4	16QAM	6	0	17.78	17.99	17.77	19	0			
1.4	64QAM	1	0	17.74	17.80	17.75					
1.4	64QAM	1	3	17.92	17.73	17.97					
1.4	64QAM	1	5	17.92	17.75	17.96	19	0			
1.4	64QAM	3	0	17.84	17.87	17.80					
1.4	64QAM	3	3	17.91	18.00	17.81					
1.4	64QAM	6	0	17.89	17.89	17.70	19	0			
1.4	64QAM	6	3	17.89	17.99	18.06					

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									
Frequency (MHz)				20050	20175	20300			
				1720	1732.5	1745			
20	QPSK	1	0	24.54	24.69	24.58	25.6	0	
20	QPSK	1	49	24.53	24.62	24.53			
20	QPSK	1	99	24.45	24.54	24.49			
20	QPSK	50	0	23.54	23.69	23.61	24.6	1	
20	QPSK	50	24	23.51	23.61	23.53			
20	QPSK	50	50	23.45	23.57	23.42			
20	QPSK	100	0	23.53	23.60	23.55	24.6	1	
20	16QAM	1	0	23.57	23.65	23.61			
20	16QAM	1	49	23.43	23.47	23.43			
20	16QAM	1	99	23.42	23.48	23.54	23.6	2	
20	16QAM	50	0	22.50	22.52	22.43			
20	16QAM	50	24	22.35	22.32	22.33			
20	16QAM	50	50	22.35	22.32	22.33	23.6	2	
20	16QAM	100	0	22.52	22.57	22.55			
20	84QAM	1	0	22.48	22.56	22.51			
20	84QAM	1	49	22.57	22.34	22.38	22.6	3	
20	84QAM	1	99	22.51	22.48	22.52			
20	84QAM	50	0	21.41	21.48	21.54			
20	84QAM	50	24	21.30	21.31	21.23	22.6	3	
20	84QAM	50	50	21.32	21.23	21.28			
20	84QAM	100	0	21.52	21.55	21.47			
Channel									
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1732.5	1747.5			
15	QPSK	1	0	24.45	24.54	24.43	25.6	0	
15	QPSK	1	37	24.47	24.59	24.39			
15	QPSK	1	74	24.37	24.50	24.42			
15	QPSK	36	0	23.39	23.61	23.53	24.6	1	
15	QPSK	36	20	23.45	23.48	23.48			
15	QPSK	36	39	23.30	23.47	23.37			
15	QPSK	75	0	23.50	23.52	23.43	24.6	1	
15	16QAM	1	0	23.52	23.53	23.48			
15	16QAM	1	37	23.29	23.34	23.39			
15	16QAM	1	74	23.33	23.42	23.40	23.6	2	
15	16QAM	36	0	22.45	22.44	22.39			
15	16QAM	36	20	22.29	22.17	22.19			
15	16QAM	36	39	22.30	22.24	22.25	23.6	2	
15	16QAM	75	0	22.48	22.48	22.41			
15	84QAM	1	0	22.41	22.41	22.40			
15	84QAM	1	37	22.30	22.25	22.24	23.6	2	
15	84QAM	1	74	22.42	22.38	22.43			
15	84QAM	36	0	21.28	21.34	21.45			
15	84QAM	36	20	21.21	21.21	21.16	22.6	3	
15	84QAM	36	39	21.21	21.16	21.20			
15	84QAM	75	0	21.46	21.47	21.42			
Channel									
Frequency (MHz)				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
				1715	1732.5	1750			
10	QPSK	1	0	24.49	24.59	24.49	25.6	0	
10	QPSK	1	25	24.42	24.54	24.43			
10	QPSK	1	49	24.39	24.46	24.44			
10	QPSK	25	0	23.45	23.61	23.54	24.6	1	
10	QPSK	25	12	23.43	23.53	23.41			
10	QPSK	25	25	23.37	23.52	23.37			
10	QPSK	50	0	23.49	23.54	23.51	24.6	1	
10	16QAM	1	0	23.45	23.61	23.56			
10	16QAM	1	25	23.36	23.34	23.36			
10	16QAM	1	49	23.29	23.37	23.41	23.6	2	
10	16QAM	25	0	22.42	22.49	22.30			
10	16QAM	25	12	22.25	22.22	22.25			
10	16QAM	25	25	22.30	22.19	22.20	23.6	2	
10	16QAM	50	0	22.40	22.45	22.43			
10	84QAM	1	0	22.41	22.49	22.47			
10	84QAM	1	25	22.31	22.29	22.26	23.6	2	
10	84QAM	1	49	22.42	22.35	22.44			
10	84QAM	25	0	21.26	21.35	21.47			
10	84QAM	25	12	21.25	21.23	21.10	22.6	3	
10	84QAM	25	25	21.18	21.17	21.25			
10	84QAM	50	0	21.46	21.49	21.35			
Channel									
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
				1711.5	1732.5	1753.5			
5	QPSK	1	0	24.40	24.65	24.52	25.6	0	
5	QPSK	1	12	24.47	24.48	24.41			
5	QPSK	1	24	24.36	24.49	24.38			
5	QPSK	12	0	23.40	23.54	23.54	24.6	1	
5	QPSK	12	7	23.48	23.47	23.46			
5	QPSK	12	13	23.35	23.45	23.34			
5	QPSK	25	0	23.38	23.52	23.40	24.6	1	
5	16QAM	1	0	23.52	23.59	23.54			
5	16QAM	1	12	23.34	23.36	23.38			
5	16QAM	1	24	23.36	23.34	23.50	23.6	2	
5	16QAM	12	0	22.36	22.48	22.37			
5	16QAM	12	7	22.26	22.24	22.21			
5	16QAM	12	13	22.29	22.19	22.21	23.6	2	
5	16QAM	25	0	22.40	22.45	22.41			
5	84QAM	1	0	22.40	22.46	22.36			
5	84QAM	1	12	22.26	22.20	22.28	23.6	2	
5	84QAM	1	24	22.43	22.44	22.45			
5	84QAM	12	0	21.27	21.39	21.44			
5	84QAM	12	7	21.27	21.18	21.10	22.6	3	
5	84QAM	12	13	21.24	21.10	21.13			
5	84QAM	25	0	21.45	21.45	21.40			
Channel									
Frequency (MHz)				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
				1711.5	1732.5	1754.3			
3	QPSK	1	0	24.48	24.65	24.54	25.6	0	
3	QPSK	1	8	24.43	24.51	24.48			
3	QPSK	1	14	24.34	24.43	24.46			
3	QPSK	8	0	23.38	23.61	23.53	24.6	1	
3	QPSK	8	4	23.43	23.49	23.49			
3	QPSK	8	7	23.30	23.42	23.32			
3	QPSK	15	0	23.43	23.53	23.50	24.6	1	
3	16QAM	1	0	23.49	23.54	23.51			
3	16QAM	1	8	23.32	23.36	23.39			
3	16QAM	1	14	23.34	23.34	23.44	23.6	2	
3	16QAM	8	0	22.42	22.44	22.34			
3	16QAM	8	4	22.21	22.23	22.24			
3	16QAM	15	0	22.41	22.52	22.50	23.6	2	
3	84QAM	1	0	22.44	22.52	22.38			
3	84QAM	1	8	22.29	22.29	22.31			
3	84QAM	1	14	22.41	22.41	22.46	23.6	2	
3	84QAM	8	0	21.35	21.39	21.41			
3	84QAM	8	4	21.27	21.20	21.20			
3	84QAM	8	7	21.25	21.15	21.18	22.6	3	
3	84QAM	15	0	21.39	21.42	21.44			
Channel									
Frequency (MHz)				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	24.48	24.64	24.53	25.6	0	
1.4	QPSK	1	3	24.40	24.56	24.38			
1.4	QPSK	1	5	24.34	24.40	24.42			
1.4	QPSK	3	0	24.48	24.51	24.51	24.6	1	
1.4	QPSK	3	1	24.48	24.56	24.39			
1.4	QPSK	3	3	24.41	24.46	24.35			
1.4	QPSK	6	0	23.45	23.55	23.44	24.6	1	
1.4	16QAM	1	0	23.53	23.53	23.54			
1.4	16QAM	1	3	23.33	23.34	23.32			
1.4	16QAM	1	5	23.32	23.40	23.50	24.6	1	
1.4	16QAM	3	0	23.42	23.48	23.40			
1.4	16QAM	3	1	23.21	23.17	23.19			
1.4	16QAM	3	3	23.20	23.18	23.25	23.6	2	
1.4	16QAM	6	0	22.41	22.48	22.52			
1.4	84QAM	1	0	22.39	22.45	22.41			
1.4	84QAM	1	3	22.24	22.20	22.27	23.6	2	
1.4	84QAM	1	5	22.43	22.33	22.38			
1.4	84QAM	3	0	22.53	22.30	22.36			
1.4	84QAM	3	1	22.20	22.24	22.10	22.6	3	
1.4	84QAM	3	3	22.26	22.14	22.15			
1.4	84QAM	6	0	21.38	21.51	21.37			

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									
Frequency (MHz)				20850	21100	21350			
				2510	2535	2560			
20	QPSK	1	0	22.31	22.44	22.29	23	0	
20	QPSK	1	49	22.29	22.35	22.25			
20	QPSK	1	99	22.28	22.34	22.27			
20	QPSK	50	0	22.34	22.38	22.29	23	0	
20	QPSK	50	24	22.33	22.37	22.28			
20	QPSK	50	50	22.32	22.37	22.26			
20	QPSK	100	0	22.38	22.40	22.27			
20	16QAM	1	0	22.40	22.39	22.37			
20	16QAM	1	49	22.37	22.43	22.38	23	0	
20	16QAM	1	99	22.35	22.42	22.40			
20	16QAM	50	0	22.41	22.41	22.39			
20	16QAM	50	24	22.43	22.37	22.36	23	0	
20	16QAM	50	50	22.42	22.38	22.41			
20	16QAM	100	0	22.44	22.43	22.42			
20	64QAM	1	0	22.38	22.42	22.28	23	0	
20	64QAM	1	49	22.20	22.41	22.30			
20	64QAM	1	99	22.37	22.42	22.35			
20	64QAM	50	0	21.89	21.93	21.76	22.5	0.5	
20	64QAM	50	24	21.76	21.87	21.78			
20	64QAM	50	50	21.85	21.86	21.82			
20	64QAM	100	0	21.77	21.88	21.82			
Channel				20825 <th>21100</th> <th>21375</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2607.5 <th>2635<th>2662.5<th></th><th></th><th></th></th></th>	2635 <th>2662.5<th></th><th></th><th></th></th>	2662.5 <th></th> <th></th> <th></th>			
15	QPSK	1	0	22.15	22.40	22.25	23	0	
15	QPSK	1	37	22.24	22.38	22.25			
15	QPSK	1	74	22.30	22.35	22.28			
15	QPSK	36	0	22.26	22.31	22.25	23	0	
15	QPSK	36	20	22.25	22.41	22.31			
15	QPSK	36	39	22.28	22.37	22.26			
15	QPSK	75	0	22.41	22.42	22.35	23	0	
15	16QAM	1	0	22.39	22.40	22.38			
15	16QAM	1	37	22.38	22.38	22.31			
15	16QAM	1	74	22.28	22.39	22.40	23	0	
15	16QAM	36	0	22.33	22.36	22.33			
15	16QAM	36	20	22.27	22.31	22.35			
15	16QAM	36	39	22.37	22.39	22.42	23	0	
15	16QAM	75	0	22.45	22.41	22.42			
15	64QAM	1	0	22.27	22.40	22.38			
15	64QAM	1	37	22.00	22.24	22.42	23	0	
15	64QAM	1	74	22.02	22.24	22.40			
15	64QAM	36	0	21.82	21.91	21.71			
15	64QAM	36	20	21.78	21.69	21.87	22.5	0.5	
15	64QAM	36	39	21.93	21.92	21.91			
15	64QAM	75	0	21.89	21.84	21.74			
Channel				20800 <th>21100<th>21400</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21100 <th>21400</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21400	Tune-up limit (dBm)	MPR (dB)	
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			
10	QPSK	1	0	22.44	22.42	22.21	23	0	
10	QPSK	1	25	22.18	22.35	22.29			
10	QPSK	1	49	22.33	22.35	22.29			
10	QPSK	25	0	22.35	22.33	22.20	23	0	
10	QPSK	25	12	22.27	22.30	22.28			
10	QPSK	25	25	22.37	22.30	22.18			
10	QPSK	50	0	22.35	22.34	22.22	23	0	
10	16QAM	1	0	22.37	22.36	22.36			
10	16QAM	1	25	22.35	22.34	22.31			
10	16QAM	1	49	22.35	22.42	22.33	23	0	
10	16QAM	25	0	22.33	22.41	22.33			
10	16QAM	25	12	22.34	22.34	22.32			
10	16QAM	25	25	22.41	22.39	22.43	23	0	
10	16QAM	50	0	22.40	22.43	22.37			
10	64QAM	1	0	22.38	22.41	22.28			
10	64QAM	1	25	22.31	22.28	22.28	23	0	
10	64QAM	1	49	22.30	22.42	22.26			
10	64QAM	25	0	21.71	21.93	21.54			
10	64QAM	25	12	21.78	21.91	21.64	22.5	0.5	
10	64QAM	25	25	21.68	21.71	21.78			
10	64QAM	50	0	21.68	21.77	21.74			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5 <th>2535<th>2567.5<th></th><th></th><th></th></th></th>	2535 <th>2567.5<th></th><th></th><th></th></th>	2567.5 <th></th> <th></th> <th></th>			
5	QPSK	1	0	22.23	22.24	22.17	23	0	
5	QPSK	1	12	22.31	22.36	22.10			
5	QPSK	1	24	22.20	22.28	22.23			
5	QPSK	12	0	22.32	22.31	22.24	23	0	
5	QPSK	12	7	22.30	22.31	22.29			
5	QPSK	12	13	22.25	22.37	22.21			
5	QPSK	25	0	22.32	22.37	22.20	23	0	
5	16QAM	1	0	22.39	22.31	22.41			
5	16QAM	1	12	22.36	22.40	22.40			
5	QPSK	1	24	22.38	22.34	22.40	23	0	
5	16QAM	12	0	22.44	22.38	22.37			
5	16QAM	12	7	22.37	22.39	22.33			
5	16QAM	12	13	22.41	22.39	22.32	23	0	
5	16QAM	25	0	22.40	22.42	22.43			
5	64QAM	1	0	22.20	22.20	22.34			
5	64QAM	1	12	22.08	22.43	22.41	23	0	
5	64QAM	1	24	22.40	22.39	22.40			
5	64QAM	12	0	21.78	21.83	21.86			
5	64QAM	12	7	21.82	21.67	21.58	22.5	0.5	
5	64QAM	12	13	21.83	21.71	21.87			
5	64QAM	25	0	21.82	21.82	21.69			



DS1

Band 2_Ant 1										
BW [MHz]	Modulatio n	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)				1880	1880	1900				
20	QPSK	1	0	12.55	12.65	12.55	13.5	0		
20	QPSK	1	49	12.54	12.64	12.52				
20	QPSK	1	99	12.51	12.55	12.53				
20	QPSK	50	0	12.57	12.63	12.51				
20	QPSK	50	24	12.53	12.58	12.46	13.5	0		
20	QPSK	50	50	12.52	12.56	12.41				
20	QPSK	100	0	12.41	12.50	12.38				
20	16QAM	1	0	12.62	12.57	12.44				
20	16QAM	1	49	12.47	12.58	12.43	13.5	0		
20	16QAM	1	99	12.45	12.52	12.39				
20	16QAM	50	0	12.44	12.59	12.62				
20	16QAM	50	24	12.53	12.58	12.50				
20	16QAM	50	50	12.58	12.54	12.39	13.5	0		
20	16QAM	100	0	12.53	12.55	12.49				
20	64QAM	1	0	12.45	12.57	12.54				
20	64QAM	1	49	12.46	12.54	12.49				
20	64QAM	1	99	12.47	12.56	12.52	13.5	0		
20	64QAM	50	0	12.39	12.49	12.37				
20	64QAM	50	24	12.53	12.58	12.63				
20	64QAM	50	50	12.58	12.54	12.56				
20	64QAM	100	0	12.40	12.51	12.52				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	12.54	12.55	12.51	13.5	0		
15	QPSK	1	37	12.52	12.61	12.42				
15	QPSK	1	74	12.39	12.48	12.48				
15	QPSK	36	0	12.55	12.57	12.51				
15	QPSK	36	20	12.49	12.50	12.42	13.5	0		
15	QPSK	36	39	12.43	12.51	12.34				
15	QPSK	75	0	12.29	12.46	12.28				
15	16QAM	1	0	12.52	12.47	12.34				
15	16QAM	1	37	12.44	12.55	12.37	13.5	0		
15	16QAM	1	74	12.33	12.44	12.39				
15	16QAM	36	0	12.38	12.53	12.60				
15	16QAM	36	20	12.47	12.40	12.44				
15	16QAM	36	39	12.46	12.46	12.27	13.5	0		
15	16QAM	75	0	12.49	12.47	12.45				
15	64QAM	1	0	12.35	12.53	12.45				
15	64QAM	1	37	12.42	12.50	12.46				
15	64QAM	1	74	12.36	12.46	12.42	13.5	0		
15	64QAM	36	0	12.36	12.45	12.25				
15	64QAM	36	20	12.46	12.55	12.56				
15	64QAM	36	39	12.54	12.46	12.48				
15	64QAM	75	0	12.33	12.39	12.49				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	12.56	12.58	12.43	13.5	0		
10	QPSK	1	25	12.49	12.59	12.42				
10	QPSK	1	49	12.44	12.46	12.45				
10	QPSK	25	0	12.48	12.53	12.53				
10	QPSK	25	12	12.50	12.47	12.39	13.5	0		
10	QPSK	25	25	12.48	12.53	12.33				
10	QPSK	50	0	12.29	12.48	12.28				
10	16QAM	1	0	12.53	12.49	12.35				
10	16QAM	1	25	12.41	12.56	12.31	13.5	0		
10	16QAM	1	49	12.36	12.41	12.39				
10	16QAM	25	0	12.34	12.50	12.57				
10	16QAM	25	12	12.43	12.45	12.47				
10	16QAM	25	25	12.49	12.43	12.30	13.5	0		
10	16QAM	50	0	12.47	12.43	12.37				
10	64QAM	1	0	12.40	12.52	12.47				
10	64QAM	1	25	12.39	12.43	12.40				
10	64QAM	1	49	12.35	12.44	12.43	13.5	0		
10	64QAM	25	0	12.34	12.36	12.29				
10	64QAM	25	12	12.43	12.46	12.61				
10	64QAM	25	25	12.55	12.48	12.47				
10	64QAM	50	0	12.34	12.49	12.41				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	12.42	12.61	12.47	13.5	0		
5	QPSK	1	12	12.45	12.58	12.42				
5	QPSK	1	24	12.45	12.44	12.42				
5	QPSK	12	0	12.52	12.61	12.58				
5	QPSK	12	7	12.44	12.48	12.38	13.5	0		
5	QPSK	12	13	12.41	12.45	12.39				
5	QPSK	25	0	12.30	12.48	12.33				
5	16QAM	1	0	12.59	12.52	12.36				
5	16QAM	1	12	12.41	12.46	12.36	13.5	0		
5	16QAM	1	24	12.40	12.45	12.28				
5	16QAM	12	0	12.40	12.50	12.59				
5	16QAM	12	7	12.42	12.36	12.38				
5	16QAM	12	13	12.52	12.52	12.27	13.5	0		
5	16QAM	25	0	12.43	12.48	12.40				
5	64QAM	1	0	12.41	12.51	12.51				
5	64QAM	1	12	12.40	12.46	12.46				
5	64QAM	1	24	12.35	12.51	12.48	13.5	0		
5	64QAM	12	0	12.36	12.47	12.35				
5	64QAM	12	7	12.45	12.56	12.54				
5	64QAM	12	13	12.52	12.42	12.53				
5	64QAM	25	0	12.37	12.40	12.50				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	12.46	12.57	12.45	13.5	0		
3	QPSK	1	8	12.45	12.56	12.49				
3	QPSK	1	14	12.41	12.49	12.43				
3	QPSK	8	0	12.45	12.55	12.54				
3	QPSK	8	4	12.51	12.50	12.43	13.5	0		
3	QPSK	8	7	12.50	12.48	12.34				
3	QPSK	15	0	12.30	12.44	12.34				
3	16QAM	1	0	12.54	12.45	12.37				
3	16QAM	1	8	12.44	12.56	12.33	13.5	0		
3	16QAM	1	14	12.41	12.41	12.35				
3	16QAM	8	0	12.32	12.56	12.60				
3	16QAM	8	4	12.51	12.46	12.45				
3	16QAM	8	7	12.53	12.50	12.37	13.5	0		
3	16QAM	15	0	12.41	12.51	12.38				
3	64QAM	1	0	12.39	12.46	12.51				
3	64QAM	1	8	12.35	12.43	12.45				
3	64QAM	1	14	12.36	12.54	12.44	13.5	0		
3	64QAM	8	0	12.32	12.39	12.25				
3	64QAM	8	4	12.48	12.52	12.53				
3	64QAM	8	7	12.50	12.45	12.52				
3	64QAM	15	0	12.33	12.42	12.48				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	12.49	12.61	12.46	13.5	0		
1.4	QPSK	1	3	12.44	12.59	12.41				
1.4	QPSK	1	5	12.43	12.53	12.47				
1.4	QPSK	3	0	12.49	12.55	12.39				
1.4	QPSK	3	1	12.43	12.47	12.40	13.5	0		
1.4	QPSK	3	3	12.46	12.50	12.36				
1.4	QPSK	6	0	12.29	12.46	12.34				
1.4	16QAM	1	0	12.51	12.48	12.37				
1.4	16QAM	1	3	12.37	12.53	12.40	13.5	0		
1.4	16QAM	1	5	12.43	12.45	12.30				
1.4	16QAM	3	0	12.32	12.57	12.35				
1.4	16QAM	3	1	12.42	12.45	12.40	13.5	0		
1.4	16QAM	3	3	12.46	12.49	12.28				
1.4	16QAM	6	0	12.50	12.45	12.39				
1.4	16QAM	1	0	12.36	12.53	12.48				
1.4	64QAM	1	3	12.38	12.43	12.47	13.5	0		
1.4	64QAM	1	5	12.41	12.53	12.43				
1.4	64QAM	3	0	12.37	12.47	12.35				
1.4	64QAM	3	1	12.41	12.48	12.52				
1.4	64QAM	3	3	12.48	12.44	12.50	13.5	0		
1.4	64QAM	6	0	12.35	12.40	12.48				

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	18.66	18.76	18.87	19.6	0	
20	QPSK	1	49	18.63	18.70	18.80			
20	QPSK	1	99	18.44	18.50	18.43			
20	QPSK	50	0	18.61	18.71	18.81	19.6	0	
20	QPSK	50	24	18.63	18.73	18.85			
20	QPSK	50	50	18.59	18.69	18.82			
20	QPSK	100	0	18.60	18.69	18.80	19.6	0	
20	16QAM	1	0	18.57	18.67	18.59			
20	16QAM	1	49	18.60	18.64	18.57			
20	16QAM	1	99	18.71	18.75	18.67	19.6	0	
20	16QAM	50	0	18.58	18.70	18.58			
20	16QAM	50	24	18.63	18.75	18.64			
20	16QAM	50	50	18.59	18.68	18.64	19.6	0	
20	16QAM	100	0	18.59	18.67	18.56			
20	64QAM	1	0	18.66	18.71	18.65			
20	64QAM	1	49	18.71	18.74	18.65	19.6	0	
20	64QAM	1	99	18.58	18.63	18.56			
20	64QAM	50	0	18.57	18.67	18.58			
20	64QAM	50	24	18.66	18.71	18.68	19.6	0	
20	64QAM	50	50	18.57	18.66	18.57			
20	64QAM	100	0	18.65	18.68	18.64			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	18.57	18.67	18.64	19.6	0	
15	QPSK	1	37	18.55	18.63	18.50			
15	QPSK	1	74	18.36	18.46	18.36			
15	QPSK	36	0	18.56	18.67	18.58	19.6	0	
15	QPSK	36	20	18.54	18.67	18.58			
15	QPSK	36	39	18.49	18.63	18.59			
15	QPSK	75	0	18.56	18.58	18.48	19.6	0	
15	16QAM	1	0	18.49	18.63	18.49			
15	16QAM	1	37	18.52	18.56	18.51			
15	16QAM	1	74	18.65	18.71	18.56	19.6	0	
15	16QAM	36	0	18.50	18.67	18.50			
15	16QAM	36	20	18.54	18.65	18.52			
15	16QAM	36	39	18.54	18.58	18.58	19.6	0	
15	16QAM	75	0	18.55	18.64	18.51			
15	64QAM	1	0	18.54	18.61	18.57			
15	64QAM	1	37	18.67	18.62	18.54	19.6	0	
15	64QAM	1	74	18.51	18.57	18.45			
15	64QAM	36	0	18.52	18.59	18.54			
15	64QAM	36	20	18.63	18.59	18.65	19.6	0	
15	64QAM	36	39	18.52	18.62	18.45			
15	64QAM	75	0	18.62	18.61	18.53			
Channel				20000 <th>20175</th> <th>20350</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	18.61	18.68	18.61	19.6	0	
10	QPSK	1	25	18.60	18.58	18.50			
10	QPSK	1	49	18.40	18.38	18.32			
10	QPSK	25	0	18.56	18.66	18.58	19.6	0	
10	QPSK	25	12	18.54	18.66	18.62			
10	QPSK	25	25	18.50	18.58	18.55			
10	QPSK	50	0	18.51	18.57	18.54	19.6	0	
10	16QAM	1	0	18.49	18.63	18.55			
10	16QAM	1	25	18.55	18.61	18.50			
10	16QAM	1	49	18.62	18.69	18.62	19.6	0	
10	16QAM	25	0	18.53	18.64	18.51			
10	16QAM	25	12	18.51	18.67	18.56			
10	16QAM	25	25	18.55	18.57	18.53	19.6	0	
10	16QAM	50	0	18.48	18.59	18.52			
10	64QAM	1	0	18.58	18.66	18.61			
10	64QAM	1	25	18.65	18.69	18.57	19.6	0	
10	64QAM	1	49	18.48	18.54	18.47			
10	64QAM	25	0	18.47	18.61	18.48			
10	64QAM	25	12	18.61	18.60	18.57	19.6	0	
10	64QAM	25	25	18.52	18.61	18.52			
10	64QAM	50	0	18.53	18.56	18.57			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	18.56	18.69	18.62	19.6	0	
5	QPSK	1	12	18.51	18.62	18.51			
5	QPSK	1	24	18.33	18.38	18.31			
5	QPSK	12	0	18.54	18.61	18.57	19.6	0	
5	QPSK	12	7	18.55	18.61	18.56			
5	QPSK	12	13	18.47	18.64	18.58			
5	QPSK	25	0	18.53	18.63	18.53	19.6	0	
5	16QAM	1	0	18.52	18.55	18.54			
5	16QAM	1	12	18.48	18.58	18.51			
5	16QAM	1	24	18.41	18.66	18.64	19.6	0	
5	16QAM	12	0	18.47	18.59	18.55			
5	16QAM	12	7	18.53	18.71	18.52			
5	16QAM	12	13	18.48	18.59	18.60	19.6	0	
5	16QAM	25	0	18.56	18.63	18.48			
5	64QAM	1	0	18.60	18.68	18.57			
5	64QAM	1	12	18.62	18.69	18.61	19.6	0	
5	64QAM	1	24	18.55	18.52	18.53			
5	64QAM	12	0	18.53	18.59	18.51			
5	64QAM	12	7	18.59	18.61	18.63	19.6	0	
5	64QAM	12	13	18.51	18.60	18.49			
5	64QAM	25	0	18.58	18.61	18.54			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	18.59	18.65	18.57	19.6	0	
3	QPSK	1	8	18.55	18.59	18.49			
3	QPSK	1	14	18.32	18.38	18.36			
3	QPSK	8	0	18.58	18.68	18.56	19.6	0	
3	QPSK	8	4	18.53	18.61	18.56			
3	QPSK	8	7	18.56	18.66	18.58			
3	QPSK	15	0	18.50	18.61	18.53	19.6	0	
3	16QAM	1	0	18.53	18.55	18.48			
3	16QAM	1	8	18.54	18.60	18.45			
3	16QAM	1	14	18.66	18.66	18.64	19.6	0	
3	16QAM	8	0	18.55	18.63	18.50			
3	16QAM	8	4	18.58	18.63	18.59			
3	16QAM	8	7	18.55	18.60	18.61	19.6	0	
3	16QAM	15	0	18.52	18.63	18.44			
3	64QAM	1	0	18.60	18.63	18.61			
3	64QAM	1	8	18.66	18.71	18.57	19.6	0	
3	64QAM	1	14	18.53	18.56	18.50			
3	64QAM	8	0	18.57	18.67	18.52			
3	64QAM	8	4	18.61	18.62	18.65	19.6	0	
3	64QAM	8	7	18.52	18.60	18.50			
3	64QAM	15	0	18.61	18.58	18.55			
Channel				19967	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	18.55	18.73	18.58	19.6	0	
1.4	QPSK	1	3	18.59	18.58	18.50			
1.4	QPSK	1	5	18.35	18.41	18.34			
1.4	QPSK	3	0	18.58	18.67	18.52	19.6	0	
1.4	QPSK	3	1	18.55	18.65	18.56			
1.4	QPSK	3	3	18.49	18.58	18.50			
1.4	QPSK	6	0	18.53	18.64	18.48	19.6	0	
1.4	16QAM	1	0	18.48	18.61	18.55			
1.4	16QAM						19.6	0	
1.4	16QAM	1	3	18.52	18.56	18.48			
1.4	16QAM						19.6	0	
1.4	16QAM	1	5	18.65	18.72	18.64			
1.4	16QAM	1	3	18.54	18.59	18.46	19.6	0	
1.4	16QAM	3	1	18.56	18.68	18.55			
1.4	16QAM	3	3	18.49	18.63	18.57	19.6	0	
1.4	16QAM	6	0	18.52	18.63	18.48			
1.4	64QAM	1	0	18.57	18.65	18.54	19.6	0	
1.4	64QAM	1	3	18.61	18.63	18.60			
1.4	64QAM						19.6	0	
1.4	64QAM	1	5	18.53	18.60	18.47			
1.4	64QAM	1	3	18.47	18.56	18.52	19.6	0	
1.4	64QAM	3	1	18.56	18.68	18.57			
1.4	64QAM	3	3	18.53	18.56	18.52	19.6	0	
1.4	64QAM	6	0	18.54	18.56	18.61			



Default Power for EN-DC LTE

Band 2_Ant 1									
BW [MHz]	Modulatio n	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	23.61	23.68	23.63	24.5	0	
20	QPSK	1	49	23.50	23.58	23.56			
20	QPSK	1	99	23.58	23.55	23.45			
20	QPSK	50	0	22.55	22.69	22.59			
20	QPSK	50	24	22.39	22.54	22.49	23.5	1	
20	QPSK	50	50	22.52	22.53	22.38			
20	QPSK	100	0	22.38	22.52	22.42			
20	16QAM	1	0	22.59	22.62	22.62			
20	16QAM	1	49	22.56	22.61	22.60	23.5	1	
20	16QAM	1	99	22.60	22.60	22.54			
20	16QAM	50	0	21.46	21.55	21.45			
20	16QAM	50	24	21.55	21.64	21.61			
20	16QAM	50	50	21.44	21.46	21.33	22.5	2	
20	16QAM	100	0	21.43	21.52	21.52			
20	64QAM	1	0	21.45	21.57	21.48			
20	64QAM	1	49	21.61	21.62	21.50			
20	64QAM	1	99	21.39	21.53	21.48	22.5	2	
20	64QAM	50	0	20.49	20.55	20.52			
20	64QAM	50	24	20.61	20.71	20.66			
20	64QAM	50	50	20.54	20.54	20.46			
20	64QAM	100	0	20.52	20.51	20.42	21.5	3	
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.58	23.65	23.68	24.5	0	
15	QPSK	1	37	23.37	23.53	23.36			
15	QPSK	1	74	23.42	23.63	23.46			
15	QPSK	36	0	22.39	22.53	22.33			
15	QPSK	36	20	22.13	22.32	22.33	23.5	1	
15	QPSK	36	39	22.40	22.39	22.35			
15	QPSK	75	0	22.19	22.41	22.49			
15	16QAM	1	0	22.37	22.59	22.46			
15	16QAM	1	37	22.62	22.58	22.43	23.5	1	
15	16QAM	1	74	22.63	22.44	22.57			
15	16QAM	36	0	21.46	21.48	21.41			
15	16QAM	36	20	21.50	21.63	21.47			
15	16QAM	36	39	21.27	21.47	21.41	22.5	2	
15	16QAM	75	0	21.41	21.32	21.58			
15	64QAM	1	0	21.25	21.53	21.20			
15	64QAM	1	37	21.56	21.69	21.35			
15	64QAM	1	74	21.31	21.43	21.30	22.5	2	
15	64QAM	36	0	20.44	20.39	20.31			
15	64QAM	36	20	20.50	20.54	20.65			
15	64QAM	36	39	20.45	20.62	20.19			
15	64QAM	75	0	20.32	20.49	20.46	21.5	3	
Channel				18650	18900	19150			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.34	23.66	23.48	24.5	0	
10	QPSK	1	25	23.24	23.59	23.38			
10	QPSK	1	49	23.30	23.36	23.18			
10	QPSK	25	0	22.44	22.39	22.53			
10	QPSK	25	12	22.28	22.28	22.55	23.5	1	
10	QPSK	25	25	22.30	22.60	22.34			
10	QPSK	50	0	22.31	22.24	22.41			
10	16QAM	1	0	22.37	22.46	22.43			
10	16QAM	1	25	22.62	22.89	22.58	23.5	1	
10	16QAM	1	49	22.53	22.47	22.31			
10	16QAM	25	0	21.31	21.59	21.17			
10	16QAM	25	12	21.29	21.41	21.58			
10	16QAM	25	25	21.17	21.43	21.26	22.5	2	
10	16QAM	50	0	21.18	21.34	21.28			
10	64QAM	1	0	21.24	21.53	21.36			
10	64QAM	1	25	21.65	21.40	21.52			
10	64QAM	1	49	21.29	21.48	21.47	22.5	2	
10	64QAM	25	0	20.27	20.59	20.31			
10	64QAM	25	12	20.61	20.67	20.59			
10	64QAM	25	25	20.59	20.63	20.45			
10	64QAM	50	0	20.48	20.43	20.36	21.5	3	
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.61	23.61	23.53	24.5	0	
5	QPSK	1	12	23.45	23.41	23.48			
5	QPSK	1	24	23.50	23.51	23.43			
5	QPSK	12	0	22.58	22.49	22.46			
5	QPSK	12	7	22.42	22.48	22.22	23.5	1	
5	QPSK	12	13	22.39	22.44	22.26			
5	QPSK	25	0	22.10	22.55	22.16			
5	16QAM	1	0	22.48	22.40	22.61			
5	16QAM	1	12	22.60	22.45	22.36	23.5	1	
5	16QAM	1	24	22.61	22.54	22.50			
5	16QAM	12	0	21.50	21.38	21.41			
5	16QAM	12	7	21.63	21.51	21.33			
5	16QAM	12	13	21.36	21.40	21.14	22.5	2	
5	16QAM	25	0	21.34	21.54	21.40			
5	64QAM	1	0	21.35	21.54	21.23			
5	64QAM	1	12	21.66	21.36	21.49			
5	64QAM	1	24	21.38	21.30	21.47	22.5	2	
5	64QAM	12	0	20.56	20.45	20.48			
5	64QAM	12	7	20.34	20.53	20.63			
5	64QAM	12	13	20.50	20.53	20.20			
5	64QAM	25	0	20.28	20.32	20.24	21.5	3	
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	23.60	23.63	23.46	24.5	0	
3	QPSK	1	8	23.55	23.56	23.31			
3	QPSK	1	14	23.35	23.40	23.21			
3	QPSK	8	0	22.63	22.67	22.64			
3	QPSK	8	4	22.25	22.46	22.49	23.5	1	
3	QPSK	8	7	22.38	22.35	22.46			
3	QPSK	15	0	22.18	22.56	22.24			
3	16QAM	1	0	22.49	22.69	22.44			
3	16QAM	1	8	22.51	22.35	22.45	23.5	1	
3	16QAM	1	14	22.60	22.64	22.57			
3	16QAM	8	0	21.36	21.67	21.53			
3	16QAM	8	7	21.30	21.34	21.41			
3	16QAM	15	0	21.28	21.38	21.29	22.5	2	
3	64QAM	1	0	21.35	21.44	21.39			
3	64QAM	1	8	21.58	21.58	21.46			
3	64QAM	1	14	21.39	21.42	21.51			
3	64QAM	8	0	20.54	20.48	20.54	21.5	3	
3	64QAM	8	4	20.57	20.45	20.63			
3	64QAM	8	7	20.33	20.55	20.28			
3	64QAM	15	0	20.55	20.26	20.16			
Channel				18607	18900	19193			
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	23.47	23.54	23.61	24.5	0	
1.4	QPSK	1	3	23.50	23.44	23.43			
1.4	QPSK	1	5	23.34	23.40	23.43			
1.4	QPSK	3	0	22.35	22.31	22.30			
1.4	QPSK	3	1	23.14	23.51	23.29	23.5	1	
1.4	QPSK	3	3	22.42	23.40	23.15			
1.4	QPSK	6	0	22.22	22.31	22.50			
1.4	16QAM	1	0	22.32	22.45	22.42			
1.4	16QAM	1	3	22.35	22.46	22.59	23.5	1	
1.4	16QAM	1	5	22.39	22.40	22.48			
1.4	16QAM	3	0	22.28	22.44	22.11			
1.4	16QAM	3	1	22.17	22.35	22.33			
1.4	16QAM	3	3	22.18	22.23	22.11	22.5	2	
1.4	16QAM	6	0	21.19	21.50	21.36			
1.4	64QAM	1	0	21.46	21.34	21.30			
1.4	64QAM	1	3	21.60	21.45	21.32			
1.4	64QAM	1	5	21.36	21.43	21.50	22.5	2	
1.4	64QAM	3	0	21.46	21.46	21.24			
1.4	64QAM	3	1	21.31	21.46	21.43			
1.4	64QAM	3	3	21.46	21.29	21.38			
1.4	64QAM	6	0	20.26	20.47	20.41	21.5	3	

Band 5_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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.64	24.67	24.68	25.5	0	
10	QPSK	1	25	24.55	24.61	24.62			
10	QPSK	1	49	24.62	24.63	24.60			
10	QPSK	25	0	23.55	23.63	23.60	24.5	1	
10	QPSK	25	12	23.41	23.52	23.59			
10	QPSK	25	25	23.52	23.62	23.59			
10	QPSK	50	0	23.52	23.60	23.53	24.5	1	
10	16QAM	1	0	23.72	23.75	23.60			
10	16QAM	1	25	23.61	23.72	23.59			
10	16QAM	1	49	23.62	23.71	23.63	23.5	2	
10	16QAM	25	0	22.43	22.53	22.45			
10	16QAM	25	12	22.47	22.62	22.50			
10	16QAM	25	25	22.50	22.63	22.63	23.5	2	
10	16QAM	50	0	22.52	22.57	22.47			
10	64QAM	1	0	22.59	22.67	22.64			
10	64QAM	1	25	22.65	22.65	22.63	23.5	2	
10	64QAM	1	49	22.66	22.58	22.44			
10	64QAM	25	0	21.42	21.54	21.45			
10	64QAM	25	12	21.62	21.63	21.48	22.5	3	
10	64QAM	25	25	21.59	21.66	21.59			
10	64QAM	50	0	21.49	21.58	21.54			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.59	24.64	24.53	25.5	0	
5	QPSK	1	12	24.53	24.65	24.67			
5	QPSK	1	24	24.63	24.50	24.37			
5	QPSK	12	0	23.29	23.58	23.54	24.5	1	
5	QPSK	12	7	23.29	23.43	23.34			
5	QPSK	12	13	23.57	23.68	23.34			
5	QPSK	25	0	23.44	23.53	23.58	24.5	1	
5	16QAM	1	0	23.80	23.75	23.53			
5	16QAM	1	12	23.65	23.59	23.36			
5	16QAM	1	24	23.62	23.56	23.51	23.5	2	
5	16QAM	12	0	22.39	22.60	22.30			
5	16QAM	12	7	22.46	22.67	22.47			
5	16QAM	12	13	22.24	22.43	22.38	23.5	2	
5	16QAM	25	0	22.37	22.64	22.44			
5	64QAM	1	0	22.63	22.51	22.56			
5	64QAM	1	12	22.61	22.62	22.47	23.5	2	
5	64QAM	1	24	22.63	22.55	22.50			
5	64QAM	12	0	21.50	21.30	21.32			
5	64QAM	12	7	21.36	21.71	21.36	22.5	3	
5	64QAM	12	13	21.35	21.40	21.36			
5	64QAM	25	0	21.41	21.51	21.37			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.40	24.62	24.38	25.5	0	
3	QPSK	1	8	24.38	24.55	24.40			
3	QPSK	1	14	24.47	24.46	24.33			
3	QPSK	8	0	23.47	23.66	23.50	24.5	1	
3	QPSK	8	4	23.39	23.29	23.24			
3	QPSK	8	7	23.54	23.46	23.61			
3	QPSK	15	0	23.30	23.59	23.35	24.5	1	
3	16QAM	1	0	23.55	23.49	23.68			
3	16QAM	1	8	23.62	23.48	23.56			
3	16QAM	1	14	23.47	23.75	23.65	23.5	2	
3	16QAM	8	0	22.50	22.43	22.26			
3	16QAM	8	4	22.49	22.69	22.33			
3	16QAM	8	7	22.52	22.35	22.51	23.5	2	
3	16QAM	15	0	22.28	22.39	22.26			
3	64QAM	1	0	22.34	22.46	22.44			
3	64QAM	1	8	22.65	22.62	22.71	23.5	2	
3	64QAM	1	14	22.36	22.63	22.30			
3	64QAM	8	0	21.45	21.47	21.49			
3	64QAM	8	4	21.46	21.63	21.22	22.5	3	
3	64QAM	8	7	21.35	21.43	21.53			
3	64QAM	15	0	21.44	21.53	21.34			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.59	24.50	24.60	25.5	0	
1.4	QPSK	1	3	24.57	24.59	24.67			
1.4	QPSK	1	5	24.42	24.47	24.65			
1.4	QPSK	3	0	24.29	24.58	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.50	24.37			
1.4	QPSK	3	3	24.31	24.27	24.21			
1.4	QPSK	6	0	23.60	23.37	23.31	24.5	1	
1.4	16QAM	1	0	23.66	23.74	23.38			
1.4	16QAM	1	3	23.63	23.70	23.52			
1.4	16QAM	1	5	23.68	23.58	23.39	24.5	1	
1.4	16QAM	3	0	23.22	23.49	23.39			
1.4	16QAM	3	1	23.49	23.51	23.25			
1.4	16QAM	3	3	23.39	23.46	23.64	23.5	2	
1.4	16QAM	6	0	22.43	22.51	22.22			
1.4	64QAM	1	0	22.49	22.53	22.58			
1.4	64QAM	1	3	22.42	22.62	22.56	23.5	2	
1.4	64QAM	1	5	22.29	22.36	22.44			
1.4	64QAM	3	0	22.19	22.45	22.49			
1.4	64QAM	3	1	22.64	22.53	22.45	22.5	3	
1.4	64QAM	3	3	22.35	22.46	22.62			
1.4	64QAM	6	0	21.33	21.39	21.48	22.5	3	

Band 7_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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.50	23.54	23.45	25	0	
20	QPSK	1	49	23.40	23.42	23.30			
20	QPSK	1	99	23.42	23.42	23.30			
20	QPSK	50	0	22.62	22.63	22.57	24	1	
20	QPSK	50	24	22.21	22.31	22.26			
20	QPSK	50	50	22.34	22.46	22.43			
20	QPSK	100	0	22.45	22.54	22.41	24	1	
20	16QAM	1	0	22.40	22.40	22.27			
20	16QAM	1	49	22.40	22.47	22.39			
20	16QAM	1	99	22.19	22.33	22.25	23	2	
20	16QAM	50	0	21.44	21.45	21.41			
20	16QAM	50	24	21.38	21.50	21.41			
20	16QAM	50	50	21.36	21.46	21.37	23	2	
20	16QAM	100	0	21.50	21.55	21.40			
20	64QAM	1	0	21.26	21.37	21.29			
20	64QAM	1	49	21.48	21.48	21.33	23	2	
20	64QAM	1	99	21.35	21.43	21.31			
20	64QAM	50	0	20.49	20.63	20.53			
20	64QAM	50	24	20.38	20.47	20.34	22	3	
20	64QAM	50	50	20.38	20.49	20.48			
20	64QAM	100	0	20.35	20.44	20.44			
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.39	23.51	23.50	25	0	
15	QPSK	1	37	23.44	23.43	23.25			
15	QPSK	1	74	23.36	23.17	23.02			
15	QPSK	36	0	22.45	22.49	22.29	24	1	
15	QPSK	36	20	22.29	22.22	22.30			
15	QPSK	36	39	22.21	22.18	22.25			
15	QPSK	75	0	22.17	22.40	22.21	24	1	
15	16QAM	1	0	22.27	22.17	22.29			
15	16QAM	1	37	22.26	22.24	22.17			
15	16QAM	1	74	22.03	22.21	22.04	23	2	
15	16QAM	36	0	21.22	21.36	21.36			
15	16QAM	36	20	21.18	21.50	21.26			
15	16QAM	36	39	21.32	21.46	21.31	23	2	
15	16QAM	75	0	21.26	21.63	21.44			
15	64QAM	1	0	21.29	21.17	21.10			
15	64QAM	1	37	21.55	21.40	21.40	23	2	
15	64QAM	1	74	21.40	21.49	21.22			
15	64QAM	36	0	20.22	20.46	20.34			
15	64QAM	36	20	20.12	20.48	20.39	22	3	
15	64QAM	36	39	20.26	20.30	20.35			
15	64QAM	75	0	20.10	20.25	20.38			
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				25050	25350	25650			
10	QPSK	1	0	23.45	23.29	23.21	25	0	
10	QPSK	1	25	23.44	23.44	23.24			
10	QPSK	1	49	23.39	23.29	23.21			
10	QPSK	25	0	22.37	22.64	22.49	24	1	
10	QPSK	25	12	22.04	22.26	22.02			
10	QPSK	25	25	22.29	22.52	22.48			
10	QPSK	50	0	22.51	22.41	22.36	24	1	
10	16QAM	1	0	22.16	22.23	22.27			
10	16QAM	1	25	22.36	22.35	22.32			
10	16QAM	1	49	22.03	22.13	22.07	23	2	
10	16QAM	25	0	21.23	21.38	21.21			
10	16QAM	25	12	21.37	21.30	21.49			
10	16QAM	25	25	21.29	21.47	21.31	23	2	
10	16QAM	50	0	21.29	21.62	21.44			
10	64QAM	1	0	21.13	21.13	21.07			
10	64QAM	1	25	21.38	21.31	21.40	23	2	
10	64QAM	1	49	21.43	21.49	21.07			
10	64QAM	25	0	20.51	20.49	20.30			
10	64QAM	25	12	20.15	20.39	20.23	22	3	
10	64QAM	25	25	20.29	20.21	20.26			
10	64QAM	50	0	20.29	20.19	20.18			
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				25025.5	2535	2567.5			
5	QPSK	1	0	23.29	23.29	23.20	25	0	
5	QPSK	1	12	23.21	23.48	23.37			
5	QPSK	1	24	23.36	23.31	23.09			
5	QPSK	12	0	22.56	22.69	22.48	24	1	
5	QPSK	12	7	22.10	22.09	22.08			
5	QPSK	12	13	22.36	22.26	22.26			
5	QPSK	25	0	22.35	22.52	22.25	24	1	
5	16QAM	1	0	22.48	22.24	22.13			
5	16QAM	1	12	22.28	22.40	22.43			
5	16QAM	1	24	22.03	22.37	22.09	23	2	
5	16QAM	12	0	21.40	21.36	21.43			
5	16QAM	12	7	21.14	21.32	21.39			
5	16QAM	12	13	21.26	21.20	21.18	23	2	
5	16QAM	25	0	21.46	21.27	21.45			
5	64QAM	1	0	21.14	21.11	21.33			
5	64QAM	1	12	21.46	21.43	21.11	23	2	
5	64QAM	1	24	21.27	21.25	21.38			
5	64QAM	12	0	20.44	20.63	20.57			
5	64QAM	12	7	20.24	20.25	20.14	22	3	
5	64QAM	12	13	20.40	20.45	20.44			
5	64QAM	25	0	20.42	20.46	20.19			

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	24.68	24.71	24.66	25.5	0		
20	QPSK	1	49	24.62	24.70	24.65				
20	QPSK	1	99	24.60	24.68	24.62				
20	QPSK	50	0	23.86	23.90	23.82				
20	QPSK	50	24	23.66	23.81	23.81	24.5	1		
20	QPSK	50	50	23.80	23.84	23.76				
20	QPSK	100	0	23.73	23.86	23.81				
20	16QAM	1	0	23.76	23.80	23.75				
20	16QAM	1	49	23.93	23.95	23.89	24.5	1		
20	16QAM	1	99	23.84	23.85	23.84				
20	16QAM	50	0	22.77	22.87	22.80				
20	16QAM	50	24	22.69	22.84	22.76				
20	16QAM	50	50	22.80	22.86	22.82	23.5	2		
20	16QAM	100	0	22.75	22.81	22.66				
20	64QAM	1	0	22.65	22.77	22.65				
20	64QAM	1	49	22.85	22.90	22.83				
20	64QAM	1	99	22.68	22.76	22.68	23.5	2		
20	64QAM	50	0	21.88	21.90	21.76				
20	64QAM	50	24	21.71	21.79	21.78				
20	64QAM	50	50	21.73	21.82	21.73				
20	64QAM	100	0	21.75	21.81	21.79	22.5	3		
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	24.61	24.68	24.48	25.5	0		
15	QPSK	1	37	24.38	24.67	24.66				
15	QPSK	1	74	24.41	24.65	24.43				
15	QPSK	36	0	23.71	23.83	23.81				
15	QPSK	36	20	23.59	23.70	23.89	24.5	1		
15	QPSK	36	39	23.54	23.83	23.84				
15	QPSK	75	0	23.48	23.73	23.83				
15	16QAM	1	0	23.63	23.59	23.71				
15	16QAM	1	37	23.80	23.99	23.88	24.5	1		
15	16QAM	1	74	23.92	23.58	23.87				
15	16QAM	36	0	22.55	22.65	22.60				
15	16QAM	36	20	22.72	22.78	22.52				
15	16QAM	36	39	22.64	22.94	22.82	23.5	2		
15	16QAM	75	0	22.53	22.55	22.57				
15	64QAM	1	0	22.38	22.80	22.50				
15	64QAM	1	37	22.84	22.72	22.76				
15	64QAM	1	74	22.63	22.55	22.43	23.5	2		
15	64QAM	36	0	21.86	21.71	21.59				
15	64QAM	36	20	21.47	21.80	21.84				
15	64QAM	36	39	21.78	21.86	21.53				
15	64QAM	75	0	21.81	21.84	21.59	22.5	3		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	24.49	24.54	24.40	25.5	0		
10	QPSK	1	25	24.57	24.65	24.47				
10	QPSK	1	49	24.59	24.63	24.56				
10	QPSK	25	0	23.66	23.78	23.79				
10	QPSK	25	12	23.48	23.66	23.81	24.5	1		
10	QPSK	25	25	23.72	23.75	23.73				
10	QPSK	50	0	23.62	23.93	23.56				
10	16QAM	1	0	23.50	23.73	23.78				
10	16QAM	1	25	23.71	23.91	23.73	24.5	1		
10	16QAM	1	49	23.75	23.68	23.76				
10	16QAM	25	0	22.51	22.84	22.55				
10	16QAM	25	12	22.67	22.84	22.59				
10	16QAM	25	25	22.87	22.79	22.62	23.5	2		
10	16QAM	50	0	22.77	22.71	22.70				
10	64QAM	1	0	22.68	22.79	22.55				
10	64QAM	1	25	22.89	22.78	22.83				
10	64QAM	1	49	22.73	22.55	22.72	23.5	2		
10	64QAM	25	0	21.93	21.91	21.59				
10	64QAM	25	12	21.54	21.78	21.74				
10	64QAM	25	25	21.80	21.60	21.51				
10	64QAM	50	0	21.78	21.88	21.79	22.5	3		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	24.40	24.66	24.38	25.5	0		
5	QPSK	1	12	24.38	24.66	24.63				
5	QPSK	1	24	24.39	24.48	24.70				
5	QPSK	12	0	23.69	23.84	23.62				
5	QPSK	12	7	23.53	23.63	23.71	24.5	1		
5	QPSK	12	13	23.77	23.65	23.69				
5	QPSK	25	0	23.75	23.70	23.54				
5	16QAM	1	0	23.49	23.83	23.75				
5	16QAM	1	12	23.77	23.83	23.75	24.5	1		
5	16QAM	1	24	23.70	23.58	23.91				
5	16QAM	12	0	22.60	22.95	22.76				
5	16QAM	12	7	22.68	22.60	22.77				
5	16QAM	12	13	22.53	22.87	22.69	23.5	2		
5	16QAM	25	0	22.67	22.61	22.74				
5	64QAM	1	0	22.42	22.74	22.68				
5	64QAM	1	12	22.74	22.64	22.55				
5	64QAM	1	24	22.70	22.69	22.73	23.5	2		
5	64QAM	12	0	21.74	21.70	21.53				
5	64QAM	12	7	21.68	21.84	21.71				
5	64QAM	12	13	21.50	21.84	21.68				
5	64QAM	25	0	21.52	21.75	21.66	22.5	3		
Channel				20700	21100	21500				
Frequency (MHz)				2500	2535	2570				
20	QPSK	1	0	23.70	23.75	23.69	25.5	0		
20	QPSK	1	49	23.58	23.69	23.58				
20	QPSK	1	99	23.81	23.62	23.50				
20	QPSK	50	0	22.58	22.73	22.54				
20	QPSK	50	24	22.56	22.66	22.63	24.5	1		
20	QPSK	50	50	22.55	22.62	22.61				
20	QPSK	100	0	22.54	22.61	22.56				
20	16QAM	1	0	22.70	22.70	22.55				
20	16QAM	1	49	22.65	22.65	22.59	24.5	1		
20	16QAM	1	99	21.66	21.84	21.61				
20	16QAM	50	0	21.82	21.82	21.57				
20	16QAM	50	24	21.51	21.66	21.62				
20	16QAM	50	50	21.56	21.61	21.60	23.5	2		
20	16QAM	100	0	21.72	21.77	21.63				
20	64QAM	1	0	21.58	21.73	21.63				
20	64QAM	1	49	21.61	21.71	21.58				
20	64QAM	1	99	21.66	21.84	21.61	23.5	2		
20	64QAM	50	0	20.85	20.70	20.56				
20	64QAM	50	24	20.82	20.67	20.58				
20	64QAM	50	50	20.55	20.70	20.61				
20	64QAM	100	0	20.52	20.63	20.59	22.5	3		
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.72	23.60	23.5	25.5	0		
15	QPSK	1	37	23.49	23.60	23.5				
15	QPSK	1	74	23.51	23.60	23.5				
15	QPSK	36	0	23.71	23.83	23.81				
15	QPSK	36	20	23.59	23.70	23.89	24.5	1		
15	QPSK	36	39	23.54	23.83	23.84				
15	QPSK	75	0	23.48	23.73	23.83				
15	16QAM	1	0	23.63	23.59	23.71				
15	16QAM	1	37	23.80	23.99	23.88	24.5	1		
15	16QAM	1	74	23.92	23.58	23.87				
15	16QAM	36	0	22.55	22.65	22.60				
15	16QAM	36	20	22.72	22.78	22.52				
15	16QAM	36	39	22.64	22.94	22.82	23.5	2		
15	16QAM	75	0	22.53	22.55	22.57				
15	64QAM	1	0	22.38	22.80	22.50				
15	64QAM	1	37	22.84	22.72	22.76				
15	64QAM	1	74	22.63	22.55	22.43	23.5	2		
15	64QAM	36	0	21.86	21.71	21.59				
15	64QAM	36	20	21.47	21.80	21.84				
15	64QAM	36	39	21.78	21.86	21.53				
15	64QAM	75	0	21.81	21.84	21.59	22.5	3		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	24.49	24.54	24.40	25.5	0		
10	QPSK	1	25	24.57	24.65	24.47				
10	QPSK	1	49	24.59	24.63	24.56				
10	QPSK	25	0	23.66	23.78	23.79				
10	QPSK	25	12	23.48	23.66	23.81	24.5	1		
10	QPSK	25	25	23.72	23.75	23.73				
10	QPSK	50	0	23.62	23.93	23.56				
10	16QAM	1	0	23.50	23.73	23.78				
10	16QAM	1	25	23.71	23.91	23.73	24.5	1		
10	16QAM	1	49	23.75	23.68	23.76				
10	16QAM	25	0	22.51	22.84	22.55				
10	16QAM	25	12	22.67	22.84	22.59				
10	16QAM	25	25	22.87	22.79	22.62	23.5	2		
10	16QAM	50	0	22.77	22.71	22.70				
10	64QAM	1	0	22.68	22.79	22.55				
10	64QAM	1	25	22.89	22.78	22.83				
10	64QAM	1	49	22.73	22.55	22.72	23.5	2		
10	64QAM	25	0	21.93	21.91	21.59				
10	64QAM	25	12	21.54	21.78	21.74				
10	64QAM	25	25	21.80	21.60	21.51				
10	64QAM	50	0	21.78	21.88	21.79	22.5	3		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	24.40	24.66	24.38	25.5	0		
5	QPSK	1	12	24.38	24.66	24.63				
5	QPSK	1	24	24.39	24.48	24.70				
5	QPSK	12	0	23.69	23.84	23.62				
5	QPSK	12	7	23.53	23.63	23.71	24.5	1		
5	QPSK	12	13	23.77	23.65	23.69				
5	QPSK	25	0	23.75	23.70	23.54				
5	16QAM	1	0	23.49	23.83	23.75				
5	16QAM	1	12	23.77	23.83	23.75	24.5	1		
5	16QAM	1	24	23.70	23.58	23.91				
5	16QAM	12	0	22.60	22.95	22.76				
5	16QAM	12	7	22.68	22.60	22.77				
5	16QAM	12	13	22.53	22.87	22.69	23.5	2		
5	16QAM	25	0	22.67	22.61	22.74				
5	64QAM	1	0	22.42	22.74	22.68				
5	64QAM	1	12	22.74	22.64	22.55				
5	64QAM	1	24	22.70	22.69	22.73	23.5	2		
5	64QAM	12	0	21.74	21.70	21.53				
5	64QAM	12	7	21.68	21.84</					

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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.46	24.51	24.45	25.5	0	
10	QPSK	1	25	24.40	24.41	24.43			
10	QPSK	1	49	24.33	24.35	24.35	24.5	1	
10	QPSK	25	0	23.43	23.53	23.46			
10	QPSK	25	12	23.33	23.37	23.33	24.5	1	
10	QPSK	25	25	23.31	23.42	23.37			
10	QPSK	50	0	23.42	23.50	23.37	24.5	1	
10	16QAM	1	0	23.52	23.60	23.54			
10	16QAM	1	25	23.57	23.58	23.46	24.5	1	
10	16QAM	1	49	23.52	23.61	23.47			
10	16QAM	25	0	22.46	22.55	22.44	23.5	2	
10	16QAM	25	12	22.41	22.41	22.28			
10	16QAM	25	25	22.41	22.43	22.31	23.5	2	
10	16QAM	50	0	22.40	22.49	22.42			
10	64QAM	1	0	22.35	22.48	22.34	23.5	2	
10	64QAM	1	25	22.52	22.56	22.55			
10	64QAM	1	49	22.40	22.41	22.41	22.5	3	
10	64QAM	25	0	21.51	21.56	21.43			
10	64QAM	25	12	21.29	21.42	21.29	22.5	3	
10	64QAM	25	25	21.30	21.40	21.40			
10	64QAM	50	0	21.31	21.46	21.34	Tune-up limit (dBm)	MPR (dB)	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.28	24.47	24.29			
5	QPSK	1	12	24.14	24.27	24.46			
5	QPSK	1	24	24.05	24.34	24.34	24.5	1	
5	QPSK	12	0	23.16	23.25	23.38			
5	QPSK	12	7	23.10	23.20	23.38	24.5	1	
5	QPSK	12	13	23.22	23.28	23.43			
5	QPSK	25	0	23.35	23.24	23.34	24.5	1	
5	16QAM	1	0	23.26	23.43	23.35			
5	16QAM	1	12	23.09	23.35	23.23	24.5	1	
5	16QAM	1	24	23.31	23.39	23.49			
5	16QAM	12	0	22.44	22.28	22.20	23.5	2	
5	16QAM	12	7	22.19	22.45	22.38			
5	16QAM	12	13	22.40	22.50	22.18	23.5	2	
5	16QAM	25	0	22.36	22.27	22.17			
5	64QAM	1	0	22.28	22.23	22.33	23.5	2	
5	64QAM	1	12	22.25	22.45	22.62			
5	64QAM	1	24	22.35	22.31	22.41	22.5	3	
5	64QAM	12	0	21.38	21.43	21.20			
5	64QAM	12	7	21.37	21.35	21.08	22.5	3	
5	64QAM	12	13	21.30	21.25	21.39			
5	64QAM	25	0	21.39	21.41	21.33	Tune-up limit (dBm)	MPR (dB)	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.48	24.48	24.40			
3	QPSK	1	8	24.38	24.42	24.49			
3	QPSK	1	14	24.36	24.19	24.17	24.5	1	
3	QPSK	8	0	23.21	23.30	23.26			
3	QPSK	8	4	23.11	23.26	23.07	24.5	1	
3	QPSK	8	7	23.09	23.15	23.41			
3	QPSK	15	0	23.35	23.24	23.24	24.5	1	
3	16QAM	1	0	23.42	23.50	23.51			
3	16QAM	1	8	23.25	23.56	23.54	24.5	1	
3	16QAM	1	14	23.50	23.53	23.42			
3	16QAM	8	0	22.23	22.33	22.38	23.5	2	
3	16QAM	8	4	22.19	22.30	22.19			
3	16QAM	8	7	22.28	22.46	22.28	23.5	2	
3	16QAM	15	0	22.41	22.24	22.40			
3	64QAM	1	0	22.15	22.34	22.09	23.5	2	
3	64QAM	1	8	22.35	22.58	22.48			
3	64QAM	1	14	22.31	22.15	22.47	22.5	3	
3	64QAM	8	0	21.51	21.41	21.22			
3	64QAM	8	4	21.27	21.35	21.30	Tune-up limit (dBm)	MPR (dB)	
3	64QAM	8	7	21.31	21.44	21.23			
3	64QAM	15	0	21.04	21.50	21.28	Tune-up limit (dBm)	MPR (dB)	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.45	24.47	24.45			
1.4	QPSK	1	3	24.34	24.44	24.32			
1.4	QPSK	1	5	24.30	24.22	24.30	24.5	1	
1.4	QPSK	3	0	24.32	24.32	24.10			
1.4	QPSK	3	1	24.14	24.24	24.16	24.5	1	
1.4	QPSK	3	3	24.04	24.13	24.30			
1.4	QPSK	6	0	23.26	23.43	23.23	24.5	1	
1.4	16QAM	1	0	23.38	23.51	23.36			
1.4	16QAM	1	3	23.44	23.54	23.41	24.5	1	
1.4	16QAM	1	5	23.58	23.55	23.19			
1.4	16QAM	3	0	23.29	23.37	23.09	23.5	2	
1.4	16QAM	3	1	23.32	23.35	23.22			
1.4	16QAM	3	3	23.11	23.41	23.18	23.5	2	
1.4	16QAM	6	0	22.19	22.49	22.39			
1.4	64QAM	1	0	22.19	22.50	22.40	23.5	2	
1.4	64QAM	1	3	22.47	22.43	22.30			
1.4	64QAM	1	5	22.21	22.19	22.24	23.5	2	
1.4	64QAM	3	0	22.46	22.46	22.08			
1.4	64QAM	3	1	22.05	22.30	22.25	22.5	3	
1.4	64QAM	3	3	22.24	22.29	22.19			

Band 12_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				23060	23095	23130	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.67	23.70	23.65	25	0	
10	QPSK	1	25	23.60	23.67	23.62			
10	QPSK	1	49	23.63	23.65	23.64			
10	QPSK	25	0	22.71	22.80	22.66			
10	QPSK	25	12	22.48	22.63	22.48	24	1	
10	QPSK	25	25	22.62	22.67	22.55			
10	QPSK	50	0	22.66	22.76	22.72			
10	16QAM	1	0	22.55	22.62	22.59			
10	16QAM	1	25	22.64	22.73	22.69	24	1	
10	16QAM	1	49	22.55	22.68	22.64			
10	16QAM	25	0	21.67	21.80	21.79			
10	16QAM	25	12	21.54	21.56	21.42			
10	16QAM	25	25	21.49	21.51	21.41	23	2	
10	16QAM	50	0	21.63	21.68	21.65			
10	64QAM	1	0	21.50	21.65	21.50			
10	64QAM	1	25	21.58	21.71	21.57			
10	64QAM	1	49	21.57	21.61	21.48	23	2	
10	64QAM	25	0	20.72	20.86	20.76			
10	64QAM	25	12	20.40	20.54	20.39			
10	64QAM	25	25	20.58	20.60	20.46			
10	64QAM	50	0	20.48	20.61	20.52	22	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	23.58	23.63	23.51	25	0	
5	QPSK	1	12	23.61	23.55	23.42			
5	QPSK	1	24	23.65	23.67	23.54			
5	QPSK	12	0	22.74	22.70	22.49			
5	QPSK	12	7	22.25	22.53	22.45	24	1	
5	QPSK	12	13	22.49	22.71	22.69			
5	QPSK	25	0	22.56	22.51	22.37			
5	16QAM	1	0	22.61	22.43	22.63			
5	16QAM	1	12	22.53	22.48	22.45	24	1	
5	16QAM	1	24	22.43	22.61	22.52			
5	16QAM	12	0	21.75	21.56	21.86			
5	16QAM	12	7	21.43	21.39	21.38			
5	16QAM	12	13	21.45	21.54	21.37	23	2	
5	16QAM	25	0	21.37	21.43	21.43			
5	64QAM	1	0	21.46	21.51	21.54			
5	64QAM	1	12	21.43	21.79	21.51			
5	64QAM	1	24	21.53	21.54	21.40	23	2	
5	64QAM	12	0	20.54	20.69	20.60			
5	64QAM	12	7	20.22	20.47	20.34			
5	64QAM	12	13	20.39	20.48	20.50			
5	64QAM	25	0	20.39	20.64	20.24	22	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dbm)	MPR (dB)	
3	QPSK	1	0	23.47	23.45	23.59	25	0	
3	QPSK	1	8	23.61	23.38	23.63			
3	QPSK	1	14	23.49	23.66	23.65			
3	QPSK	8	0	22.52	22.55	22.52			
3	QPSK	8	4	22.43	22.37	22.32	24	1	
3	QPSK	8	7	22.69	22.69	22.54			
3	QPSK	15	0	22.55	22.77	22.51			
3	16QAM	1	0	22.35	22.42	22.37			
3	16QAM	1	8	22.59	22.27	22.36	24	1	
3	16QAM	1	14	22.40	22.70	22.40			
3	16QAM	8	0	21.52	21.65	21.72			
3	16QAM	8	4	21.29	21.52	21.29			
3	16QAM	8	7	21.57	21.47	21.47	23	2	
3	16QAM	15	0	21.48	21.58	21.70			
3	64QAM	1	0	21.24	21.44	21.25			
3	64QAM	1	8	21.50	21.44	21.50			
3	64QAM	1	14	21.38	21.52	21.54	23	2	
3	64QAM	8	0	20.77	20.58	20.78			
3	64QAM	8	4	20.36	20.37	20.40			
3	64QAM	8	7	20.37	20.36	20.31			
3	64QAM	15	0	20.32	20.52	20.52	22	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dbm)	MPR (dB)	
1.4	QPSK	1	0	23.46	23.58	23.49	25	0	
1.4	QPSK	1	3	23.36	23.47	23.50			
1.4	QPSK	1	5	23.66	23.47	23.56			
1.4	QPSK	3	0	23.36	23.65	23.32			
1.4	QPSK	3	1	23.20	23.57	23.23	24	1	
1.4	QPSK	3	3	23.49	23.53	23.38			
1.4	QPSK	6	0	22.69	22.58	22.59			
1.4	16QAM	1	0	22.49	22.50	22.44			
1.4	16QAM	1	3	22.47	22.49	22.48	24	1	
1.4	16QAM	1	5	22.43	22.56	22.53			
1.4	16QAM	3	0	22.47	22.43	22.27			
1.4	16QAM	3	1	22.48	22.27	22.26			
1.4	16QAM	3	3	22.42	22.38	22.37	23	2	
1.4	16QAM	6	0	21.64	21.51	21.49			
1.4	64QAM	1	0	21.42	21.33	21.36			
1.4	64QAM	1	3	21.48	21.59	21.60			
1.4	64QAM	1	5	21.65	21.61	21.29	23	2	
1.4	64QAM	3	0	21.36	21.72	21.68			
1.4	64QAM	3	1	21.24	21.49	21.53			
1.4	64QAM	3	3	21.40	21.24	21.23			
1.4	64QAM	6	0	20.33	20.54	20.36	22	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	132322	132572							
Frequency (MHz)				1720	1745	1770							
20	QPSK	1	0	24.10	24.17	24.12	25	0					
20	QPSK	1	49	24.01	24.07	24.08							
20	QPSK	1	99	23.94	23.93	24.00	24	1					
20	QPSK	50	0	23.01	23.04	22.93							
20	QPSK	50	24	22.88	22.92	22.90	24	1					
20	QPSK	50	50	22.89	22.92	22.77							
20	QPSK	100	0	22.96	22.97	22.84	24	1					
20	16QAM	1	0	23.11	23.17	23.14							
20	16QAM	1	49	23.05	23.10	23.06	24	1					
20	16QAM	1	99	22.81	22.92	22.92							
20	16QAM	50	0	21.90	22.01	21.93	23	2					
20	16QAM	50	24	21.88	21.97	21.94							
20	16QAM	50	50	21.79	21.94	21.91	23	2					
20	64QAM	1	0	21.77	21.92	21.78							
20	64QAM	1	49	22.04	22.06	22.01	23	2					
20	64QAM	1	99	21.77	21.84	21.77							
20	64QAM	50	0	20.98	21.02	20.90	22	3					
20	64QAM	50	24	20.86	20.96	20.94							
20	64QAM	50	50	20.78	20.92	20.81	20	64QAM	100	0	20.85	20.96	20.96
20	64QAM	100	0	20.85	20.96	20.96							
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1717.5	1745	1772.5							
15	QPSK	1	0	23.96	24.16	24.14	25	0					
15	QPSK	1	37	23.94	24.04	24.12							
15	QPSK	1	74	23.88	23.83	23.95	24	1					
15	QPSK	36	0	22.80	22.77	22.75							
15	QPSK	36	20	22.89	23.03	22.83	24	1					
15	QPSK	36	39	22.68	22.75	22.80							
15	QPSK	75	0	23.00	22.96	22.57	15	QPSK	75	0	23.00	22.96	22.57
15	16QAM	1	0	22.89	23.13	23.09							
15	16QAM	1	37	23.03	23.17	22.83	24	1					
15	16QAM	1	74	22.87	22.90	22.78							
15	16QAM	36	0	21.89	21.97	21.97	15	16QAM	36	0	21.89	21.97	21.97
15	16QAM	36	20	21.65	21.80	21.92							
15	16QAM	36	39	21.52	21.96	21.53	15	16QAM	36	20	21.65	21.80	21.92
15	16QAM	36	74	21.78	21.66	21.88							
15	64QAM	1	0	21.62	21.74	21.62	15	64QAM	1	0	21.62	21.74	21.62
15	64QAM	1	37	21.87	21.90	21.87							
15	64QAM	1	74	21.56	21.66	21.84	15	64QAM	1	37	21.87	21.90	21.87
15	64QAM	1	99	21.56	21.66	21.84							
15	64QAM	36	0	20.70	20.95	20.74	15	64QAM	36	0	20.70	20.95	20.74
15	64QAM	36	20	20.77	20.69	20.96							
15	64QAM	36	39	20.82	20.79	20.81	15	64QAM	36	39	20.82	20.79	20.81
15	64QAM	75	0	20.69	20.92	20.94							
15	64QAM	75	0	20.69	20.92	20.94	15	64QAM	75	0	20.69	20.92	20.94
15	64QAM	75	0	20.69	20.92	20.94							
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1715	1745	1775							
10	QPSK	1	0	23.96	24.12	23.86	25	0					
10	QPSK	1	25	23.76	24.08	24.14							
10	QPSK	1	49	23.88	23.75	23.83	24	1					
10	QPSK	25	0	22.86	22.79	22.65							
10	QPSK	25	12	22.88	22.72	22.86	24	1					
10	QPSK	25	25	22.81	22.65	22.74							
10	QPSK	50	0	23.04	23.00	22.88	24	1					
10	QPSK	50	0	23.04	23.00	22.88							
10	16QAM	1	0	22.89	23.03	23.03	24	1					
10	16QAM	1	25	23.01	23.14	22.96							
10	16QAM	1	49	22.79	22.83	22.93	23	2					
10	16QAM	25	0	21.74	21.96	21.83							
10	16QAM	25	12	21.86	21.95	21.73	23	2					
10	16QAM	25	25	21.86	21.69	21.87							
10	16QAM	50	0	21.85	21.67	21.96	23	2					
10	64QAM	1	0	21.84	21.64	21.84							
10	64QAM	1	25	21.84	21.90	22.02	23	2					
10	64QAM	1	49	21.68	21.74	21.52							
10	64QAM	25	0	20.96	20.93	20.93	22	3					
10	64QAM	25	12	20.90	20.73	20.92							
10	64QAM	25	25	20.51	20.95	20.88	22	3					
10	64QAM	50	0	20.70	20.72	20.72							
10	64QAM	50	0	20.70	20.72	20.72	20	64QAM	100	0	20.70	20.72	20.72
10	64QAM	50	0	20.70	20.72	20.72							
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1712.5	1745	1777.5							
5	QPSK	1	0	23.92	24.15	23.96	25	0					
5	QPSK	1	12	23.74	24.09	23.94							
5	QPSK	1	24	23.87	23.78	23.88	24	1					
5	QPSK	12	0	23.07	22.91	22.95							
5	QPSK	12	7	22.80	22.74	22.89	24	1					
5	QPSK	12	13	22.75	22.68	22.77							
5	QPSK	25	0	22.83	23.01	22.70	24	1					
5	16QAM	1	0	22.96	23.02	22.95							
5	16QAM	1	12	23.03	23.17	22.99	24	1					
5	16QAM	1	24	22.88	22.68	22.74							
5	16QAM	12	0	21.62	21.80	21.68	23	2					
5	16QAM	12	7	21.79	21.70	21.72							
5	16QAM	12	13	21.65	21.98	21.78	23	2					
5	16QAM	25	0	21.54	21.75	21.66							
5	64QAM	1	0	21.73	21.94	21.83	23	2					
5	64QAM	1	12	22.07	21.88	21.94							
5	64QAM	1	24	21.71	21.92	21.63	23	2					
5	64QAM	1	25	21.84	21.90	22.02							
5	64QAM	12	0	21.02	20.91	20.86	22	3					
5	64QAM	12	7	20.85	20.90	20.73							
5	64QAM	12	13	20.57	20.94	20.86	22	3					
5	64QAM	25	0	20.83	21.03	20.86							
5	64QAM	25	0	20.83	21.03	20.86	20	64QAM	100	0	20.83	21.03	20.86
5	64QAM	25	0	20.83	21.03	20.86							
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1711.5	1745	1778.5							
3	QPSK	1	0	24.06	24.05	23.98	25	0					
3	QPSK	1	8	23.83	23.85	23.94							
3	QPSK	1	14	23.91	23.85	23.93	24	1					
3	QPSK	8	0	23.03	23.01	22.70							
3	QPSK	8	4	22.91	22.94	22.98	24	1					
3	QPSK	8	7	22.84	22.98	22.81							
3	QPSK	15	0	22.81	22.83	22.75	23	2					
3	16QAM	1	0	23.04	23.16	22.94							
3	16QAM	1	8	22.78	22.87	22.79	24	1					
3	16QAM	1	14	21.80	21.85	21.86							
3	16QAM	8	0	21.62	21.82	21.59	23	2					
3	16QAM	8	4	21.81	21.76	21.73							
3	16QAM	8	7	21.62	21.98	21.71	23	2					
3	16QAM	15	0	21.56	22.01	21.68							
3	64QAM	1	0	21.81	21.68	21.51	23	2					
3	64QAM	1	8	21.88	21.82	21.77							
3	64QAM	1	14	21.60	21.61	21.54	23	2					
3	64QAM	8	0	21.02	20.85	20.96							
3	64QAM	8	4	20.77	20.93	20.87	22	3					
3	64QAM	8	7	20.72	20.70	20.55							
3	64QAM	15	0	20.70	20.80	20.74	22	3					
3	64QAM	15	0	20.70	20.80	20.74							
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1710.7	1745	1779.3							
1.4	QPSK	1	0	23.91	24.10	24.12	25	0					
1.4	QPSK	1	3	23.06	23.89	24.05							
1.4	QPSK	1	5	23.76	23.97	23.87	24	1					
1.4	QPSK	1	8	23.69	24.00	23.74							
1.4	QPSK	3	1	23.67	23.99	23.85	24	1					
1.4	QPSK	3	3	23.73	23.71	23.69							
1.4	QPSK	6	0	22.87	22.78	22.88	24	1					
1.4	16QAM	1	0	22.97	23.03	23.13							
1.4	16QAM	1	3	23.13	23.14	23.05	24	1					
1.4	16QAM	1	5	22.70	22.70	22.92							
1.4	16QAM	3	0	22.72	22.78	22.76	24	1					
1.4	16QAM	3	1	22.70	22.89	22.78							
1.4	16QAM	3	3	22.81	22.83	22.70	23	2					
1.4	16QAM	6	0	21.58	21.80	21.65							
1.4	64QAM	1	0	21.68	21.65	21.83	23	2					
1.4	64QAM	1	3	21.79	22.01	21.84							
1.4	64QAM	1	5	21.68	21.61	21.84	23	2					
1.4	64QAM	3	0	21.91	21.78	21.77							
1.4	64QAM	3	1	21.52	21.67	21.47	23	2					
1.4	64QAM	3	3	21.61	21.62	21.71							
1.4	64QAM	6	0	20.93	20.98	20.94	22	3					
1.4	64QAM	6	0	20.93	20.98	20.94							

Band 38_Ant 0										
BW [MHz]	Modulatio n	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	23.7	0		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.59	22.62	22.53				
20	QPSK	1	49	22.48	22.51	22.44	22.7	1		
20	QPSK	1	99	22.47	22.35	22.30				
20	QPSK	50	0	21.72	21.74	21.58				
20	QPSK	50	24	21.66	21.70	21.68	21.7	2		
20	QPSK	50	50	21.69	21.71	21.65				
20	QPSK	100	0	21.67	21.72	21.70				
20	16QAM	1	0	21.53	21.66	21.66	21.7	1		
20	16QAM	1	49	21.70	21.70	21.63				
20	16QAM	1	99	21.53	21.63	21.50				
20	16QAM	50	0	20.69	20.77	20.72	21.7	2		
20	16QAM	50	24	20.76	20.82	20.78				
20	16QAM	50	50	20.69	20.77	20.66				
20	16QAM	100	0	20.76	20.82	20.81	21.7	2		
20	64QAM	1	0	20.56	20.67	20.66				
20	64QAM	1	49	20.70	20.74	20.66				
20	64QAM	1	99	20.64	20.66	20.54	20.7	3		
20	64QAM	50	0	20.06	20.10	20.06				
20	64QAM	50	24	20.16	20.18	20.14				
20	64QAM	50	50	20.14	20.21	20.20	20.7	3		
20	64QAM	100	0	20.08	20.20	20.16				
Channel				37825	38000	38175	23.7	0		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.32	22.48	22.54				
15	QPSK	1	37	22.24	22.29	22.44	22.7	1		
15	QPSK	1	74	22.30	22.18	22.16				
15	QPSK	36	0	21.77	21.69	21.66				
15	QPSK	36	20	21.51	21.61	21.61	22.7	1		
15	QPSK	36	39	21.72	21.64	21.43				
15	QPSK	75	0	21.52	21.63	21.77				
15	16QAM	1	0	21.52	21.69	21.73	22.7	1		
15	16QAM	1	37	21.69	21.64	21.55				
15	16QAM	1	74	21.61	21.61	21.57				
15	16QAM	36	0	20.70	20.50	20.53	21.7	2		
15	16QAM	36	20	20.65	20.74	20.67				
15	16QAM	36	39	20.54	20.75	20.39				
15	16QAM	75	0	20.49	20.59	20.73	21.7	2		
15	64QAM	1	0	20.62	20.67	20.63				
15	64QAM	1	37	20.51	20.77	20.65				
15	64QAM	1	74	20.50	20.58	20.40	20.7	3		
15	64QAM	36	0	20.13	20.03	20.01				
15	64QAM	36	20	20.16	19.95	20.16				
15	64QAM	36	39	20.19	20.29	20.11	20.7	3		
15	64QAM	75	0	20.01	20.25	20.08				
Channel				37800	38000	38200	23.7	0		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.59	22.59	22.47				
10	QPSK	1	25	22.34	22.31	22.26	22.7	1		
10	QPSK	1	49	22.49	22.32	22.19				
10	QPSK	25	0	21.72	21.64	21.65				
10	QPSK	25	12	21.60	21.77	21.58	22.7	1		
10	QPSK	25	25	21.70	21.63	21.59				
10	QPSK	50	0	21.74	21.75	21.48				
10	16QAM	1	0	21.28	21.42	21.43	22.7	1		
10	16QAM	1	25	21.67	21.57	21.74				
10	16QAM	1	49	21.34	21.36	21.53				
10	16QAM	25	0	20.76	20.66	20.51	21.7	2		
10	16QAM	25	12	20.50	20.80	20.78				
10	16QAM	25	25	20.43	20.60	20.69				
10	16QAM	50	0	20.68	20.79	20.59	21.7	2		
10	64QAM	1	0	20.39	20.54	20.52				
10	64QAM	1	25	20.57	20.50	20.44				
10	64QAM	1	49	20.44	20.74	20.33	20.7	3		
10	64QAM	25	0	20.13	20.13	20.02				
10	64QAM	25	12	19.88	20.21	20.05				
10	64QAM	25	25	19.98	20.08	20.21	20.7	3		
10	64QAM	50	0	20.15	20.18	20.01				
Channel				37775	38000	38225	23.7	0		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.47	22.50	22.58				
5	QPSK	1	12	22.41	22.31	22.35	22.7	1		
5	QPSK	1	24	22.21	22.10	22.15				
5	QPSK	12	0	21.73	21.63	21.47				
5	QPSK	12	7	21.69	21.48	21.50	22.7	1		
5	QPSK	12	13	21.49	21.72	21.44				
5	QPSK	25	0	21.40	21.71	21.74				
5	16QAM	1	0	21.55	21.48	21.62	22.7	1		
5	16QAM	1	12	21.75	21.43	21.44				
5	16QAM	1	24	21.44	21.49	21.45				
5	16QAM	12	0	20.56	20.67	20.75	21.7	2		
5	16QAM	12	7	20.72	20.87	20.74				
5	16QAM	12	13	20.73	20.70	20.44				
5	16QAM	25	0	20.62	20.76	20.80	21.7	2		
5	64QAM	1	0	20.37	20.70	20.73				
5	64QAM	1	12	20.66	20.53	20.53				
5	64QAM	1	24	20.61	20.52	20.52	20.7	3		
5	64QAM	12	0	19.96	20.16	20.00				
5	64QAM	12	7	20.03	20.08	20.06				
5	64QAM	12	13	20.13	20.22	20.13	20.7	3		
5	64QAM	25	0	19.96	20.16	20.04				

Band 38_Ant 1										
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power/ High Ch. / Freq.				
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.47	24.53	24.52	25.5	0		
20	QPSK	1	49	24.39	24.41	24.50				
20	QPSK	1	99	24.43	24.47	24.35				
20	QPSK	50	0	23.40	23.45	23.42	24.5	1		
20	QPSK	50	24	23.32	23.40	23.35				
20	QPSK	50	50	23.28	23.43	23.29				
20	QPSK	100	0	23.18	23.32	23.27	24.5	1		
20	16QAM	1	0	23.35	23.39	23.37				
20	16QAM	1	49	23.29	23.41	23.40				
20	16QAM	1	99	23.35	23.45	23.31	23.5	2		
20	16QAM	50	0	22.47	22.51	22.39				
20	16QAM	50	24	22.51	22.54	22.36				
20	16QAM	50	50	22.43	22.50	22.46	23.5	2		
20	16QAM	100	0	22.47	22.52	22.39				
20	64QAM	1	0	22.36	22.49	22.47				
20	64QAM	1	49	22.49	22.52	22.52	22.5	3		
20	64QAM	1	99	22.27	22.42	22.27				
20	64QAM	50	0	21.53	21.54	21.48				
20	64QAM	50	24	21.53	21.59	21.50	22.5	3		
20	64QAM	50	50	21.38	21.50	21.44				
20	64QAM	100	0	21.42	21.47	21.46				
Channel				37850	38000	38150	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2617.6	2696	2624.5				
15	QPSK	1	0	24.28	24.32	24.25	25.5	0		
15	QPSK	1	37	24.18	24.35	24.47				
15	QPSK	1	74	24.37	24.25	24.23				
15	QPSK	36	0	23.20	23.46	23.23	24.5	1		
15	QPSK	36	20	23.12	23.39	23.14				
15	QPSK	36	39	23.33	23.28	23.27				
15	QPSK	75	0	23.02	23.34	23.18	24.5	1		
15	16QAM	1	0	23.38	23.38	23.34				
15	16QAM	1	37	23.23	23.28	23.30				
15	16QAM	1	74	23.40	23.42	23.32	23.5	2		
15	16QAM	36	0	22.52	22.49	22.32				
15	16QAM	36	20	22.37	22.62	22.17				
15	16QAM	36	39	22.19	22.37	22.31	22.5	3		
15	16QAM	75	0	22.30	22.37	22.19				
15	64QAM	1	0	22.23	22.37	22.45				
15	64QAM	1	37	22.50	22.29	22.35	22.5	3		
15	64QAM	1	74	22.14	22.29	22.22				
15	64QAM	36	0	21.52	21.56	21.51				
15	64QAM	36	20	21.33	21.36	21.51	22.5	3		
15	64QAM	36	39	21.29	21.54	21.34				
15	64QAM	75	0	21.48	21.25	21.43				
Channel				37800	38000	38200	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.51	24.43	24.47	25.5	0		
10	QPSK	1	25	24.36	24.30	24.46				
10	QPSK	1	49	24.44	24.50	24.21				
10	QPSK	25	0	23.32	23.26	23.40	24.5	1		
10	QPSK	25	12	23.20	23.28	23.37				
10	QPSK	25	25	23.26	23.50	23.35				
10	QPSK	50	0	23.19	23.22	23.04	24.5	1		
10	16QAM	1	0	23.08	23.17	23.31				
10	16QAM	1	25	23.24	23.29	23.16				
10	16QAM	1	49	23.18	23.20	23.35	23.5	2		
10	16QAM	25	0	22.19	22.57	22.11				
10	16QAM	25	12	22.45	22.39	22.22				
10	16QAM	25	25	22.21	22.28	22.31	22.5	3		
10	16QAM	50	0	22.37	22.36	22.32				
10	64QAM	1	0	22.28	22.31	22.55				
10	64QAM	1	25	22.46	22.41	22.55	23.5	2		
10	64QAM	1	49	22.08	22.50	22.28				
10	64QAM	25	0	21.29	21.58	21.52				
10	64QAM	25	12	21.30	21.44	21.50	22.5	3		
10	64QAM	25	25	21.14	21.22	21.49				
10	64QAM	50	0	21.17	21.31	21.27				
Channel				37775	38000	38225	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.29	24.43	24.50	25.5	0		
5	QPSK	1	12	24.40	24.21	24.38				
5	QPSK	1	24	24.36	24.48	24.40				
5	QPSK	12	0	23.44	23.42	23.23	24.5	1		
5	QPSK	12	7	23.19	23.17	23.18				
5	QPSK	12	13	23.28	23.22	23.21				
5	QPSK	25	0	23.19	23.40	22.99	24.5	1		
5	16QAM	1	0	23.35	23.34	23.19				
5	16QAM	1	12	23.18	23.49	23.29				
5	16QAM	1	24	23.38	23.33	23.37	23.5	2		
5	16QAM	12	0	22.27	22.27	22.16				
5	16QAM	12	7	22.49	22.31	22.15				
5	16QAM	12	13	22.28	22.55	22.18	22.5	3		
5	16QAM	25	0	22.39	22.40	22.36				
5	64QAM	1	0	22.08	22.44	22.48				
5	64QAM	1	12	22.33	22.27	22.43	23.5	2		
5	64QAM	1	24	22.31	22.40	22.05				
5	64QAM	12	0	21.43	21.62	21.49				
5	64QAM	12	7	22.32	21.48	21.42	22.5	3		
5	64QAM	12	13	21.23	21.55	21.38				
5	64QAM	25	0	21.46	21.24	21.47				

Band 38_Ant 3									
BW [MHz]	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)				23.80	23.95	24.00			
20	QPSK	1	0	23.75	23.84	23.69			
20	QPSK	1	49	23.75	23.80	23.63	24.8	0	
20	QPSK	1	99	23.46	23.55	23.44			
20	QPSK	50	0	22.72	22.79	22.73			
20	QPSK	50	24	22.64	22.76	22.69	23.8	1	
20	QPSK	50	50	22.59	22.74	22.66			
20	QPSK	100	0	22.70	22.75	22.65			
20	16QAM	1	0	22.79	22.86	22.73			
20	16QAM	1	49	22.82	22.94	22.86	23.8	1	
20	16QAM	1	99	22.79	22.81	22.70			
20	16QAM	50	0	21.61	21.74	21.60			
20	16QAM	50	24	21.74	21.84	21.73	22.8	2	
20	16QAM	50	50	21.81	21.87	21.76			
20	16QAM	100	0	21.67	21.82	21.68			
20	64QAM	1	0	21.88	21.90	21.85			
20	64QAM	1	49	21.85	21.99	21.87	22.8	2	
20	64QAM	1	99	21.76	21.86	21.77			
20	64QAM	50	0	20.72	20.73	20.65			
20	64QAM	50	24	20.85	20.85	20.77	21.8	3	
20	64QAM	50	50	20.82	20.87	20.80			
20	64QAM	100	0	20.69	20.82	20.77			
Channel				37825	38000	38175	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				23.75	23.95	24.00			
15	QPSK	1	0	23.77	23.74	23.55			
15	QPSK	1	37	23.80	23.76	23.52	24.8	0	
15	QPSK	1	74	23.33	23.47	23.36			
15	QPSK	36	0	22.52	22.80	22.69			
15	QPSK	36	20	22.50	22.55	22.45	23.8	1	
15	QPSK	36	39	22.54	22.60	22.59			
15	QPSK	75	0	22.67	22.92	22.48			
15	16QAM	1	0	22.69	22.94	22.66			
15	16QAM	1	37	22.74	22.94	22.77	23.8	1	
15	16QAM	1	74	22.51	22.57	22.57			
15	16QAM	36	0	21.60	21.63	21.52			
15	16QAM	36	20	21.58	21.76	21.59	22.8	2	
15	16QAM	36	39	21.67	21.83	21.67			
15	16QAM	75	0	21.84	21.83	21.68			
15	64QAM	1	0	21.67	21.83	21.61			
15	64QAM	1	37	21.62	21.97	21.77	22.8	2	
15	64QAM	1	74	21.51	21.59	21.54			
15	64QAM	36	0	20.67	20.74	20.55			
15	64QAM	36	20	20.71	20.58	20.85	21.8	3	
15	64QAM	36	39	20.85	20.93	20.63			
15	64QAM	75	0	20.74	20.89	20.57			
Channel				37800	38000	38200	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				23.70	23.90	24.00			
10	QPSK	1	0	23.71	23.82	23.73			
10	QPSK	1	25	23.70	23.61	23.47	24.8	0	
10	QPSK	1	49	23.39	23.54	23.50			
10	QPSK	25	0	22.57	22.80	22.80			
10	QPSK	25	12	22.52	22.64	22.61	23.8	1	
10	QPSK	25	25	22.51	22.68	22.52			
10	QPSK	50	0	22.58	22.58	22.59			
10	16QAM	1	0	22.79	22.79	22.72	23.8	1	
10	16QAM	1	25	22.67	22.96	22.80			
10	16QAM	1	49	22.71	22.74	22.53			
10	16QAM	25	0	21.49	21.62	21.54			
10	16QAM	25	12	21.50	21.60	21.70	22.8	2	
10	16QAM	25	25	21.89	21.82	21.55			
10	16QAM	50	0	21.67	21.74	21.69			
10	64QAM	1	0	21.66	21.96	21.66			
10	64QAM	1	25	21.80	21.73	21.78	22.8	2	
10	64QAM	1	49	21.78	21.64	21.57			
10	64QAM	25	0	20.80	20.67	20.61			
10	64QAM	25	12	20.82	20.79	20.50			
10	64QAM	25	25	20.55	20.91	20.72	21.8	3	
10	64QAM	50	0	20.60	20.56	20.71			
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				23.725	23.95	24.075			
5	QPSK	1	0	23.55	23.82	23.76			
5	QPSK	1	12	23.66	23.54	23.71	24.8	0	
5	QPSK	1	24	23.32	23.43	23.32			
5	QPSK	12	0	22.79	22.79	22.55			
5	QPSK	12	7	22.48	22.59	22.61	23.8	1	
5	QPSK	12	13	22.52	22.55	22.24			
5	QPSK	25	0	22.75	22.60	22.65			
5	16QAM	1	0	22.71	22.93	22.65			
5	16QAM	1	12	22.64	22.71	22.89	23.8	1	
5	16QAM	1	24	22.72	22.81	22.74			
5	16QAM	12	0	21.47	21.61	21.44			
5	16QAM	12	7	21.58	21.61	21.62	22.8	2	
5	16QAM	12	13	21.75	21.88	21.72			
5	16QAM	25	0	21.61	21.55	21.69			
5	64QAM	1	0	21.90	21.72	21.75			
5	64QAM	1	12	21.89	21.77	21.75	22.8	2	
5	64QAM	1	24	21.69	21.83	21.62			
5	64QAM	12	0	20.57	20.49	20.68			
5	64QAM	12	7	20.91	20.54	20.56	21.8	3	
5	64QAM	12	13	20.79	20.74	20.77			
5	64QAM	25	0	20.62	20.75	20.71			

Band 41_Ant 0										
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.	Tune-up limit (dbm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	23.3	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.63	22.54	22.67	22.30	22.48		
20	QPSK	1	49	22.60	22.42	22.56	22.19	22.42		
20	QPSK	1	99	22.56	22.47	22.49	22.15	22.18	22.3	1
20	QPSK	50	0	21.71	21.64	21.73	21.72	21.72		
20	QPSK	50	24	21.62	21.61	21.70	21.71	21.56		
20	QPSK	50	50	21.67	21.61	21.72	21.63	21.63		
20	QPSK	100	0	21.62	21.53	21.67	21.58	21.58	22.3	1
20	16QAM	1	0	21.62	21.68	21.72	21.65	21.61		
20	16QAM	1	49	21.78	21.78	21.82	21.72	21.78		
20	16QAM	1	99	21.50	21.61	21.64	21.63	21.60		
20	16QAM	50	0	20.59	20.55	20.59	20.44	20.45	21.3	2
20	16QAM	50	24	20.65	20.65	20.70	20.57	20.57		
20	16QAM	50	50	20.57	20.70	20.71	20.69	20.71		
20	16QAM	100	0	20.61	20.56	20.64	20.61	20.58		
20	64QAM	1	0	20.68	20.53	20.68	20.55	20.55	21.3	2
20	64QAM	1	49	20.76	20.80	20.82	20.74	20.82		
20	64QAM	1	99	20.68	20.65	20.72	20.66	20.66		
20	64QAM	50	0	19.45	19.42	19.57	19.56	19.42		
20	64QAM	50	24	19.51	19.58	19.65	19.61	19.58	20.3 <th rowspan="3">3</th>	3
20	64QAM	50	50	19.58	19.52	19.67	19.56	19.58		
20	64QAM	100	0	19.55	19.62	19.65	19.58	19.56		
Channel				39725	40173	40620	41068	41515	23.3	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.67	22.35	22.51	22.27	22.54		
15	QPSK	1	37	22.54	22.23	22.51	22.14	22.44		
15	QPSK	1	74	22.60	22.42	22.44	22.11	22.13	22.3	1
15	QPSK	36	0	21.67	21.45	21.70	21.62	21.65		
15	QPSK	36	20	21.53	21.42	21.58	21.57	21.38		
15	QPSK	36	39	21.46	21.64	21.60	21.40	21.55	22.3	1
15	QPSK	75	0	21.52	21.52	21.31	21.58	21.38		
15	16QAM	1	0	21.50	21.60	21.71	21.40	21.43		
15	16QAM	1	37	21.74	21.60	21.68	21.61	21.62	22.3	1
15	16QAM	1	74	21.43	21.59	21.48	21.43	21.44		
15	16QAM	36	0	20.57	20.43	20.63	20.21	20.43		
15	16QAM	36	20	20.38	20.49	20.56	20.41	20.64	21.3	2
15	16QAM	36	39	20.65	20.61	20.78	20.64	20.80		
15	16QAM	75	0	20.66	20.42	20.41	20.38	20.56		
15	64QAM	1	0	20.52	20.45	20.63	20.40	20.54	21.3	2
15	64QAM	1	37	20.69	20.59	20.79	20.47	20.74		
15	64QAM	1	74	20.53	20.65	20.53	20.60	20.38		
15	64QAM	36	0	19.29	19.36	19.51	19.31	19.20	20.3	3
15	64QAM	36	20	18.40	19.64	19.38	19.43	19.46		
15	64QAM	36	39	19.34	19.47	19.51	19.42	19.55		
15	64QAM	75	0	19.53	19.53	19.64	19.41	19.58	23.3	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2633	2680		
10	QPSK	1	0	22.61	22.62	22.40	22.37	22.46		
10	QPSK	1	25	22.59	22.40	22.40	22.19	22.14	23.3	0
10	QPSK	1	49	22.42	22.49	22.37	22.01	22.06		
10	QPSK	25	0	21.44	21.56	21.53	21.80	21.78		
10	QPSK	25	12	21.68	21.60	21.63	21.48	21.45	22.3	1
10	QPSK	25	25	21.57	21.47	21.78	21.51	21.39		
10	QPSK	50	0	21.56	21.36	21.54	21.38	21.30		
10	16QAM	1	0	21.68	21.44	21.73	21.63	21.39	22.3	1
10	16QAM	1	25	21.71	21.54	21.76	21.41	21.37		
10	16QAM	1	49	21.52	21.41	21.71	21.38	21.37		
10	16QAM	25	0	20.39	20.29	20.66	20.27	20.41	21.3	2
10	16QAM	25	12	20.50	20.40	20.57	20.33	20.36		
10	16QAM	25	25	20.39	20.44	20.58	20.46	20.46		
10	16QAM	50	0	20.53	20.28	20.53	20.34	20.59	21.3	2
10	64QAM	1	0	20.40	20.32	20.54	20.59	20.44		
10	64QAM	1	25	20.76	20.77	20.68	20.70	20.83		
10	64QAM	1	49	20.72	20.37	20.47	20.72	20.66	20.3	3
10	64QAM	25	0	19.32	19.50	19.47	19.28	19.34		
10	64QAM	25	12	19.37	19.40	19.39	19.57	19.56		
10	64QAM	25	25	19.39	19.31	19.56	19.40	19.61		
10	64QAM	50	0	19.34	19.34	19.49	19.47	19.63	23.3	0
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	22.50	22.38	22.64	22.16	22.47		
5	QPSK	1	12	22.58	22.30	22.56	22.19	22.50	22.3	0
5	QPSK	1	24	22.43	22.43	22.31	22.17	22.36		
5	QPSK	12	0	21.78	21.56	21.56	21.44	21.79		
5	QPSK	12	7	21.42	21.39	21.75	21.44	21.36	22.3	1
5	QPSK	12	13	21.49	21.41	21.73	21.70	21.42		
5	16QAM	1	0	21.34	21.34	21.58	21.61	21.30		
5	16QAM	1	0	21.66	21.51	21.75	21.62	21.38	22.3	1
5	16QAM	1	12	21.50	21.78	21.55	21.78	21.67		
5	16QAM	1	24	21.35	21.47	21.55	21.47	21.42		
5	16QAM	12	0	20.63	20.34	20.55	20.21	20.19	21.3	2
5	16QAM	12	7	20.66	20.39	20.49	20.35	20.57		
5	16QAM	12	13	20.43	20.76	20.75	20.47	20.60		
5	16QAM	25	0	20.33	20.40	20.49	20.44	20.33	21.3	2
5	64QAM	1	0	20.65	20.32	20.45	20.55	20.31		
5	64QAM	1	12	20.74	20.72	20.87	20.59	20.57		
5	64QAM	1	24	20.63	20.38	20.68	20.61	20.94	20.3	3
5	64QAM	12	0	19.52	19.33	19.49	19.33	19.33		
5	64QAM	12	7	19.56	19.42	19.53	19.62	19.37		
5	64QAM	12	13	19.61	19.24	19.61	19.29	19.48	20.3	3
5	64QAM	25	0	19.30	19.65	19.54	19.57	19.28		

Band 41_Ant 2											
BW [MHz]	Modulatio n	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	24.6	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.20	23.10	23.22	23.05	23.13	23.6	1	
20	QPSK	1	49	23.15	23.07	23.17	23.04	23.08			
20	QPSK	1	99	23.19	23.04	23.03	23.01	23.02	23.6	1	
20	QPSK	50	0	23.17	23.16	22.20	22.12	22.16			
20	QPSK	50	24	22.09	22.15	22.13	22.08	22.12	23.6	1	
20	QPSK	50	50	22.00	22.02	22.06	22.04	22.14			
20	QPSK	100	0	22.07	22.03	22.15	22.08	22.04	23.6	1	
20	16QAM	1	0	22.33	22.33	22.28	22.23	22.20			
20	16QAM	1	49	22.26	22.33	22.27	22.25	22.06	22.6	2	
20	16QAM	1	99	22.25	22.10	22.23	22.01	22.02			
20	16QAM	50	0	21.04	21.05	21.05	21.05	21.02	22.6	2	
20	16QAM	50	24	21.09	21.10	21.13	21.10	21.06			
20	16QAM	50	50	21.17	21.09	21.17	21.14	21.07	22.6	2	
20	16QAM	100	0	21.06	21.04	21.11	21.05	21.04			
20	64QAM	1	0	21.13	21.09	21.09	21.01	21.00	22.6	2	
20	64QAM	1	49	21.08	21.01	21.15	21.09	21.03			
20	64QAM	1	99	21.07	21.02	21.05	21.08	21.08	21.6	3	
20	64QAM	50	0	20.00	20.03	20.04	20.09	20.04			
20	64QAM	50	24	20.08	20.05	20.13	20.13	20.09	21.6	3	
20	64QAM	50	50	20.11	20.03	20.14	20.18	20.08			
20	64QAM	100	0	20.08	20.09	20.10	20.04	20.12	21.6	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.09	23.17	23.09	23.06	23.03	24.6	0	
15	QPSK	1	37	23.03	23.18	23.07	23.05	23.09			
15	QPSK	1	74	23.07	23.05	23.02	23.02	23.09	23.6	1	
15	QPSK	36	0	22.25	22.07	22.07	22.22	22.25			
15	QPSK	36	20	22.06	22.14	22.05	22.02	22.25	23.6	1	
15	QPSK	36	39	22.08	22.06	22.02	22.03	22.10			
15	QPSK	75	0	22.03	22.01	22.03	22.16	22.09	23.6	1	
15	16QAM	1	0	22.27	22.45	22.28	22.16	22.09			
15	16QAM	1	37	22.08	22.22	22.28	22.09	22.07	22.6	2	
15	16QAM	1	74	22.21	22.16	22.13	22.00	22.13			
15	16QAM	36	0	21.03	21.03	21.08	21.10	21.04	22.6	2	
15	16QAM	36	20	21.00	21.01	21.09	21.05	21.08			
15	16QAM	36	39	21.04	21.09	21.14	21.07	21.15	22.6	2	
15	16QAM	75	0	21.08	21.08	21.06	21.18	21.01			
15	64QAM	1	0	21.21	21.07	21.06	21.03	21.01	21.6	3	
15	64QAM	1	37	21.12	21.11	21.27	21.06	21.00			
15	64QAM	1	74	21.10	21.03	21.13	21.07	21.17	21.6	3	
15	64QAM	36	0	20.09	20.02	20.04	20.02	20.12			
15	64QAM	36	20	20.02	20.08	20.23	20.04	20.19	21.6	3	
15	64QAM	36	39	20.21	20.07	20.08	20.21	20.03			
15	64QAM	75	0	20.10	20.22	20.18	20.04	20.00	21.6	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.08	23.09	23.20	23.09	23.06	24.6	0	
10	QPSK	1	25	23.05	23.03	23.13	23.07	23.04			
10	QPSK	1	49	23.17	23.16	23.06	23.01	23.08	23.6	1	
10	QPSK	25	0	22.23	22.06	22.03	22.19	22.06			
10	QPSK	25	12	22.07	22.10	22.24	22.11	22.01	23.6	1	
10	QPSK	25	25	22.06	22.12	22.11	22.05	22.02			
10	QPSK	50	0	22.09	22.15	22.00	22.00	22.00	23.6	1	
10	16QAM	1	0	22.20	22.15	22.30	22.04	22.16			
10	16QAM	1	25	22.34	22.20	22.20	22.26	22.13	22.6	2	
10	16QAM	1	49	22.04	22.14	22.01	22.01	22.14			
10	16QAM	25	0	21.04	21.02	21.00	21.08	21.07	22.6	2	
10	16QAM	25	12	21.09	21.07	21.02	21.14	21.14			
10	16QAM	25	25	21.27	21.12	21.04	21.06	21.04	22.6	2	
10	16QAM	50	0	21.03	21.00	21.05	21.01	21.01			
10	64QAM	1	0	21.06	21.09	21.18	21.00	21.09	22.6	2	
10	64QAM	1	25	21.14	21.00	21.05	21.06	21.00			
10	64QAM	1	49	21.14	21.08	21.08	21.08	21.09	21.6	3	
10	64QAM	25	0	20.00	20.05	20.16	20.00	20.09			
10	64QAM	25	12	20.02	20.19	20.01	20.02	20.02	21.6	3	
10	64QAM	25	25	20.20	20.08	20.14	20.03	20.01			
10	64QAM	50	0	20.20	20.07	20.04	20.05	20.23	21.6	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.14	23.20	23.15	23.07	23.00	24.6	0	
5	QPSK	1	12	23.03	23.07	23.08	23.04	23.09			
5	QPSK	1	24	23.19	23.04	23.03	23.02	23.04	23.6	1	
5	QPSK	12	0	22.23	22.12	22.30	22.00	22.23			
5	QPSK	12	7	22.11	22.00	22.01	22.02	22.19	23.6	1	
5	QPSK	12	13	22.13	22.03	22.12	22.12	22.14			
5	QPSK	25	0	22.08	22.14	22.09	22.09	22.01	23.6	1	
5	16QAM	1	0	22.43	22.46	22.39	22.34	22.15			
5	16QAM	1	12	22.30	22.21	22.39	22.21	22.13	22.6	2	
5	16QAM	1	24	22.26	22.10	22.34	22.06	22.04			
5	16QAM	12	0	21.04	21.06	21.07	21.03	21.09	22.6	2	
5	16QAM	12	7	21.19	21.19	21.02	21.00	21.01			
5	16QAM	12	13	21.28	21.04	21.17	21.12	21.06	22.6	2	
5	16QAM	25	0	21.06	21.13	21.09	21.08	21.08			
5	64QAM	1	0	21.21	21.16	21.07	21.04	21.09	22.6	2	
5	64QAM	1	12	21.00	21.08	21.07	21.05	21.10			
5	64QAM	1	24	21.08	21.04	21.09	21.10	21.19	21.6	3	
5	64QAM	12	0	20.08	20.09	20.05	20.06	20.00			
5	64QAM	12	7	20.03	20.05	20.00	20.14	20.09	21.6	3	
5	64QAM	12	13	20.17	20.05	20.01	20.09	20.12			
5	64QAM	25	0	20.09	20.19	20.14	20.04	20.23			

Band 41_Ant 3											
BW [MHz]	Modulatio n	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.	Tune-up limit (dbm)	MPR (db)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.82	23.73	23.86	23.52	23.62	24.3	0	
20	QPSK	1	49	23.80	23.67	23.83	23.48	23.59			
20	QPSK	1	99	23.81	23.70	23.69	23.32	23.13	24.3	1	
20	QPSK	50	0	23.75	23.74	22.82	22.80	22.79			
20	QPSK	50	24	22.66	22.66	22.66	22.62	22.54	24.3	1	
20	QPSK	50	50	22.63	22.62	22.71	22.62	22.58			
20	QPSK	100	0	22.78	22.81	22.82	22.80	22.67	24.3	1	
20	16QAM	1	0	22.66	22.78	22.79	22.74	22.73			
20	16QAM	1	49	22.70	22.71	22.84	22.73	22.70	24.3	1	
20	16QAM	1	99	22.75	22.85	22.80	22.68	22.76			
20	16QAM	50	0	21.63	21.58	21.64	21.50	21.57	22.3	2	
20	16QAM	50	24	21.63	21.62	21.74	21.65	21.68			
20	16QAM	50	50	21.76	21.76	21.76	21.63	21.72	22.3	2	
20	16QAM	100	0	21.74	21.72	21.75	21.71	21.61			
20	8QAM	1	0	21.66	21.55	21.66	21.51	21.52	22.3	2	
20	8QAM	1	49	21.71	21.70	21.81	21.69	21.66			
20	8QAM	1	99	21.62	21.66	21.67	21.64	21.54	21.3	3	
20	8QAM	50	0	20.53	20.55	20.62	20.47	20.52			
20	8QAM	50	24	20.64	20.73	20.75	20.74	20.81	21.3	3	
20	8QAM	50	50	20.66	20.74	20.79	20.74	20.72			
20	8QAM	100	0	20.56	20.64	20.71	20.58	20.67			
Channel				39750	40173	40620	41068	41515			
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.78	23.48	23.82	23.37	23.52	24.3	0	
15	QPSK	1	37	23.80	23.30	23.81	23.34	23.64			
15	QPSK	1	74	23.70	23.58	23.66	23.26	23.19	24.3	1	
15	QPSK	36	0	22.63	22.72	22.70	22.57	22.85			
15	QPSK	36	20	22.45	22.26	22.65	22.29	22.27	24.3	1	
15	QPSK	36	39	22.58	22.68	22.76	22.48	22.52			
15	QPSK	75	0	22.74	22.74	22.70	22.84	22.83	24.3	1	
15	16QAM	1	0	22.57	22.57	22.78	22.59	22.62			
15	16QAM	1	37	22.42	22.66	22.65	22.54	22.62	24.3	1	
15	16QAM	1	74	22.53	22.58	22.75	22.60	22.62			
15	16QAM	36	0	21.54	21.44	21.70	21.36	21.40	22.3	2	
15	16QAM	36	20	21.70	21.53	21.64	21.37	21.52			
15	16QAM	36	39	21.75	21.70	21.65	21.52	21.79	22.3	2	
15	16QAM	75	0	21.61	21.47	21.65	21.72	21.66			
15	8QAM	1	0	21.26	21.63	21.55	21.45	21.50	22.3	2	
15	8QAM	1	37	21.61	21.68	21.61	21.43	21.67			
15	8QAM	1	74	21.39	21.48	21.64	21.41	21.31	21.3	3	
15	8QAM	36	0	20.33	20.34	20.42	20.37	20.52			
15	8QAM	36	20	20.36	20.47	20.48	20.48	20.49	21.3	3	
15	8QAM	36	39	20.42	20.48	20.63	20.56	20.53			
15	8QAM	75	0	20.30	20.67	20.69	20.62	20.48			
Channel				39700	40160	40620	41060	41500			
Frequency (MHz)				2501	2547	2593	2630	2676			
10	QPSK	1	0	23.66	23.60	23.80	23.30	23.68	24.3	1	
10	QPSK	1	25	23.66	23.64	23.57	23.55	23.54			
10	QPSK	1	49	23.68	23.76	23.47	23.19	23.20	24.3	1	
10	QPSK	25	0	22.48	22.55	22.72	22.72	22.52			
10	QPSK	25	12	22.54	22.34	22.59	22.40	22.39	24.3	1	
10	QPSK	25	25	22.71	22.59	22.63	22.63	22.41			
10	QPSK	50	0	22.61	22.63	22.84	22.79	22.40	24.3	1	
10	16QAM	1	0	22.61	22.57	22.83	22.80	22.86			
10	16QAM	1	25	22.57	22.60	22.84	22.72	22.71	24.3	1	
10	16QAM	1	49	22.72	22.57	22.84	22.71	22.63			
10	16QAM	25	0	21.43	21.39	21.38	21.42	21.30	22.3	2	
10	16QAM	25	12	21.66	21.53	21.76	21.71	21.72			
10	16QAM	25	25	21.63	21.66	21.79	21.73	21.76	22.3	2	
10	16QAM	50	0	21.48	21.64	21.80	21.43	21.44			
10	8QAM	1	0	21.60	21.36	21.70	21.43	21.49	22.3	2	
10	8QAM	1	25	21.66	21.66	21.66	21.52	21.64			
10	8QAM	1	49	21.59	21.55	21.67	21.51	21.29	21.3	3	
10	8QAM	25	0	20.46	20.45	20.65	20.49	20.42			
10	8QAM	25	12	20.46	20.47	20.78	20.60	20.63	21.3	3	
10	8QAM	25	25	20.63	20.49	20.54	20.78	20.77			
10	8QAM	50	0	20.64	20.37	20.76	20.66	20.58			
Channel				39675	40148	40620	41093	41545			
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.66	23.66	23.75	23.48	23.51	24.3	0	
5	QPSK	1	12	23.63	23.58	23.71	23.24	23.45			
5	QPSK	1	24	23.60	23.68	23.54	23.22	23.37	24.3	1	
5	QPSK	12	0	22.64	22.59	22.72	22.72	22.83			
5	QPSK	12	7	22.51	22.54	22.63	22.56	22.44	24.3	1	
5	QPSK	12	13	22.43	22.55	22.76	22.64	22.41			
5	QPSK	25	0	22.58	22.69	22.60	22.83	22.57	24.3	1	
5	16QAM	1	0	22.56	22.59	22.59	22.58	22.54			
5	16QAM	1	12	22.49	22.79	22.62	22.68	22.42	24.3	1	
5	16QAM	1	24	22.80	22.53	22.53	22.32	23.37			
5	16QAM	12	0	21.65	21.56	21.37	21.32	21.33	22.3	2	
5	16QAM	12	7	21.50	21.39	21.64	21.57	21.63			
5	16QAM	12	13	21.66	21.53	21.73	21.79	21.48	22.3	2	
5	16QAM	25	0	21.47	21.65	21.57	21.45	21.49			
5	8QAM	1	0	21.56	21.48	21.68	21.43	21.60	22.3	2	
5	8QAM	1	12	21.50	21.60	21.78	21.76	21.38			
5	8QAM	1	24	21.34	21.38	21.58	21.49	21.53	21.3	3	
5	8QAM	12	0	20.63	20.36	20.52	20.32	20.63			
5	8QAM	12	7	20.38	20.77	20.81	20.72	20.47	21.3	3	
5	8QAM	12	13	20.71	20.54	20.70	20.68	20.80			
5	8QAM	25	0	20.47	20.38	20.61	20.62	20.45			

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	12.55	12.65	12.55	13.5	0		
20	QPSK	1	49	12.54	12.64	12.52				
20	QPSK	1	99	12.51	12.55	12.53				
20	QPSK	50	0	12.57	12.63	12.61	13.5	0		
20	QPSK	50	24	12.53	12.59	12.46				
20	QPSK	50	50	12.52	12.56	12.41				
20	QPSK	100	0	12.41	12.50	12.38	13.5	0		
20	16QAM	1	0	12.62	12.57	12.44				
20	16QAM	1	49	12.47	12.58	12.43				
20	16QAM	1	99	12.45	12.52	12.39	13.5	0		
20	16QAM	50	0	12.44	12.59	12.62				
20	16QAM	50	24	12.53	12.48	12.50				
20	16QAM	50	50	12.58	12.54	12.39	13.5	0		
20	16QAM	100	0	12.53	12.55	12.49				
20	64QAM	1	0	12.45	12.57	12.54				
20	64QAM	1	49	12.46	12.54	12.49	13.5	0		
20	64QAM	1	99	12.47	12.56	12.52				
20	64QAM	50	0	12.39	12.49	12.37				
20	64QAM	50	24	12.53	12.58	12.63	13.5	0		
20	64QAM	50	50	12.58	12.54	12.56				
20	64QAM	100	0	12.40	12.51	12.52				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	12.54	12.55	12.51	13.5	0		
15	QPSK	1	37	12.52	12.61	12.42				
15	QPSK	1	74	12.39	12.48	12.48				
15	QPSK	36	0	12.55	12.57	12.51	13.5	0		
15	QPSK	36	20	12.49	12.50	12.42				
15	QPSK	36	39	12.43	12.51	12.34				
15	QPSK	75	0	12.29	12.46	12.28	13.5	0		
15	16QAM	1	0	12.52	12.47	12.34				
15	16QAM	1	37	12.44	12.55	12.37				
15	16QAM	1	74	12.33	12.44	12.30	13.5	0		
15	16QAM	36	0	12.38	12.53	12.60				
15	16QAM	36	20	12.47	12.40	12.44				
15	16QAM	36	39	12.48	12.46	12.27	13.5	0		
15	16QAM	75	0	12.49	12.47	12.45				
15	64QAM	1	0	12.35	12.53	12.45				
15	64QAM	1	37	12.42	12.50	12.46	13.5	0		
15	64QAM	1	74	12.36	12.49	12.42				
15	64QAM	36	0	12.36	12.45	12.25				
15	64QAM	36	20	12.48	12.55	12.56	13.5	0		
15	64QAM	36	39	12.54	12.46	12.48				
15	64QAM	75	0	12.33	12.39	12.49				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	12.56	12.58	12.43	13.5	0		
10	QPSK	1	25	12.49	12.59	12.42				
10	QPSK	1	49	12.44	12.46	12.45				
10	QPSK	25	0	12.46	12.53	12.53	13.5	0		
10	QPSK	25	12	12.50	12.47	12.39				
10	QPSK	25	25	12.48	12.53	12.33				
10	QPSK	50	0	12.29	12.48	12.28	13.5	0		
10	16QAM	1	0	12.53	12.49	12.35				
10	16QAM	1	25	12.41	12.56	12.31				
10	16QAM	1	49	12.38	12.40	12.30	13.5	0		
10	16QAM	25	0	12.34	12.50	12.57				
10	16QAM	25	12	12.43	12.45	12.47				
10	16QAM	25	25	12.49	12.43	12.30	13.5	0		
10	16QAM	50	0	12.47	12.43	12.37				
10	64QAM	1	0	12.40	12.52	12.47				
10	64QAM	1	25	12.39	12.43	12.40	13.5	0		
10	64QAM	1	49	12.35	12.44	12.47				
10	64QAM	25	0	12.34	12.38	12.29				
10	64QAM	25	12	12.43	12.46	12.61	13.5	0		
10	64QAM	25	25	12.55	12.48	12.47				
10	64QAM	50	0	12.34	12.49	12.41				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	12.42	12.61	12.47	13.5	0		
5	QPSK	1	12	12.45	12.58	12.42				
5	QPSK	1	24	12.45	12.44	12.42				
5	QPSK	12	0	12.52	12.61	12.58	13.5	0		
5	QPSK	12	7	12.44	12.48	12.38				
5	QPSK	12	13	12.41	12.45	12.39				
5	QPSK	25	0	12.30	12.48	12.33	13.5	0		
5	16QAM	1	0	12.59	12.52	12.36				
5	16QAM	1	12	12.41	12.46	12.36				
5	16QAM	1	24	12.40	12.45	12.28	13.5	0		
5	16QAM	12	0	12.40	12.50	12.59				
5	16QAM	12	7	12.42	12.36	12.38				
5	16QAM	12	13	12.52	12.52	12.27	13.5	0		
5	16QAM	25	0	12.43	12.48	12.40				
5	64QAM	1	0	12.41	12.51	12.51				
5	64QAM	1	12	12.40	12.46	12.46	13.5	0		
5	64QAM	1	24	12.35	12.51	12.54				
5	64QAM	12	0	12.36	12.47	12.35				
5	64QAM	12	7	12.45	12.56	12.54	13.5	0		
5	64QAM	12	13	12.52	12.42	12.53				
5	64QAM	25	0	12.37	12.40	12.50				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	12.46	12.57	12.45	13.5	0		
3	QPSK	1	8	12.45	12.56	12.49				
3	QPSK	1	14	12.41	12.49	12.43				
3	QPSK	8	0	12.45	12.55	12.54	13.5	0		
3	QPSK	8	4	12.51	12.50	12.43				
3	QPSK	8	7	12.50	12.48	12.34				
3	QPSK	15	0	12.30	12.44	12.34	13.5	0		
3	16QAM	1	0	12.54	12.45	12.37				
3	16QAM	1	8	12.44	12.56	12.33				
3	16QAM	1	14	12.41	12.41	12.35	13.5	0		
3	16QAM	8	0	12.32	12.56	12.60				
3	16QAM	8	4	12.51	12.46	12.45				
3	16QAM	8	7	12.53	12.50	12.37	13.5	0		
3	16QAM	15	0	12.41	12.51	12.38				
3	64QAM	1	0	12.39	12.46	12.51				
3	64QAM	1	8	12.35	12.43	12.45	13.5	0		
3	64QAM	1	14	12.36	12.54	12.44				
3	64QAM	8	0	12.32	12.39	12.25				
3	64QAM	8	4	12.48	12.52	12.53	13.5	0		
3	64QAM	8	7	12.50	12.45	12.52				
3	64QAM	15	0	12.33	12.42	12.48				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	12.49	12.61	12.46	13.5	0		
1.4	QPSK	1	3	12.44	12.59	12.41				
1.4	QPSK	1	5	12.43	12.53	12.47				
1.4	QPSK	3	0	12.48	12.55	12.59	13.5	0		
1.4	QPSK	3	1	12.43	12.47	12.40				
1.4	QPSK	3	3	12.46	12.50	12.36				
1.4	QPSK	6	0	12.29	12.46	12.34	13.5	0		
1.4	16QAM	1	0	12.51	12.48	12.37				
1.4	16QAM	1	3	12.37	12.53	12.40				
1.4	16QAM	1	5	12.43	12.45	12.35	13.5	0		
1.4	16QAM	3	0	12.39	12.57	12.50				
1.4	16QAM	3	1	12.42	12.48	12.40				
1.4	16QAM	3	3	12.49	12.47	12.28	13.5	0		
1.4	16QAM	6	0	12.50	12.45	12.39				
1.4	64QAM	1	0	12.36	12.53	12.48				
1.4	64QAM	1	3	12.38	12.43	12.47	13.5	0		
1.4	64QAM	1	5	12.41	12.53	12.43				
1.4	64QAM	3	0	12.37	12.40	12.35				
1.4	64QAM	3	1	12.41	12.46	12.52	13.5	0		
1.4	64QAM	3	3	12.48	12.44	12.50				
1.4	64QAM	6	0	12.35	12.40	12.48				

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	24.7	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.62	23.69	23.64	24.7	0	
10	QPSK	1	25	23.54	23.52	23.57			
10	QPSK	1	49	23.60	23.62	23.60			
10	QPSK	25	0	23.59	23.67	23.52			
10	QPSK	25	12	23.55	23.62	23.60			
10	QPSK	25	25	23.58	23.66	23.56	24.7	0	
10	QPSK	50	0	23.36	23.65	23.48			
10	16QAM	1	0	23.39	23.64	23.57			
10	16QAM	1	25	23.50	23.62	23.50			
10	16QAM	1	49	23.60	23.67	23.68			
10	16QAM	25	0	22.67	22.86	22.71	23.7	1	
10	16QAM	25	12	22.77	22.64	22.49			
10	16QAM	25	25	22.60	22.77	22.77			
10	16QAM	50	0	22.68	22.66	22.68			
10	64QAM	1	0	22.78	22.67	22.79			
10	64QAM	1	25	22.83	22.81	22.85	23.7	1	
10	64QAM	1	49	22.85	22.92	22.87			
10	64QAM	25	0	21.54	21.82	21.73			
10	64QAM	25	12	21.89	21.79	21.51			
10	64QAM	25	25	21.56	21.73	21.52			
10	64QAM	50	0	21.41	21.69	21.53	22.7	2	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	24.7	0	
5	QPSK	1	0	23.65	23.63	23.43			
5	QPSK	1	12	23.36	23.60	23.44	24.7	0	
5	QPSK	1	24	23.48	23.43	23.45			
5	QPSK	12	0	23.42	23.68	23.59			
5	QPSK	12	7	23.55	23.45	23.64			
5	QPSK	12	13	23.66	23.43	23.33			
5	QPSK	25	0	23.39	23.65	23.55	24.7	0	
5	16QAM	1	0	23.41	23.42	23.32			
5	16QAM	1	12	23.25	23.62	23.25			
5	16QAM	1	24	23.40	23.56	23.54			
5	16QAM	12	0	22.75	22.74	22.43			
5	16QAM	12	7	22.63	22.56	22.39	23.7	1	
5	16QAM	12	13	22.68	22.69	22.52			
5	16QAM	25	0	22.70	22.57	22.58			
5	64QAM	1	0	22.65	22.51	22.85			
5	64QAM	1	12	22.57	22.84	22.41			
5	64QAM	1	24	22.75	22.66	22.76	23.7	1	
5	64QAM	12	0	21.57	21.77	21.72			
5	64QAM	12	7	21.80	21.71	21.57			
5	64QAM	12	13	21.43	21.50	21.30			
5	64QAM	25	0	21.34	21.42	21.38			
Channel				20415	20525	20635	24.7	0	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.36	23.62	23.66	24.7	0	
3	QPSK	1	8	23.58	23.32	23.48			
3	QPSK	1	14	23.67	23.46	23.37			
3	QPSK	8	0	23.56	23.67	23.65			
3	QPSK	8	4	23.59	23.44	23.35			
3	QPSK	8	7	23.61	23.38	23.54	24.7	0	
3	QPSK	15	0	23.38	23.49	23.56			
3	16QAM	1	0	23.28	23.55	23.29			
3	16QAM	1	8	23.45	23.60	23.54			
3	16QAM	1	14	23.61	23.42	23.43			
3	16QAM	8	0	22.73	22.54	22.54	23.7	1	
3	16QAM	8	4	22.57	22.50	22.46			
3	16QAM	8	7	22.59	22.83	22.74			
3	16QAM	15	0	22.61	22.44	22.43			
3	64QAM	1	0	22.63	22.74	22.83			
3	64QAM	1	8	22.85	22.88	22.66	23.7	1	
3	64QAM	1	14	22.93	22.98	22.88			
3	64QAM	8	0	21.37	21.85	21.58			
3	64QAM	8	4	21.85	21.69	21.38			
3	64QAM	8	7	21.52	21.64	21.49			
3	64QAM	15	0	21.41	21.69	21.39	22.7	2	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	24.7	0	
1.4	QPSK	1	0	23.59	23.47	23.37			
1.4	QPSK	1	3	23.35	23.41	23.19	24.7	0	
1.4	QPSK	1	5	23.42	23.25	23.36			
1.4	QPSK	3	0	23.56	23.63	23.51			
1.4	QPSK	3	1	23.40	23.32	23.41			
1.4	QPSK	3	3	23.32	23.42	23.54			
1.4	QPSK	6	0	23.16	23.61	23.48	24.7	0	
1.4	16QAM	1	0	23.14	23.47	23.21			
1.4	16QAM	1	3	23.36	23.27	23.39			
1.4	16QAM	1	5	23.39	23.50	23.54			
1.4	16QAM	3	0	23.35	23.51	23.45			
1.4	16QAM	3	1	23.61	23.46	23.24	23.7	1	
1.4	16QAM	3	3	23.43	23.50	23.54			
1.4	16QAM	6	0	22.65	22.59	22.46			
1.4	64QAM	1	0	22.59	22.61	22.83			
1.4	64QAM	1	3	22.78	22.54	22.59			
1.4	64QAM	1	5	22.75	22.65	22.87	23.7	1	
1.4	64QAM	3	0	22.54	22.68	22.46			
1.4	64QAM	3	1	22.52	22.50	22.42			
1.4	64QAM	3	3	22.45	22.53	22.46			
1.4	64QAM	6	0	21.15	21.60	21.40			
1.4	64QAM	6	0	21.15	21.60	21.40	22.7	2	

Band 5_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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	20.22	20.27	20.19	21.5	0	
10	QPSK	1	25	20.18	20.26	20.18			
10	QPSK	1	49	20.15	20.16	20.14			
10	QPSK	25	0	20.16	20.20	20.19			
10	QPSK	25	12	20.08	20.20	20.14			
10	QPSK	25	25	20.14	20.17	20.15	21.5	0	
10	QPSK	50	0	19.97	20.14	20.04			
10	16QAM	1	0	20.19	20.22	20.23			
10	16QAM	1	25	20.09	20.25	20.14			
10	16QAM	1	49	20.08	20.23	20.16			
10	16QAM	25	0	20.06	20.10	20.03	21.5	0	
10	16QAM	25	12	20.20	20.18	20.18			
10	16QAM	25	25	20.10	20.17	20.07			
10	16QAM	50	0	20.02	20.13	20.01			
10	64QAM	1	0	20.21	20.25	20.15			
10	64QAM	1	25	20.11	20.23	20.06	21.5	0	
10	64QAM	1	49	20.13	20.21	20.05			
10	64QAM	25	0	20.10	20.13	20.04			
10	64QAM	25	12	20.23	20.24	20.20			
10	64QAM	25	25	20.08	20.20	20.15			
10	64QAM	50	0	19.98	20.13	19.98	21.5	0	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.07	20.24	20.17	21.5	0	
5	QPSK	1	12	20.16	20.17	20.06			
5	QPSK	1	24	20.13	20.07	20.06			
5	QPSK	12	0	20.09	20.16	20.15			
5	QPSK	12	7	19.96	20.08	20.05			
5	QPSK	12	13	20.04	20.05	20.07	21.5	0	
5	QPSK	25	0	19.95	20.02	19.93			
5	16QAM	1	0	20.13	20.15	20.11			
5	16QAM	1	12	20.06	20.16	20.06			
5	16QAM	1	24	19.98	20.21	20.13			
5	16QAM	12	0	19.98	19.98	19.93	21.5	0	
5	16QAM	12	7	20.14	20.06	20.16			
5	16QAM	12	13	20.00	20.10	20.00			
5	16QAM	25	0	19.93	20.10	19.86			
5	64QAM	1	0	20.17	20.16	20.03			
5	64QAM	1	12	20.08	20.20	20.01	21.5	0	
5	64QAM	1	24	20.09	20.10	20.01			
5	64QAM	12	0	20.00	20.06	19.96			
5	64QAM	12	7	20.18	20.15	20.15			
5	64QAM	12	13	19.99	20.08	20.11			
5	64QAM	25	0	19.87	20.10	19.86	21.5	0	
Channel				20415	20525	20635			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.13	20.24	20.13	21.5	0	
3	QPSK	1	8	20.09	20.18	20.15			
3	QPSK	1	14	20.06	20.11	20.04			
3	QPSK	8	0	20.09	20.13	20.08			
3	QPSK	8	4	20.01	20.08	20.11			
3	QPSK	8	7	20.08	20.09	20.07	21.5	0	
3	QPSK	15	0	19.89	20.05	19.92			
3	16QAM	1	0	20.13	20.16	20.11			
3	16QAM	1	8	20.01	20.22	20.11			
3	16QAM	1	14	20.05	20.15	20.06			
3	16QAM	8	0	20.00	19.98	19.94	21.5	0	
3	16QAM	8	4	20.13	20.10	20.14			
3	16QAM	8	7	20.08	20.11	19.95			
3	16QAM	15	0	19.91	20.09	19.99			
3	64QAM	1	0	20.15	20.16	20.03			
3	64QAM	1	8	20.01	20.21	20.02	21.5	0	
3	64QAM	1	14	20.07	20.14	19.95			
3	64QAM	8	0	20.05	20.05	20.02			
3	64QAM	8	4	20.17	20.15	20.09			
3	64QAM	8	7	20.03	20.10	20.12			
3	64QAM	15	0	19.93	20.05	19.89	21.5	0	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	20.19	20.15	20.15	21.5	0	
1.4	QPSK	1	3	20.07	20.16	20.12			
1.4	QPSK	1	5	20.07	20.12	20.09			
1.4	QPSK	3	0	20.09	20.17	20.12			
1.4	QPSK	3	1	20.02	20.09	20.03			
1.4	QPSK	3	3	20.03	20.07	20.03	21.5	0	
1.4	QPSK	6	0	19.89	20.10	20.00			
1.4	16QAM	1	0	20.08	20.13	20.16			
1.4	16QAM	1	3	20.06	20.21	20.09			
1.4	16QAM	1	5	19.97	20.19	20.05			
1.4	16QAM	3	0	20.00	20.08	19.95	21.5	0	
1.4	16QAM	3	1	20.16	20.16	20.12			
1.4	16QAM	3	3	20.00	20.05	20.04			
1.4	16QAM	6	0	19.95	20.01	19.99			
1.4	64QAM	1	0	20.15	20.18	20.09			
1.4	64QAM	1	3	20.08	20.12	19.98	21.5	0	
1.4	64QAM	1	5	20.07	20.14	20.02			
1.4	64QAM	3	0	20.06	20.13	20.03			
1.4	64QAM	3	1	20.15	20.21	20.08			
1.4	64QAM	3	3	20.03	20.06	20.12			
1.4	64QAM	6	0	19.89	20.05	19.91	21.5	0	
1.4	64QAM	6	0	19.89	20.05	19.92			

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	18.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.52	17.65	17.59			
20	QPSK	1	49	17.50	17.58	17.51			
20	QPSK	1	99	17.49	17.57	17.54	18.5	0	
20	QPSK	50	0	17.59	17.64	17.60			
20	QPSK	50	24	17.58	17.61	17.59			
20	QPSK	50	50	17.47	17.63	17.55			
20	QPSK	100	0	17.42	17.55	17.39	18.5	0	
20	16QAM	1	0	17.63	17.63	17.52			
20	16QAM	1	49	17.57	17.61	17.51			
20	16QAM	1	99	17.54	17.63	17.46			
20	16QAM	50	0	17.58	17.62	17.55	18.5	0	
20	16QAM	50	24	17.49	17.64	17.59			
20	16QAM	50	50	17.59	17.63	17.57			
20	16QAM	100	0	17.59	17.61	17.59			
20	64QAM	1	0	17.62	17.62	17.59	18.5	0	
20	64QAM	1	49	17.57	17.63	17.54			
20	64QAM	1	99	17.47	17.61	17.54			
20	64QAM	50	0	17.43	17.58	17.43			
20	64QAM	50	24	17.49	17.64	17.50	18.5	0	
20	64QAM	50	50	17.62	17.62	17.46			
20	64QAM	100	0	17.48	17.59	17.55			
Channel				20825	21100	21375	18.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.42	17.56	17.57			
15	QPSK	1	37	17.39	17.50	17.49			
15	QPSK	1	74	17.46	17.49	17.52	18.5	0	
15	QPSK	36	0	17.49	17.52	17.53			
15	QPSK	36	20	17.46	17.53	17.57			
15	QPSK	36	39	17.40	17.59	17.46			
15	QPSK	75	0	17.36	17.49	17.30	18.5	0	
15	16QAM	1	0	17.55	17.58	17.42			
15	16QAM	1	37	17.42	17.59	17.45			
15	16QAM	1	74	17.45	17.53	17.39			
15	16QAM	36	0	17.53	17.55	17.46	18.5	0	
15	16QAM	36	20	17.42	17.58	17.48			
15	16QAM	36	39	17.57	17.58	17.48			
15	16QAM	75	0	17.50	17.55	17.51			
15	64QAM	1	0	17.52	17.60	17.48	18.5	0	
15	64QAM	1	37	17.49	17.51	17.48			
15	64QAM	1	74	17.38	17.56	17.46			
15	64QAM	36	0	17.40	17.47	17.34			
15	64QAM	36	20	17.45	17.55	17.40	18.5	0	
15	64QAM	36	39	17.51	17.60	17.36			
15	64QAM	75	0	17.42	17.49	17.50			
Channel				20800	21100	21400	18.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.51	17.61	17.54			
10	QPSK	1	25	17.43	17.54	17.40			
10	QPSK	1	49	17.38	17.50	17.42	18.5	0	
10	QPSK	25	0	17.55	17.53	17.55			
10	QPSK	25	12	17.50	17.53	17.55			
10	QPSK	25	25	17.38	17.57	17.47			
10	QPSK	50	0	17.34	17.43	17.35	18.5	0	
10	16QAM	1	0	17.60	17.52	17.40			
10	16QAM	1	25	17.46	17.55	17.42			
10	16QAM	1	49	17.46	17.51	17.41			
10	16QAM	25	0	17.55	17.59	17.46	18.5	0	
10	16QAM	25	12	17.37	17.56	17.52			
10	16QAM	25	25	17.51	17.61	17.47			
10	16QAM	50	0	17.53	17.59	17.51			
10	64QAM	1	0	17.51	17.51	17.51	18.5	0	
10	64QAM	1	25	17.51	17.51	17.50			
10	64QAM	1	49	17.38	17.36	17.43			
10	64QAM	25	0	17.36	17.51	17.41			
10	64QAM	25	12	17.41	17.60	17.47	18.5	0	
10	64QAM	25	25	17.52	17.55	17.44			
10	64QAM	50	0	17.43	17.53	17.50			
Channel				20775	21100	21425	18.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.53	17.56	17.48			
5	QPSK	1	12	17.44	17.56	17.48			
5	QPSK	1	24	17.38	17.52	17.46	18.5	0	
5	QPSK	12	0	17.49	17.62	17.58			
5	QPSK	12	7	17.54	17.50	17.51			
5	QPSK	12	13	17.41	17.51	17.47			
5	QPSK	25	0	17.38	17.46	17.32	18.5	0	
5	16QAM	1	0	17.53	17.54	17.45			
5	16QAM	1	12	17.42	17.52	17.49			
5	16QAM	1	24	17.43	17.24	17.37			
5	16QAM	12	0	17.51	17.60	17.48	18.5	0	
5	16QAM	12	7	17.46	17.54	17.49			
5	16QAM	12	13	17.57	17.57	17.55			
5	16QAM	25	0	17.50	17.51	17.46			
5	64QAM	1	0	17.60	17.53	17.57	18.5	0	
5	64QAM	1	12	17.53	17.59	17.50			
5	64QAM	1	24	17.35	17.57	17.42			
5	64QAM	12	0	17.35	17.53	17.40			
5	64QAM	12	7	17.38	17.59	17.43	18.5	0	
5	64QAM	12	13	17.55	17.52	17.37			
5	64QAM	25	0	17.46	17.55	17.49			

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	18.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.96	17.11	16.93			
20	QPSK	1	49	16.92	17.06	16.92			
20	QPSK	1	99	16.93	16.97	16.90	18.5	0	
20	QPSK	50	0	17.00	17.09	17.01			
20	QPSK	50	24	16.94	17.02	16.94			
20	QPSK	50	50	16.98	17.04	16.89			
20	QPSK	100	0	16.96	17.10	16.95	18.5	0	
20	16QAM	1	0	16.98	17.08	17.05			
20	16QAM	1	49	17.04	17.07	17.05			
20	16QAM	1	99	17.06	17.05	17.04			
20	16QAM	50	0	17.07	17.08	16.93	18.5	0	
20	16QAM	50	24	16.97	17.02	16.90			
20	16QAM	50	50	16.91	17.00	17.04			
20	16QAM	100	0	16.94	17.04	16.95			
20	64QAM	1	0	17.05	17.08	16.94	18.5	0	
20	64QAM	1	49	17.09	17.10	17.02			
20	64QAM	1	99	17.10	17.09	16.95			
20	64QAM	50	0	17.07	17.05	17.03			
20	64QAM	50	24	17.09	17.06	17.00	18.5	0	
20	64QAM	50	50	17.02	17.04	16.96			
20	64QAM	100	0	17.09	17.05	17.05			
Channel				20825	21100	21375	18.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.82	16.99	16.82			
15	QPSK	1	37	16.80	16.95	16.85			
15	QPSK	1	74	16.89	16.91	16.84	18.5	0	
15	QPSK	36	0	16.98	17.02	16.89			
15	QPSK	36	20	16.85	16.99	16.87			
15	QPSK	36	39	16.93	16.96	16.83			
15	QPSK	75	0	16.91	16.98	16.87	18.5	0	
15	16QAM	1	0	16.96	17.04	16.96			
15	16QAM	1	37	16.92	17.02	17.02			
15	16QAM	1	74	16.97	16.93	16.97	18.5	0	
15	16QAM	36	0	17.03	16.96	16.90			
15	16QAM	36	20	16.94	16.90	16.81			
15	16QAM	36	39	16.80	16.86	16.86			
15	16QAM	75	0	16.91	17.02	16.99	18.5	0	
15	64QAM	1	0	16.95	17.02	16.92			
15	64QAM	1	37	17.03	17.01	16.93			
15	64QAM	1	74	17.04	16.99	16.90	18.5	0	
15	64QAM	36	0	16.96	17.03	16.95			
15	64QAM	36	20	16.99	16.95	16.95			
15	64QAM	36	39	16.99	17.00	16.92			
15	64QAM	75	0	17.01	16.95	16.96	18.5	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.92	17.03	16.97			
10	QPSK	1	25	16.81	16.97	16.83	18.5	0	
10	QPSK	1	49	16.82	16.91	16.87			
10	QPSK	25	0	16.95	16.98	16.93			
10	QPSK	25	12	16.86	16.97	16.86			
10	QPSK	25	25	16.96	17.01	16.79	18.5	0	
10	QPSK	50	0	16.94	17.05	16.88			
10	16QAM	1	0	16.95	17.02	17.01			
10	16QAM	1	25	16.96	17.03	17.00			
10	16QAM	1	49	16.95	17.03	16.99	18.5	0	
10	16QAM	25	0	17.00	17.02	16.81			
10	16QAM	25	12	16.85	16.96	16.83			
10	16QAM	25	25	16.86	16.93	16.95			
10	16QAM	50	0	16.91	16.96	16.88	18.5	0	
10	64QAM	1	0	17.03	17.05	16.89			
10	64QAM	1	25	17.06	17.02	16.94			
10	64QAM	1	49	17.00	17.00	16.97			
10	64QAM	25	0	17.00	16.94	17.01	18.5	0	
10	64QAM	25	12	17.05	16.98	16.92			
10	64QAM	25	25	16.97	16.93	16.83			
10	64QAM	50	0	17.03	17.00	17.00			
Channel				20775	21100	21425	18.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.83	17.04	16.86			
5	QPSK	1	12	16.88	16.98	16.81			
5	QPSK	1	24	16.89	16.95	16.80	18.5	0	
5	QPSK	12	0	16.92	17.02	16.91			
5	QPSK	12	7	16.89	16.93	16.89			
5	QPSK	12	13	16.92	16.92	16.80			
5	QPSK	25	0	16.89	17.02	16.92	18.5	0	
5	16QAM	1	0	16.95	17.03	16.95			
5	16QAM	1	12	16.94	17.01	16.93			
5	16QAM	1	24	16.96	16.95	16.81			
5	16QAM	12	0	16.98	16.97	16.90	18.5	0	
5	16QAM	12	7	16.85	16.93	16.81			
5	16QAM	12	13	16.88	16.92	16.96			
5	16QAM	25	0	16.87	16.96	16.92			
5	64QAM	1	0	17.00	17.04	16.91	18.5	0	
5	64QAM	1	12	17.05	17.00	17.00			
5	64QAM	1	24	17.07	17.06	16.91			
5	64QAM	12	0	17.02	17.03	16.91			
5	64QAM	12	7	17.01	16.98	16.94	18.5	0	
5	64QAM	12	13	16.91	16.93	16.87			
5	64QAM	25	0	16.97	16.94	16.89			

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	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.46	24.51	24.45			
10	QPSK	1	25	24.40	24.41	24.43			
10	QPSK	1	49	24.33	24.35	24.35	24.5	1	
10	QPSK	25	0	23.43	23.53	23.95			
10	QPSK	25	12	23.33	23.37	23.33			
10	QPSK	25	25	23.31	23.42	23.37			
10	QPSK	50	0	23.42	23.50	23.37	24.5	1	
10	16QAM	1	0	23.52	23.60	23.54			
10	16QAM	1	25	23.37	23.50	23.46			
10	16QAM	1	49	23.52	23.61	23.47			
10	16QAM	25	0	22.46	22.55	22.44	23.5	2	
10	16QAM	25	12	22.41	22.41	22.28			
10	16QAM	25	25	22.41	22.43	22.31			
10	16QAM	50	0	22.40	22.49	22.42			
10	64QAM	1	0	22.35	22.48	22.34	23.5	2	
10	64QAM	1	25	22.52	22.56	22.55			
10	64QAM	1	49	22.40	22.41	22.41			
10	64QAM	25	0	21.51	21.56	21.43			
10	64QAM	25	12	21.29	21.42	21.29	22.5	3	
10	64QAM	25	25	21.30	21.40	21.40			
10	64QAM	50	0	21.31	21.46	21.34			
Channel				23035	23095	23155	25.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.28	24.47	24.29			
5	QPSK	1	12	24.14	24.27	24.46			
5	QPSK	1	24	24.05	24.34	24.34	24.5	1	
5	QPSK	12	0	23.16	23.25	23.38			
5	QPSK	12	7	23.10	23.20	23.38			
5	QPSK	12	13	23.22	23.28	23.43			
5	QPSK	25	0	23.35	23.24	23.34	24.5	1	
5	16QAM	1	0	23.26	23.43	23.35			
5	16QAM	1	12	23.09	23.35	23.23			
5	16QAM	1	24	23.51	23.38	23.48			
5	16QAM	12	0	22.44	22.28	22.20	23.5	2	
5	16QAM	12	7	22.19	22.45	22.36			
5	16QAM	12	13	22.40	22.50	22.18			
5	16QAM	25	0	22.36	22.27	22.17			
5	64QAM	1	0	22.28	22.23	22.33	23.5	2	
5	64QAM	1	12	22.25	22.45	22.62			
5	64QAM	1	24	22.35	22.31	22.41			
5	64QAM	12	0	21.39	21.43	21.29			
5	64QAM	12	7	21.37	21.35	21.08	22.5	3	
5	64QAM	12	13	21.30	21.25	21.39			
5	64QAM	25	0	21.39	21.41	21.33			
Channel				23025	23095	23165	25.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.48	24.48	24.40			
3	QPSK	1	8	24.38	24.42	24.49			
3	QPSK	1	14	24.36	24.19	24.17	24.5	1	
3	QPSK	8	0	23.21	23.30	23.26			
3	QPSK	8	4	23.11	23.26	23.07			
3	QPSK	8	7	23.09	23.15	23.41			
3	QPSK	15	0	23.35	23.24	23.24	24.5	1	
3	16QAM	1	0	23.42	23.50	23.51			
3	16QAM	1	8	23.25	23.56	23.54			
3	16QAM	1	14	23.50	23.53	23.42			
3	16QAM	8	0	22.23	22.33	22.36	23.5	2	
3	16QAM	8	4	22.19	22.30	22.19			
3	16QAM	8	7	22.28	22.46	22.28			
3	16QAM	15	0	22.41	22.24	22.40			
3	64QAM	1	0	22.15	22.34	22.09	23.5	2	
3	64QAM	1	8	22.35	22.58	22.48			
3	64QAM	1	14	22.31	22.15	22.47			
3	64QAM	8	0	21.51	21.41	21.22			
3	64QAM	8	4	21.27	21.35	21.30	22.5	3	
3	64QAM	8	7	21.31	21.44	21.23			
3	64QAM	15	0	21.04	21.50	21.28			
Channel				23017	23095	23173	25.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.45	24.47	24.45			
1.4	QPSK	1	3	24.34	24.44	24.32			
1.4	QPSK	1	5	24.30	24.22	24.30	24.5	1	
1.4	QPSK	3	0	24.32	24.32	24.10			
1.4	QPSK	3	1	24.14	24.24	24.16			
1.4	QPSK	3	3	24.04	24.13	24.30			
1.4	QPSK	6	0	23.26	23.43	23.23	24.5	1	
1.4	16QAM	1	0	23.38	23.51	23.36			
1.4	16QAM	1	3	23.44	23.54	23.41			
1.4	16QAM	1	5	23.58	23.55	23.19			
1.4	16QAM	3	0	23.29	23.37	23.09	23.5	2	
1.4	16QAM	3	1	23.32	23.35	23.22			
1.4	16QAM	3	3	23.11	23.41	23.18			
1.4	16QAM	6	0	22.19	22.49	22.39			
1.4	64QAM	1	0	22.19	22.50	22.40	23.5	2	
1.4	64QAM	1	3	22.47	22.43	22.30			
1.4	64QAM	1	5	22.21	22.19	22.24			
1.4	64QAM	3	0	22.46	22.46	22.06			
1.4	64QAM	3	1	22.05	22.30	22.25	22.5	3	
1.4	64QAM	3	3	22.24	22.29	22.19			
1.4	64QAM	6	0	21.04	21.20	21.08			

Band 12_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				23060	23095	23130	23.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.29	22.30	22.28			
10	QPSK	1	25	22.15	22.29	22.23			
10	QPSK	1	49	22.22	22.27	22.15	23.5	0	
10	QPSK	25	0	22.27	22.28	22.27			
10	QPSK	25	12	22.17	22.25	22.23			
10	QPSK	25	25	22.19	22.27	22.25			
10	QPSK	50	0	22.27	22.26	22.23	23.5	0	
10	16QAM	1	0	22.19	22.28	22.20			
10	16QAM	1	25	22.20	22.27	22.17			
10	16QAM	1	49	22.18	22.24	22.27			
10	16QAM	25	0	21.77	21.78	21.78	23	0.5	
10	16QAM	25	12	21.72	21.76	21.62			
10	16QAM	25	25	21.63	21.79	21.66			
10	16QAM	50	0	21.59	21.76	21.65			
10	64QAM	1	0	21.74	21.77	21.73	23	0.5	
10	64QAM	1	25	21.70	21.87	21.71			
10	64QAM	1	49	21.76	21.78	21.65			
10	64QAM	25	0	20.74	20.76	20.60			
10	64QAM	25	12	20.59	20.75	20.65	22	1.5	
10	64QAM	25	25	20.78	20.78	20.64			
10	64QAM	50	0	20.65	20.77	20.69			
Channel				23035	23095	23155	23.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.15	22.25	22.26			
5	QPSK	1	12	22.09	22.27	22.17			
5	QPSK	1	24	22.17	22.17	22.06	23.5	0	
5	QPSK	12	0	22.17	22.18	22.23			
5	QPSK	12	7	22.14	22.19	22.17			
5	QPSK	12	13	22.07	22.21	22.20			
5	QPSK	25	0	22.23	22.26	22.14	23.5	0	
5	16QAM	1	0	22.13	22.19	22.13			
5	16QAM	1	12	22.17	22.25	22.14			
5	16QAM	1	24	22.09	22.19	22.17	23	0.5	
5	16QAM	12	0	21.70	21.69	21.70			
5	16QAM	12	7	21.68	21.74	21.52			
5	16QAM	12	13	21.59	21.72	21.59			
5	16QAM	25	0	21.56	21.73	21.59	23	0.5	
5	64QAM	1	0	21.62	21.65	21.65			
5	64QAM	1	12	21.60	21.84	21.68			
5	64QAM	1	24	21.74	21.72	21.63			
5	64QAM	12	0	20.68	20.65	20.58	22	1.5	
5	64QAM	12	7	20.47	20.64	20.55			
5	64QAM	12	13	20.68	20.73	20.53			
5	64QAM	25	0	20.59	20.72	20.65			
Channel				23025	23095	23165	23.5	0	
Frequency (MHz)				702.5	707.5	712.5			
3	QPSK	1	0	22.16	22.23	22.24			
3	QPSK	1	8	22.10	22.17	22.20			
3	QPSK	1	14	22.17	22.22	22.21	23.5	0	
3	QPSK	8	0	22.17	22.21	22.20			
3	QPSK	8	4	22.10	22.20	22.16			
3	QPSK	8	7	22.17	22.25	22.13			
3	QPSK	15	0	22.18	22.16	22.20	23.5	0	
3	16QAM	1	0	22.12	22.21	22.20			
3	16QAM	1	8	22.15	22.22	22.09			
3	16QAM	1	14	22.16	22.15	22.11			
3	16QAM	8	0	21.75	21.69	21.75	23	0.5	
3	16QAM	8	4	21.69	21.71	21.58			
3	16QAM	8	0	21.62	21.73	21.61			
3	16QAM	15	0	21.50	21.73	21.63			
3	64QAM	1	0	21.68	21.70	21.67	23	0.5	
3	64QAM	1	8	21.64	21.71	21.68			
3	64QAM	1	14	21.65	21.75	21.56			
3	64QAM	8	0	20.67	20.65	20.55			
3	64QAM	8	4	20.52	20.73	20.58	22	1.5	
3	64QAM	8	7	20.76	20.70	20.59			
3	64QAM	15	0	20.57	20.69	20.61			
Channel				23017	23095	23173	23.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.14	22.19	22.21			
1.4	QPSK	1	3	22.06	22.18	22.20			
1.4	QPSK	1	6	22.14	22.18	22.13	23.5	0	
1.4	QPSK	3	0	22.16	22.18	22.15			
1.4	QPSK	3	1	22.06	22.17	22.19			
1.4	QPSK	3	3	22.10	22.19	22.19			
1.4	QPSK	6	0	22.19	22.19	22.12	23.5	0	
1.4	16QAM	1	3	22.16	22.25	22.16			
1.4	16QAM	1	3	22.16	22.18	22.05			
1.4	16QAM	1	6	22.08	22.16	22.20			
1.4	16QAM	3	0	22.03	22.20	22.09	23.5	0	
1.4	16QAM	3	1	22.04	22.11	22.03			
1.4	16QAM	3	3	22.02	22.03	22.17			
1.4	16QAM	6	0	21.51	21.70	21.62			
1.4	64QAM	1	0	21.62	21.74	21.70	23	0.5	
1.4	64QAM	1	3	21.65	21.84	21.60			
1.4	64QAM	1	6	21.74	21.67	21.56			
1.4	64QAM	3	0	21.60	21.62	21.59			
1.4	64QAM	3	1	21.56	21.78	21.50	23	0.5	
1.4	64QAM	3	3	21.65	21.63	21.47			
1.4	64QAM	6	0	20.63	20.68	20.61			
1.4	64QAM	6	0	20.63	20.68	20.61	22	1.5	

Band 66_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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.46	23.48	23.38	25.2	0	
20	QPSK	1	49	23.42	23.41	23.32			
20	QPSK	1	99	23.40	23.38	23.35			
20	QPSK	50	0	22.43	22.46	22.42	24.2	1	
20	QPSK	50	24	22.33	22.44	22.39			
20	QPSK	50	50	22.40	22.37	22.28			
20	QPSK	100	0	22.41	22.43	22.28	24.2	1	
20	16QAM	1	0	22.45	22.45	22.28			
20	16QAM	1	49	22.53	22.46	22.22			
20	16QAM	1	99	22.34	22.37	22.20	23.2	2	
20	16QAM	50	0	21.53	21.45	21.29			
20	16QAM	50	24	21.29	21.31	21.20			
20	16QAM	50	50	21.40	21.34	21.23	23.2	2	
20	16QAM	100	0	21.33	21.44	21.50			
20	64QAM	1	0	21.28	21.39	21.28			
20	64QAM	1	49	21.34	21.41	21.33	22.2	3	
20	64QAM	1	99	21.39	21.31	21.28			
20	64QAM	50	0	20.24	20.42	20.46			
20	64QAM	50	24	20.22	20.36	20.31	22.2	3	
20	64QAM	50	50	20.23	20.34	20.20			
20	64QAM	100	0	20.25	20.37	20.20			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.23	23.27	23.39	25.2	0	
15	QPSK	1	37	23.38	23.39	23.23			
15	QPSK	1	74	23.22	23.23	23.43			
15	QPSK	36	0	22.51	22.43	22.29	24.2	1	
15	QPSK	36	20	22.39	22.49	22.20			
15	QPSK	36	39	22.26	22.28	22.28			
15	QPSK	75	0	22.44	22.49	22.36	24.2	1	
15	16QAM	1	0	22.49	22.25	22.29			
15	16QAM	1	37	22.46	22.38	22.25			
15	16QAM	1	74	22.26	22.38	22.20	23.2	2	
15	16QAM	36	0	21.44	21.33	21.23			
15	16QAM	36	20	21.28	21.38	21.27			
15	16QAM	36	39	21.35	21.28	21.35	23.2	2	
15	16QAM	75	0	21.37	21.35	21.38			
15	64QAM	1	0	21.27	21.39	21.20			
15	64QAM	1	37	21.32	21.35	21.23	22.2	3	
15	64QAM	1	74	21.47	21.34	21.31			
15	64QAM	36	0	20.21	20.50	20.53			
15	64QAM	36	20	20.26	20.21	20.31	22.2	3	
15	64QAM	36	39	20.20	20.27	20.24			
15	64QAM	75	0	20.24	20.31	20.22			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.26	23.30	23.24	25.2	0	
10	QPSK	1	25	23.34	23.27	23.29			
10	QPSK	1	49	23.29	23.35	23.28			
10	QPSK	25	0	22.45	22.31	22.45	24.2	1	
10	QPSK	25	12	22.29	22.45	22.23			
10	QPSK	25	25	22.23	22.27	22.25			
10	QPSK	50	0	22.31	22.37	22.23	24.2	1	
10	16QAM	1	0	22.37	22.41	22.28			
10	16QAM	1	25	22.35	22.52	22.24			
10	16QAM	1	49	22.25	22.40	22.21	23.2	2	
10	16QAM	25	0	21.40	21.43	21.34			
10	16QAM	25	12	21.24	21.39	21.28			
10	16QAM	25	25	21.37	21.37	21.23	23.2	2	
10	16QAM	50	0	21.33	21.31	21.52			
10	64QAM	1	0	21.21	21.27	21.25			
10	64QAM	1	25	21.28	21.48	21.23	22.2	3	
10	64QAM	1	49	21.22	21.25	21.21			
10	64QAM	25	0	20.22	20.36	20.28			
10	64QAM	25	12	20.21	20.42	20.23	22.2	3	
10	64QAM	25	25	20.24	20.29	20.25			
10	64QAM	50	0	20.29	20.21	20.21			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.47	23.42	23.41	25.2	0	
5	QPSK	1	12	23.22	23.38	23.27			
5	QPSK	1	24	23.23	23.23	23.34			
5	QPSK	12	0	22.20	22.28	22.47	24.2	1	
5	QPSK	12	7	22.22	22.23	22.22			
5	QPSK	12	13	22.33	22.22	22.26			
5	QPSK	25	0	22.23	22.36	22.32	24.2	1	
5	16QAM	1	0	22.44	22.28	22.27			
5	16QAM	1	12	22.36	22.54	22.23			
5	16QAM	1	24	22.36	22.24	22.26	23.2	2	
5	16QAM	12	0	21.44	21.26	21.26			
5	16QAM	12	7	21.20	21.21	21.22			
5	16QAM	12	13	21.39	21.33	21.21	23.2	2	
5	16QAM	25	0	21.26	21.44	21.54			
5	64QAM	1	0	21.27	21.28	21.35			
5	64QAM	1	12	21.40	21.29	21.20	23.2	2	
5	64QAM	1	24	21.28	21.28	21.26			
5	64QAM	12	0	20.23	20.50	20.37			
5	64QAM	12	7	20.20	20.24	20.26	22.2	3	
5	64QAM	12	13	20.26	20.28	20.22			
5	64QAM	25	0	20.27	20.41	20.25			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.47	23.39	23.27	25.2	0	
3	QPSK	1	8	23.22	23.29	23.31			
3	QPSK	1	14	23.38	23.29	23.27			
3	QPSK	8	0	22.36	22.28	22.27	24.2	1	
3	QPSK	8	4	22.25	22.49	22.25			
3	QPSK	15	0	22.26	22.29	22.24			
3	16QAM	1	0	22.46	22.49	22.30	24.2	1	
3	16QAM	1	8	22.28	22.20	22.27			
3	16QAM	1	14	22.29	22.44	22.26			
3	16QAM	8	0	21.30	21.33	21.28	23.2	2	
3	16QAM	8	4	21.31	21.24	21.21			
3	16QAM	15	0	21.27	21.23	21.24			
3	64QAM	1	0	21.24	21.41	21.24	23.2	2	
3	64QAM	1	8	21.28	21.23	21.32			
3	64QAM	1	14	21.46	21.31	21.23			
3	64QAM	8	0	20.28	20.46	20.25	22.2	3	
3	64QAM	8	4	20.20	20.35	20.23			
3	64QAM	15	0	20.29	20.42	20.23			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.35	23.26	23.28	25.2	0	
1.4	QPSK	1	3	23.45	23.34	23.39			
1.4	QPSK	1	5	23.33	23.32	23.28			
1.4	QPSK	3	0	23.27	23.38	23.25	24.2	1	
1.4	QPSK	3	1	23.22	23.20	23.24			
1.4	QPSK	3	3	23.26	23.35	23.27			
1.4	QPSK	6	0	22.30	22.27	22.26	24.2	1	
1.4	16QAM	1	0	22.25	22.41	22.24			
1.4	16QAM	1	3	22.61	22.35	22.25			
1.4	16QAM	1	5	22.41	22.26	22.29	24.2	1	
1.4	16QAM	3	0	22.50	22.28	22.25			
1.4	16QAM	3	1	22.25	22.29	22.28			
1.4	16QAM	3	3	22.33	22.28	22.29	23.2	2	
1.4	16QAM	6	0	21.23	21.29	21.48			
1.4	64QAM	1	0	21.25	21.27	21.32			
1.4	64QAM	1	3	21.25	21.43	21.32	23.2	2	
1.4	64QAM	1	5	21.27	21.33	21.26			
1.4	64QAM	3	0	21.23	21.29	21.35			
1.4	64QAM	3	1	21.28	21.24	21.28	22.2	3	
1.4	64QAM	3	3	21.35	21.29	21.21			
1.4	64QAM	6	0	20.29	20.21	20.27			

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	19.91	19.94	19.72	20.7	0	
20	QPSK	1	49	19.80	19.82	19.71			
20	QPSK	1	99	19.61	19.73	19.70			
20	QPSK	50	0	19.81	19.93	19.95	20.7	0	
20	QPSK	50	24	19.68	19.81	19.68			
20	QPSK	50	50	19.79	19.90	19.81			
20	QPSK	100	0	19.89	19.91	19.87	20.7	0	
20	16QAM	1	0	19.75	19.84	19.71			
20	16QAM	1	49	19.84	19.86	19.85			
20	16QAM	1	99	19.82	19.83	19.71	20.7	0	
20	16QAM	50	0	19.74	19.87	19.87			
20	16QAM	50	24	19.66	19.76	19.75			
20	16QAM	50	50	19.79	19.81	19.76	20.7	0	
20	16QAM	100	0	19.68	19.80	19.76			
20	64QAM	1	0	19.55	19.83	19.74			
20	64QAM	1	49	19.92	19.88	19.82	20.7	0	
20	64QAM	1	99	19.77	19.83	19.82			
20	64QAM	50	0	19.86	19.87	19.92			
20	64QAM	50	24	19.59	19.75	19.77	20.7	0	
20	64QAM	50	50	19.84	19.78	19.50			
20	64QAM	100	0	19.85	19.85	19.87			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.67	19.67	19.69	20.7	0	
15	QPSK	1	37	19.76	19.82	19.58			
15	QPSK	1	74	19.52	19.65	19.60			
15	QPSK	36	0	19.74	19.90	19.79	20.7	0	
15	QPSK	36	20	19.55	19.69	19.67			
15	QPSK	36	39	19.66	19.87	19.77			
15	QPSK	75	0	19.87	19.81	19.87	20.7	0	
15	16QAM	1	0	19.64	19.81	19.70			
15	16QAM	1	37	19.77	19.80	19.74			
15	16QAM	1	74	19.70	19.83	19.67	20.7	0	
15	16QAM	36	0	19.72	19.78	19.80			
15	16QAM	36	20	19.64	19.78	19.62			
15	16QAM	36	39	19.72	19.72	19.69	20.7	0	
15	16QAM	75	0	19.66	19.78	19.70			
15	64QAM	1	0	19.40	19.66	19.67			
15	64QAM	1	37	19.68	19.90	19.60	20.7	0	
15	64QAM	1	74	19.72	19.81	19.87			
15	64QAM	36	0	19.78	19.82	19.81			
15	64QAM	36	20	19.41	19.48	19.67	20.7	0	
15	64QAM	36	39	19.89	19.52	19.24			
15	64QAM	75	0	19.74	19.76	19.85			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	19.70	19.87	19.51	20.7	0	
10	QPSK	1	25	19.68	19.79	19.59			
10	QPSK	1	49	19.57	19.85	19.82			
10	QPSK	25	0	19.76	19.81	19.80	20.7	0	
10	QPSK	25	12	19.67	19.75	19.62			
10	QPSK	25	25	19.71	19.81	19.73			
10	QPSK	50	0	19.77	19.87	19.76	20.7	0	
10	16QAM	1	0	19.64	19.84	19.63			
10	16QAM	1	25	19.75	19.76	19.76			
10	16QAM	1	49	19.69	19.78	19.66	20.7	0	
10	16QAM	25	0	19.74	19.84	19.77			
10	16QAM	25	12	19.64	19.77	19.66			
10	16QAM	25	25	19.79	19.72	19.67	20.7	0	
10	16QAM	50	0	19.55	19.80	19.72			
10	64QAM	1	0	19.51	19.66	19.50			
10	64QAM	1	25	19.71	19.84	19.72	20.7	0	
10	64QAM	1	49	19.56	19.87	19.85			
10	64QAM	25	0	19.67	19.85	19.89			
10	64QAM	25	12	19.63	19.69	19.84	20.7	0	
10	64QAM	25	25	19.76	19.74	19.23			
10	64QAM	50	0	19.70	19.88	19.74			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.89	19.74	19.63	20.7	0	
5	QPSK	1	12	19.67	19.74	19.67			
5	QPSK	1	24	19.49	19.64	19.69			
5	QPSK	12	0	19.71	19.88	19.85	20.7	0	
5	QPSK	12	7	19.55	19.71	19.57			
5	QPSK	12	13	19.67	19.82	19.78			
5	QPSK	25	0	19.78	19.79	19.80	20.7	0	
5	16QAM	1	0	19.72	19.72	19.61			
5	16QAM	1	12	19.84	19.74	19.63			
5	16QAM	1	24	19.79	19.77	19.66	20.7	0	
5	16QAM	12	0	19.67	19.80	19.75			
5	16QAM	12	7	19.62	19.75	19.63			
5	16QAM	12	13	19.78	19.68	19.70	20.7	0	
5	16QAM	25	0	19.82	19.78	19.66			
5	64QAM	1	0	19.29	19.70	19.66			
5	64QAM	1	12	19.88	19.61	19.64	20.7	0	
5	64QAM	1	24	19.75	19.63	19.71			
5	64QAM	12	0	19.81	19.76	19.81			
5	64QAM	12	7	19.42	19.69	19.59	20.7	0	
5	64QAM	12	13	19.72	19.61	19.28			
5	64QAM	25	0	19.72	19.92	19.78			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	19.90	19.69	19.63	20.7	0	
3	QPSK	1	8	19.63	19.73	19.62			
3	QPSK	1	14	19.58	19.69	19.64			
3	QPSK	8	0	19.71	19.86	19.81	20.7	0	
3	QPSK	8	4	19.62	19.79	19.64			
3	QPSK	8	7	19.68	19.87	19.69			
3	QPSK	15	0	19.76	19.90	19.79	20.7	0	
3	16QAM	1	0	19.64	19.75	19.71			
3	16QAM	1	8	19.74	19.63	19.78			
3	16QAM	1	14	19.70	19.73	19.58	20.7	0	
3	16QAM	8	0	19.74	19.75	19.82			
3	16QAM	8	4	19.59	19.79	19.73			
3	16QAM	8	7	19.66	19.75	19.73	20.7	0	
3	16QAM	15	0	19.65	19.75	19.64			
3	64QAM	1	0	19.53	19.88	19.61			
3	64QAM	1	8	19.64	19.81	19.54	20.7	0	
3	64QAM	1	14	19.59	19.89	19.80			
3	64QAM	8	0	19.75	19.80	19.85			
3	64QAM	8	4	19.33	19.66	19.59	20.7	0	
3	64QAM	8	7	19.80	19.69	19.28			
3	64QAM	15	0	19.80	19.85	19.73			
Channel				131979	132322	132695	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	19.78	19.68	19.75	20.7	0	
1.4	QPSK	1	3	19.70	19.75	19.65			
1.4	QPSK	1	5	19.57	19.83	19.85			
1.4	QPSK	3	0	19.68	19.81	19.85	20.7	0	
1.4	QPSK	3	1	19.59	19.81	19.56			
1.4	QPSK	3	3	19.72	19.83	19.79			
1.4	QPSK	6	0	19.80	19.87	19.76	20.7	0	
1.4	16QAM	1	0	19.68	19.71	19.68			
1.4	16QAM	1	3	19.75	19.82	19.81			
1.4	16QAM	1	5	19.74	19.82	19.89	20.7	0	
1.4	16QAM	3	0	19.62	19.81	19.82			
1.4	16QAM	3	1	19.68	19.76	19.74			
1.4	16QAM	3	3	19.72	19.70	19.75	20.7	0	
1.4	16QAM	6	0	19.60	19.73	19.69			
1.4	16QAM	6	1	19.32	19.83	19.77			
1.4	64QAM	1	0	19.86	19.66	19.55	20.7	0	
1.4	64QAM	1	5	19.64	19.91	19.71			
1.4	64QAM	3	0	19.69	19.81	19.82			
1.4	64QAM	3	1	19.40	19.72	19.52	20.7	0	
1.4	64QAM	3	3	19.88	19.59	19.29			
1.4	64QAM	6	0	19.66	19.87	19.59			

Band 38_Ant 0									
BW [MHz]	Modulatio n	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	21.7	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.55	20.68	20.56	21.7	0	
20	QPSK	1	49	20.45	20.46	20.26			
20	QPSK	1	99	20.47	20.32	20.29	21.7	0	
20	QPSK	50	0	20.55	20.64	20.53			
20	QPSK	50	24	20.55	20.53	20.43	21.7	0	
20	QPSK	50	50	20.48	20.64	20.46			
20	QPSK	100	0	20.57	20.61	20.58	21.7	0	
20	16QAM	1	0	20.44	20.60	20.56			
20	16QAM	1	49	20.65	20.58	20.60	21.7	0	
20	16QAM	1	99	20.45	20.52	20.46			
20	16QAM	50	0	20.67	20.67	20.60	21.7	0	
20	16QAM	50	24	20.65	20.57	20.48			
20	16QAM	50	50	20.65	20.63	20.66	21.7	0	
20	16QAM	100	0	20.66	20.61	20.62			
20	64QAM	1	0	20.61	20.61	20.46	21.7	0	
20	64QAM	1	49	20.55	20.59	20.42			
20	64QAM	1	99	20.58	20.51	20.81	20.7	1	
20	64QAM	50	0	19.99	20.17	19.93			
20	64QAM	50	24	19.93	19.95	20.16	20.7	1	
20	64QAM	50	50	19.86	20.01	20.09			
20	64QAM	100	0	19.84	20.15	19.94	21.7	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	21.7	0	
15	QPSK	1	0	20.42	20.50	20.18			
15	QPSK	1	37	20.24	20.24	20.28	21.7	0	
15	QPSK	1	74	20.32	20.19	20.08			
15	QPSK	36	0	20.50	20.59	20.45	21.7	0	
15	QPSK	36	20	20.48	20.50	20.53			
15	QPSK	36	39	20.43	20.55	20.44	21.7	0	
15	QPSK	75	0	20.49	20.53	20.47			
15	16QAM	1	0	20.25	20.39	20.48	21.7	0	
15	16QAM	1	37	20.55	20.51	20.37			
15	16QAM	1	74	20.25	20.36	20.25	21.7	0	
15	16QAM	36	0	20.42	20.57	20.46			
15	16QAM	36	20	20.51	20.55	20.55	21.7	0	
15	16QAM	36	39	20.54	20.54	20.47			
15	16QAM	75	0	20.54	20.63	20.56	21.7	0	
15	64QAM	1	0	20.47	20.27	20.44			
15	64QAM	1	37	20.40	20.60	20.37	21.7	0	
15	64QAM	1	74	20.26	20.29	20.36			
15	64QAM	36	0	19.89	19.80	19.89	20.7	1	
15	64QAM	36	20	19.91	20.09	19.79			
15	64QAM	36	39	19.95	19.82	20.11	21.7	0	
15	64QAM	75	0	19.97	20.12	19.89			
Channel				37800	38000	38200	21.7	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.38	20.31	20.20	21.7	0	
10	QPSK	1	25	20.24	20.26	20.16			
10	QPSK	1	49	20.24	20.07	20.11	21.7	0	
10	QPSK	12	0	20.48	20.46	20.50			
10	QPSK	25	12	20.49	20.45	20.51	21.7	0	
10	QPSK	25	25	20.45	20.43	20.48			
10	QPSK	50	0	20.51	20.46	20.47	21.7	0	
10	16QAM	1	0	20.33	20.46	20.48			
10	16QAM	1	25	20.46	20.55	20.42	21.7	0	
10	16QAM	1	49	20.36	20.38	20.32			
10	16QAM	25	0	20.45	20.57	20.45	21.7	0	
10	16QAM	25	12	20.56	20.58	20.51			
10	16QAM	25	25	20.47	20.56	20.45	21.7	0	
10	16QAM	50	0	20.57	20.60	20.56			
10	64QAM	1	0	20.35	20.46	20.29	21.7	0	
10	64QAM	1	25	20.56	20.33	20.29			
10	64QAM	1	49	20.22	20.58	20.20	20.7	1	
10	64QAM	25	0	19.75	19.82	19.96			
10	64QAM	25	12	19.96	19.94	19.83	20.7	1	
10	64QAM	25	25	19.90	19.83	19.88			
10	64QAM	50	0	19.95	20.09	19.84	21.7	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	21.7	0	
5	QPSK	1	0	20.43	20.52	20.50			
5	QPSK	1	12	20.27	20.32	20.18	21.7	0	
5	QPSK	1	24	20.30	20.13	20.06			
5	QPSK	12	0	20.51	20.46	20.50	21.7	0	
5	QPSK	12	7	20.46	20.55	20.52			
5	QPSK	12	13	20.47	20.50	20.37	21.7	0	
5	QPSK	25	0	20.39	20.55	20.51			
5	16QAM	1	0	20.29	20.40	20.43	21.7	0	
5	16QAM	1	12	20.47	20.49	20.43			
5	16QAM	1	24	20.31	20.43	20.30	21.7	0	
5	16QAM	12	0	20.45	20.51	20.46			
5	16QAM	12	7	20.48	20.56	20.58	21.7	0	
5	16QAM	12	13	20.41	20.62	20.46			
5	16QAM	25	0	20.56	20.58	20.56	21.7	0	
5	64QAM	1	0	20.28	20.55	20.28			
5	64QAM	1	12	20.55	20.35	20.43	21.7	0	
5	64QAM	1	24	20.29	20.40	20.18			
5	64QAM	12	0	19.91	19.95	19.91	20.7	1	
5	64QAM	12	7	19.74	20.06	19.73			
5	64QAM	12	13	20.04	19.94	19.80	20.7	1	
5	64QAM	25	0	19.73	20.00	19.94			

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	17.65	17.80	17.67	18.5	0	
20	QPSK	1	49	17.64	17.66	17.54			
20	QPSK	1	99	17.63	17.73	17.60	18.5	0	
20	QPSK	50	0	17.63	17.78	17.70			
20	QPSK	50	24	17.60	17.75	17.64	18.5	0	
20	QPSK	50	50	17.58	17.74	17.67			
20	QPSK	100	0	17.56	17.73	17.65	18.5	0	
20	16QAM	1	0	17.73	17.75	17.73			
20	16QAM	1	49	17.68	17.75	17.65	18.5	0	
20	16QAM	1	99	17.78	17.80	17.74			
20	16QAM	50	0	17.63	17.69	17.58	18.5	0	
20	16QAM	50	24	17.72	17.76	17.69			
20	16QAM	50	50	17.59	17.63	17.52	18.5	0	
20	16QAM	100	0	17.64	17.67	17.64			
20	64QAM	1	49	17.62	17.70	17.67	18.5	0	
20	64QAM	1	99	17.53	17.64	17.60			
20	64QAM	50	0	17.61	17.73	17.70	18.5	0	
20	64QAM	50	24	17.71	17.76	17.69			
20	64QAM	50	50	17.75	17.80	17.70	18.5	0	
20	64QAM	100	0	17.64	17.71	17.60			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.60	17.73	17.59	18.5	0	
15	QPSK	1	37	17.55	17.60	17.43			
15	QPSK	1	74	17.54	17.66	17.57	18.5	0	
15	QPSK	36	0	17.51	17.74	17.59			
15	QPSK	36	20	17.52	17.69	17.57	18.5	0	
15	QPSK	36	39	17.47	17.66	17.56			
15	QPSK	75	0	17.54	17.62	17.62	18.5	0	
15	16QAM	1	0	17.71	17.64	17.63			
15	16QAM	1	37	17.61	17.70	17.61	18.5	0	
15	16QAM	1	74	17.71	17.68	17.67			
15	16QAM	36	0	17.52	17.66	17.52	18.5	0	
15	16QAM	36	20	17.63	17.70	17.66			
15	16QAM	36	39	17.51	17.56	17.40	18.5	0	
15	16QAM	75	0	17.61	17.60	17.54			
15	64QAM	1	0	17.69	17.66	17.65	18.5	0	
15	64QAM	1	37	17.50	17.63	17.59			
15	64QAM	1	74	17.41	17.55	17.55	18.5	0	
15	64QAM	36	0	17.53	17.69	17.60			
15	64QAM	36	20	17.59	17.73	17.60	18.5	0	
15	64QAM	36	39	17.72	17.74	17.60			
15	64QAM	75	0	17.53	17.61	17.51	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.52	17.76	17.65	18.5	0	
10	QPSK	1	25	17.54	17.74	17.50			
10	QPSK	1	49	17.59	17.66	17.52	18.5	0	
10	QPSK	25	0	17.54	17.72	17.62			
10	QPSK	25	12	17.49	17.73	17.61	18.5	0	
10	QPSK	25	25	17.47	17.64	17.55			
10	QPSK	50	0	17.52	17.61	17.59	18.5	0	
10	16QAM	1	0	17.69	17.63	17.68			
10	16QAM	1	25	17.45	17.65	17.56	18.5	0	
10	16QAM	1	49	17.75	17.73	17.67			
10	16QAM	25	0	17.55	17.61	17.51	18.5	0	
10	16QAM	25	12	17.68	17.69	17.64			
10	16QAM	25	25	17.54	17.53	17.41	18.5	0	
10	16QAM	50	0	17.53	17.61	17.62			
10	64QAM	1	0	17.59	17.74	17.64	18.5	0	
10	64QAM	1	25	17.58	17.67	17.57			
10	64QAM	1	49	17.44	17.58	17.56	18.5	0	
10	64QAM	25	0	17.52	17.67	17.68			
10	64QAM	25	12	17.65	17.73	17.62	18.5	0	
10	64QAM	25	25	17.73	17.75	17.65			
10	64QAM	50	0	17.60	17.67	17.53	Tune-up limit (dBm)	MPR (dB)	
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.55	17.69	17.60	18.5	0	
5	QPSK	1	12	17.60	17.57	17.43			
5	QPSK	1	24	17.51	17.71	17.54	18.5	0	
5	QPSK	12	0	17.60	17.75	17.65			
5	QPSK	12	7	17.57	17.65	17.60	18.5	0	
5	QPSK	12	13	17.46	17.62	17.60			
5	QPSK	25	0	17.46	17.66	17.60	18.5	0	
5	16QAM	1	0	17.62	17.67	17.65			
5	16QAM	1	12	17.56	17.66	17.53	18.5	0	
5	16QAM	1	24	17.66	17.76	17.67			
5	16QAM	12	0	17.60	17.66	17.62	18.5	0	
5	16QAM	12	7	17.70	17.64	17.68			
5	16QAM	12	13	17.56	17.52	17.50	18.5	0	
5	16QAM	25	0	17.58	17.64	17.54			
5	64QAM	1	0	17.64	17.67	17.61	18.5	0	
5	64QAM	1	12	17.59	17.60	17.58			
5	64QAM	1	24	17.46	17.57	17.53	18.5	0	
5	64QAM	12	0	17.56	17.68	17.68			
5	64QAM	12	7	17.62	17.66	17.58	18.5	0	
5	64QAM	12	13	17.68	17.74	17.59			
5	64QAM	25	0	17.62	17.69	17.56			



Band 38_Ant 3									
BW [MHz]	Modulatio n	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	22.8	0	
Frequency (MHz)				0	2580	2590			
20	QPSK	1	0	21.67	21.76	21.57	22.8	0	
20	QPSK	1	49	21.48	21.58	21.41			
20	QPSK	1	99	21.57	21.42	21.34	22.8	0	
20	QPSK	50	0	21.35	21.74	21.51			
20	QPSK	50	24	21.42	21.63	21.45	22.8	0	
20	QPSK	50	50	21.42	21.58	21.41			
20	QPSK	100	0	21.60	21.68	21.53	22.8	0	
20	16QAM	1	0	21.46	21.55	21.45			
20	16QAM	1	49	21.59	21.74	21.65	22.8	0	
20	16QAM	1	99	21.57	21.53	21.40			
20	16QAM	50	0	21.32	21.52	21.27	22.8	0	
20	16QAM	50	24	21.45	21.53	21.53			
20	16QAM	50	50	21.59	21.58	21.45	22.8	0	
20	16QAM	100	0	21.39	21.60	21.42			
20	64QAM	1	0	21.73	21.47	21.62	22.8	0	
20	64QAM	1	49	21.56	21.68	21.71			
20	64QAM	1	99	21.50	21.74	21.58	21.8	1	
20	64QAM	50	0	20.39	20.57	20.42			
20	64QAM	50	24	20.43	20.64	20.44	21.8	1	
20	64QAM	50	50	20.53	20.46	20.39			
20	64QAM	100	0	20.48	20.66	20.34	21.8	1	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	22.8	0	
15	QPSK	1	0	21.49	21.69	21.57			
15	QPSK	1	37	21.49	21.66	21.41	22.8	0	
15	QPSK	1	74	21.22	21.38	21.19			
15	QPSK	36	0	21.46	21.59	21.52	22.8	0	
15	QPSK	36	20	21.43	21.55	21.44			
15	QPSK	36	39	21.42	21.52	21.47	22.8	0	
15	QPSK	75	0	21.52	21.53	21.42			
15	16QAM	1	0	21.62	21.69	21.54	22.8	0	
15	16QAM	1	37	21.62	21.70	21.63			
15	16QAM	1	74	21.55	21.56	21.52	22.8	0	
15	16QAM	36	0	21.46	21.54	21.47			
15	16QAM	36	20	21.54	21.65	21.49	22.8	0	
15	16QAM	36	39	21.56	21.65	21.57			
15	16QAM	75	0	21.45	21.60	21.42	22.8	0	
15	64QAM	1	0	21.59	21.59	21.56			
15	64QAM	1	37	21.69	21.66	21.57	22.8	0	
15	64QAM	1	74	21.58	21.58	21.46			
15	64QAM	36	0	20.86	20.51	20.35	21.8	1	
15	64QAM	36	20	20.55	20.57	20.46			
15	64QAM	36	39	20.54	20.48	20.52	21.8	1	
15	64QAM	75	0	20.56	20.44	20.45			
Channel				37800	38000	38200	22.8	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.47	21.51	21.29	22.8	0	
10	QPSK	1	25	21.48	21.58	21.47			
10	QPSK	1	49	21.26	21.34	21.24	22.8	0	
10	QPSK	25	0	21.49	21.62	21.54			
10	QPSK	25	12	21.40	21.62	21.45	22.8	0	
10	QPSK	25	25	21.42	21.52	21.44			
10	QPSK	50	0	21.45	21.51	21.52	22.8	0	
10	16QAM	1	0	21.57	21.64	21.60			
10	16QAM	1	25	21.57	21.71	21.60	22.8	0	
10	16QAM	1	49	21.61	21.63	21.51			
10	16QAM	25	0	21.41	21.60	21.34	22.8	0	
10	16QAM	25	12	21.48	21.61	21.54			
10	16QAM	25	25	21.64	21.73	21.52	22.8	0	
10	16QAM	50	0	21.43	21.58	21.53			
10	64QAM	1	0	21.53	21.51	21.55	22.8	0	
10	64QAM	1	25	21.53	21.65	21.62			
10	64QAM	1	49	21.63	21.56	21.71	21.8	1	
10	64QAM	25	0	20.50	20.40	20.60			
10	64QAM	25	12	20.54	20.63	20.61	21.8	1	
10	64QAM	25	25	20.68	20.67	20.42			
10	64QAM	50	0	20.29	20.71	20.59	21.8	1	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	22.8	0	
5	QPSK	1	0	21.56	21.69	21.43			
5	QPSK	1	12	21.57	21.57	21.46	22.8	0	
5	QPSK	1	24	21.32	21.33	21.20			
5	QPSK	12	0	21.51	21.63	21.54	22.8	0	
5	QPSK	12	7	21.45	21.63	21.45			
5	QPSK	12	13	21.44	21.48	21.52	22.8	0	
5	QPSK	25	0	21.49	21.52	21.49			
5	16QAM	1	0	21.58	21.64	21.56	22.8	0	
5	16QAM	1	12	21.67	21.69	21.60			
5	16QAM	1	24	21.55	21.68	21.51	22.8	0	
5	16QAM	12	0	21.35	21.54	21.43			
5	16QAM	12	7	21.61	21.61	21.54	22.8	0	
5	16QAM	12	13	21.55	21.64	21.58			
5	16QAM	25	0	21.42	21.68	21.49	22.8	0	
5	64QAM	1	0	21.65	21.54	21.63			
5	64QAM	1	12	21.61	21.66	21.57	22.8	0	
5	64QAM	1	24	21.53	21.63	21.36			
5	64QAM	12	0	20.40	20.35	20.52	21.8	1	
5	64QAM	12	7	20.52	20.58	20.43			
5	64QAM	12	13	20.46	20.63	20.73	21.8	1	
5	64QAM	25	0	20.56	20.75	20.54			

Band 41_Ant 0										
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.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	21.3	0
Frequency (MHz)				20.66	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.66	20.60	20.70	20.58	20.63	21.3	0
20	QPSK	1	49	20.55	20.40	20.44	20.53	20.29		
20	QPSK	1	99	20.50	20.40	20.45	20.52	20.58		
20	QPSK	50	0	20.61	20.55	20.68	20.55	20.61		
20	QPSK	50	24	20.53	20.54	20.59	20.51	20.50	21.3	0
20	QPSK	50	50	20.56	20.51	20.61	20.50	20.53		
20	QPSK	100	0	20.53	20.41	20.65	20.55	20.58		
20	16QAM	1	0	20.43	20.50	20.55	20.47	20.44		
20	16QAM	1	49	20.63	20.66	20.69	20.52	20.64	21.3	0
20	16QAM	1	99	20.35	20.45	20.45	20.44	20.43		
20	16QAM	50	0	20.43	20.36	20.42	20.31	20.28		
20	16QAM	50	24	20.50	20.42	20.47	20.45	20.37		
20	16QAM	50	50	20.42	20.53	20.57	20.51	20.53	21.3	0
20	16QAM	100	0	20.42	20.42	20.50	20.42	20.44		
20	64QAM	1	0	20.37	20.21	20.30	20.46	20.30		
20	64QAM	1	49	20.63	20.44	20.62	20.61	20.45		
20	64QAM	1	99	20.39	20.62	20.45	20.37	20.58	21.3	0
20	64QAM	50	0	19.14	19.19	19.22	19.49	19.30		
20	64QAM	50	24	19.42	19.22	19.37	19.59	19.43		
20	64QAM	50	50	19.33	19.31	19.52	19.44	19.43		
20	64QAM	100	0	19.19	19.26	19.37	19.26	19.48	20.3	1
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				20.63	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.42	20.46	20.46	20.04	20.12	21.3	0
15	QPSK	1	37	20.42	20.30	20.34	19.96	20.29		
15	QPSK	1	74	20.45	20.32	20.26	20.11	19.99		
15	QPSK	36	0	20.54	20.45	20.60	20.49	20.61		
15	QPSK	36	20	20.40	20.45	20.56	20.44	20.43	21.3	0
15	QPSK	36	39	20.47	20.43	20.51	20.49	20.49		
15	QPSK	75	0	20.51	20.38	20.51	20.41	20.48		
15	16QAM	1	0	20.42	20.48	20.54	20.48	20.50		
15	16QAM	1	37	20.63	20.56	20.60	20.57	20.62	21.3	0
15	16QAM	1	74	20.40	20.46	20.45	20.53	20.40		
15	16QAM	36	0	20.49	20.45	20.45	20.25	20.28		
15	16QAM	36	20	20.54	20.48	20.55	20.38	20.47		
15	16QAM	36	39	20.40	20.47	20.50	20.57	20.61	21.3	0
15	16QAM	75	0	20.46	20.38	20.42	20.57	20.48		
15	64QAM	1	0	20.43	20.19	20.60	20.24	20.29		
15	64QAM	1	37	20.66	20.65	20.54	20.44	20.51		
15	64QAM	1	74	20.54	20.58	20.57	20.29	20.61	21.3	0
15	64QAM	36	0	19.44	19.16	19.52	19.36	19.23		
15	64QAM	36	20	19.36	19.34	19.28	19.59	19.52		
15	64QAM	36	39	19.39	19.20	19.36	19.29	19.54		
15	64QAM	75	0	19.18	19.50	19.56	19.25	19.20	20.3	1
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				20.50	2547.7	2593	2637	2683		
10	QPSK	1	0	20.25	20.48	20.31	20.25	20.37	21.3	0
10	QPSK	1	25	20.44	20.19	20.35	20.08	20.21		
10	QPSK	1	49	20.39	20.37	20.30	20.05	20.02		
10	QPSK	25	0	20.53	20.43	20.54	20.56	20.62		
10	QPSK	25	12	20.51	20.38	20.50	20.45	20.41	21.3	0
10	QPSK	25	25	20.49	20.41	20.51	20.44	20.42		
10	QPSK	50	0	20.47	20.43	20.51	20.45	20.45		
10	16QAM	1	0	20.41	20.54	20.52	20.43	20.43		
10	16QAM	1	25	20.54	20.46	20.70	20.59	20.65	21.3	0
10	16QAM	1	49	20.27	20.45	20.44	20.42	20.49		
10	16QAM	25	0	20.44	20.33	20.49	20.25	20.30		
10	16QAM	25	12	20.54	20.48	20.52	20.44	20.34		
10	16QAM	25	25	20.45	20.59	20.57	20.54	20.54	21.3	0
10	16QAM	50	0	20.51	20.41	20.45	20.49	20.39		
10	64QAM	1	0	20.39	20.57	20.57	20.25	20.30		
10	64QAM	1	25	20.43	20.36	20.62	20.47	20.47		
10	64QAM	1	49	20.41	20.39	20.59	20.63	20.36	20.3	1
10	64QAM	25	0	19.41	19.26	19.46	19.44	19.09		
10	64QAM	25	12	19.26	19.27	19.54	19.35	19.42		
10	64QAM	25	25	19.27	19.34	19.29	19.36	19.45		
Channel				39675	40148	40620	41093	41515		
Frequency (MHz)				20.656	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.31	20.20	20.47	20.00	20.46	21.3	0
5	QPSK	1	12	20.39	20.29	20.44	20.06	20.24		
5	QPSK	1	24	20.38	20.20	20.37	20.06	20.03		
5	QPSK	12	0	20.49	20.51	20.58	20.53	20.52		
5	QPSK	12	7	20.47	20.38	20.55	20.48	20.44	21.3	0
5	QPSK	12	13	20.50	20.38	20.52	20.43	20.51		
5	QPSK	25	0	20.48	20.31	20.47	20.38	20.37		
5	16QAM	1	0	20.44	20.53	20.60	20.46	20.47		
5	16QAM	1	12	20.67	20.60	20.69	20.61	20.68	21.3	0
5	16QAM	1	24	20.38	20.45	20.57	20.36	20.41		
5	16QAM	12	0	20.39	20.39	20.42	20.24	20.29		
5	16QAM	12	7	20.45	20.51	20.62	20.42	20.36		
5	16QAM	12	13	20.34	20.49	20.53	20.59	20.54	21.3	0
5	16QAM	25	0	20.50	20.40	20.48	20.48	20.42		
5	64QAM	1	0	20.30	20.19	20.61	20.40	20.28		
5	64QAM	1	12	20.46	20.47	20.65	20.40	20.68		
5	64QAM	1	24	20.63	20.38	20.62	20.46	20.38	20.3	1
5	64QAM	12	0	19.36	19.54	19.54	19.36	19.41		
5	64QAM	12	7	19.27	19.43	19.45	19.34	19.54		
5	64QAM	12	13	19.20	19.27	19.43	19.40	19.49		
5	64QAM	25	0	19.29	19.54	19.40	19.53	19.41		

Band 41_Ant 2											
BW (MHz)	Modulatio n	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	16.6	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	15.11	15.05	15.26	15.20	15.15	16.6	0	
20	QPSK	1	49	15.10	15.02	15.20	15.18	15.09			
20	QPSK	1	99	15.07	15.01	15.10	15.10	15.02	16.6	0	
20	QPSK	50	0	15.16	15.13	15.23	15.06	15.17			
20	QPSK	50	24	15.05	15.05	15.17	15.05	15.13	16.6	0	
20	QPSK	50	50	15.09	15.08	15.18	15.02	15.10			
20	QPSK	100	0	15.08	15.17	15.20	15.03	15.08	16.6	0	
20	16QAM	1	0	15.17	15.17	15.25	15.17	15.15			
20	16QAM	1	49	15.00	15.01	15.11	15.07	15.08	16.6	0	
20	16QAM	1	99	15.13	15.16	15.21	15.13	15.16			
20	16QAM	50	0	15.12	15.10	15.14	15.07	15.03	16.6	0	
20	16QAM	50	24	15.16	15.13	15.20	15.08	15.10			
20	16QAM	50	50	15.10	15.05	15.17	15.14	15.09	16.6	0	
20	16QAM	100	0	15.15	15.08	15.20	15.16	15.14			
20	64QAM	1	0	15.09	15.17	15.19	15.17	15.12	16.6	0	
20	64QAM	1	49	15.15	15.12	15.18	15.06	15.16			
20	64QAM	1	99	15.02	15.02	15.09	15.20	15.03	16.6	0	
20	64QAM	50	0	15.06	15.05	15.17	15.10	15.06			
20	64QAM	50	24	15.11	15.13	15.21	15.14	15.15	16.6	0	
20	64QAM	50	50	15.08	15.11	15.18	15.07	15.16			
20	64QAM	100	0	15.05	15.08	15.11	15.06	15.01	16.6	0	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	15.01	15.00	15.21	15.07	15.14	16.6	0	
15	QPSK	1	37	15.04	15.01	15.14	15.07	15.11			
15	QPSK	1	74	15.01	15.02	15.05	15.01	15.12	16.6	0	
15	QPSK	36	0	15.15	15.10	15.20	15.04	15.13			
15	QPSK	36	20	15.01	15.04	15.06	15.02	15.01	16.6	0	
15	QPSK	36	39	15.02	15.06	15.13	15.04	15.05			
15	QPSK	75	0	15.04	15.15	15.16	15.06	15.03	16.6	0	
15	16QAM	1	0	15.06	15.08	15.17	15.15	15.05			
15	16QAM	1	37	15.00	15.01	15.06	15.01	15.05	16.6	0	
15	16QAM	1	74	15.06	15.11	15.14	15.08	15.05			
15	16QAM	36	0	15.08	15.05	15.07	15.02	15.04	16.6	0	
15	16QAM	36	20	15.14	15.09	15.17	15.06	15.05			
15	16QAM	36	39	15.01	15.01	15.14	15.10	15.01	16.6	0	
15	16QAM	75	0	15.09	15.02	15.08	15.14	15.06			
15	64QAM	1	0	15.04	15.05	15.14	15.08	15.01	16.6	0	
15	64QAM	1	37	15.09	15.01	15.06	15.03	15.10			
15	64QAM	1	74	15.04	15.02	15.02	15.06	15.01	16.6	0	
15	64QAM	36	0	15.00	15.03	15.10	15.06	15.01			
15	64QAM	36	20	15.04	15.10	15.18	15.09	15.07	16.6	0	
15	64QAM	36	39	15.00	15.06	15.06	15.06	15.14			
15	64QAM	75	0	15.04	15.03	15.00	15.01	15.04	16.6	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	15.04	15.04	15.18	15.20	15.03	16.6	0	
10	QPSK	1	25	15.04	15.00	15.11	15.14	15.00			
10	QPSK	1	49	15.01	15.02	15.07	15.14	15.02	16.6	0	
10	QPSK	25	0	15.12	15.09	15.20	15.05	15.13			
10	QPSK	25	12	15.02	15.04	15.12	15.04	15.06	16.6	0	
10	QPSK	25	25	15.05	15.04	15.07	15.06	15.01			
10	QPSK	50	0	15.06	15.11	15.16	15.01	15.05	16.6	0	
10	16QAM	1	0	15.09	15.12	15.18	15.06	15.08			
10	16QAM	1	25	15.03	15.02	15.06	15.02	15.00	16.6	0	
10	16QAM	1	49	15.07	15.06	15.12	15.11	15.10			
10	16QAM	25	0	15.00	15.08	15.10	15.00	15.01	16.6	0	
10	16QAM	25	12	15.14	15.09	15.16	15.04	15.06			
10	16QAM	25	25	15.05	15.01	15.15	15.08	15.04	16.6	0	
10	16QAM	50	0	15.13	15.01	15.09	15.06	15.03			
10	64QAM	1	0	15.00	15.11	15.17	15.06	15.08	16.6	0	
10	64QAM	1	25	15.12	15.03	15.11	15.03	15.04			
10	64QAM	1	49	15.03	15.00	15.05	15.14	15.01	16.6	0	
10	64QAM	25	0	15.04	15.00	15.14	15.06	15.04			
10	64QAM	25	12	15.05	15.07	15.11	15.03	15.05	16.6	0	
10	64QAM	25	25	15.02	15.05	15.10	15.06	15.06			
10	64QAM	50	0	15.02	15.03	15.06	15.02	15.17	16.6	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	15.05	15.02	15.19	15.20	15.04	16.6	0	
5	QPSK	1	12	15.00	15.03	15.18	15.11	15.04			
5	QPSK	1	24	15.02	15.02	15.06	15.03	15.06	16.6	0	
5	QPSK	12	0	15.13	15.04	15.17	15.02	15.13			
5	QPSK	12	7	15.00	15.03	15.11	15.05	15.11	16.6	0	
5	QPSK	12	13	15.00	15.06	15.14	15.03	15.08			
5	QPSK	25	0	15.02	15.15	15.11	15.17	15.04	16.6	0	
5	16QAM	1	0	15.09	15.15	15.17	15.05	15.12			
5	16QAM	1	12	15.01	15.01	15.03	15.01	15.06	16.6	0	
5	16QAM	1	24	15.02	15.10	15.15	15.01	15.10			
5	16QAM	12	0	15.01	15.06	15.06	15.02	15.08	16.6	0	
5	16QAM	12	7	15.10	15.01	15.11	15.00	15.07			
5	16QAM	12	13	15.01	15.03	15.06	15.10	15.05	16.6	0	
5	16QAM	25	0	15.08	15.03	15.12	15.10	15.07			
5	64QAM	1	0	15.07	15.09	15.13	15.06	15.10	16.6	0	
5	64QAM	1	12	15.10	15.02	15.13	15.02	15.05			
5	64QAM	1	24	15.01	15.03	15.00	15.05	15.06	16.6	0	
5	64QAM	12	0	15.03	15.01	15.07	15.05	15.02			
5	64QAM	12	7	15.09	15.05	15.10	15.05	15.10	16.6	0	
5	64QAM	12	13	15.04	15.07	15.08	15.02	15.05			
5	64QAM	25	0	15.01	15.06	15.00	15.00	15.01			

Band 41_Ant 3											
BW [MHz]	Modulatio n	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	22.3	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.81	21.76	21.90	21.71	21.66	22.3	0	
20	QPSK	1	49	21.67	21.61	21.73	21.41	21.48			
20	QPSK	1	99	21.71	21.64	21.69	21.55	21.53	22.3	0	
20	QPSK	50	0	21.71	21.72	21.86	21.68	21.61			
20	QPSK	50	24	21.57	21.44	21.57	21.49	21.54	22.3	0	
20	QPSK	50	50	21.66	21.56	21.64	21.73	21.65			
20	QPSK	100	0	21.74	21.74	21.75	21.75	21.67	22.3	0	
20	16QAM	1	0	21.55	21.76	21.69	21.72	21.61			
20	16QAM	1	49	21.62	21.65	21.80	21.73	21.67	22.3	0	
20	16QAM	1	99	21.63	21.60	21.67	21.66	21.71			
20	16QAM	50	0	21.52	21.51	21.51	21.39	21.48	22.3	0	
20	16QAM	50	24	21.55	21.57	21.62	21.53	21.55			
20	16QAM	50	50	21.68	21.68	21.70	21.62	21.68	22.3	0	
20	16QAM	100	0	21.66	21.71	21.71	21.85	21.52			
20	64QAM	1	0	21.73	21.44	21.61	21.59	21.31	22.3	0	
20	64QAM	1	49	21.57	21.58	21.58	21.45	21.70			
20	64QAM	1	99	21.55	21.47	21.46	21.43	21.44	21.3	1	
20	64QAM	50	0	20.58	20.46	20.54	20.41	20.48			
20	64QAM	50	24	20.69	20.49	20.82	20.60	20.69	21.3	1	
20	64QAM	50	50	20.52	20.76	20.80	20.80	20.83			
20	64QAM	100	0	20.75	20.69	20.79	20.60	20.48	21.3	1	
Channel <td>39750</td> <td>40185</td> <td>40620</td> <td>41055</td> <td>41490</td>				39750	40185	40620	41055	41490			
Frequency (MHz)				2603.5	2648.3	2693	2637.8	2692.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.65	21.47	21.80	21.45	21.49	22.3	0	
15	QPSK	1	37	21.79	21.62	21.71	21.44	21.52			
15	QPSK	1	74	21.77	21.69	21.68	21.42	21.57	22.3	0	
15	QPSK	36	20	21.59	21.44	21.54	21.52	21.50			
15	QPSK	36	39	21.61	21.49	21.59	21.54	21.56	22.3	0	
15	QPSK	75	0	21.76	21.70	21.73	21.77	21.57			
15	16QAM	1	0	21.56	21.58	21.67	21.71	21.60	22.3	0	
15	16QAM	1	37	21.65	21.69	21.80	21.60	21.61			
15	16QAM	1	74	21.66	21.58	21.80	21.67	21.76	22.3	0	
15	16QAM	36	20	21.54	21.54	21.62	21.48	21.56			
15	16QAM	36	39	21.61	21.56	21.67	21.52	21.66	22.3	0	
15	16QAM	75	0	21.71	21.75	21.77	21.72	21.71			
15	16QAM	1	0	21.66	21.71	21.73	21.61	21.59	22.3	0	
15	16QAM	1	37	21.79	21.69	21.58	21.44	21.74			
15	16QAM	1	74	21.53	21.48	21.53	21.59	21.37	21.3	1	
15	16QAM	36	0	20.44	20.32	20.46	20.32	20.54			
15	16QAM	36	20	20.38	20.69	20.64	20.61	20.58	21.3	1	
15	16QAM	36	39	20.57	20.58	20.69	20.66	20.61			
15	16QAM	75	0	20.60	20.62	20.61	20.43	20.84	21.3	1	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.83	21.52	21.60	21.46	21.61	22.3	0	
10	QPSK	1	25	21.67	21.58	21.76	21.76	21.57			
10	QPSK	1	49	21.76	21.70	21.63	21.41	21.42	22.3	0	
10	QPSK	25	0	21.68	21.61	21.70	21.74	21.69			
10	QPSK	25	12	21.62	21.42	21.62	21.42	21.47	22.3	0	
10	QPSK	25	25	21.58	21.56	21.66	21.60	21.54			
10	16QAM	1	0	21.62	21.76	21.79	21.62	21.70	22.3	0	
10	16QAM	1	25	21.60	21.61	21.73	21.71	21.70			
10	16QAM	1	49	21.71	21.64	21.68	21.66	21.70	22.3	0	
10	16QAM	25	0	21.59	21.56	21.59	21.49	21.47			
10	16QAM	25	12	21.62	21.55	21.61	21.63	21.64	22.3	0	
10	16QAM	25	25	21.65	21.71	21.76	21.73	21.67			
10	16QAM	50	0	21.70	21.64	21.69	21.65	21.57	22.3	0	
10	64QAM	1	0	21.72	21.50	21.40	21.42	21.45			
10	64QAM	1	25	21.58	21.48	21.63	21.44	21.45	21.3	1	
10	64QAM	1	49	21.70	21.46	21.49	21.46	21.52			
10	64QAM	25	0	20.45	20.47	20.46	20.19	20.32	21.3	1	
10	64QAM	25	12	20.58	20.67	20.52	20.57	20.37			
10	64QAM	25	25	20.59	20.52	20.55	20.47	20.68	21.3	1	
10	64QAM	50	0	20.54	20.44	20.67	20.56	20.52			
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2646.5	2645.8	2593	2640.3	2697.5	22.3	0	
5	QPSK	1	0	21.69	21.48	21.52	21.42	21.46			
5	QPSK	1	12	21.58	21.56	21.68	21.35	21.52	22.3	0	
5	QPSK	1	24	21.61	21.57	21.50	21.41	21.21			
5	QPSK	12	7	21.71	21.61	21.75	21.75	21.66	22.3	0	
5	QPSK	12	13	21.52	21.50	21.62	21.60	21.58			
5	QPSK	25	0	21.76	21.80	21.79	21.75	21.66	22.3	0	
5	16QAM	1	0	21.66	21.65	21.74	21.65	21.71			
5	16QAM	1	12	21.64	21.59	21.79	21.66	21.69	22.3	0	
5	16QAM	1	24	21.67	21.57	21.69	21.67	21.58			
5	16QAM	12	0	21.56	21.52	21.59	21.46	21.57	22.3	0	
5	16QAM	12	7	21.56	21.49	21.65	21.59	21.67			
5	16QAM	12	13	21.65	21.69	21.79	21.66	21.67	22.3	0	
5	16QAM	25	0	21.72	21.59	21.72	21.67	21.49			
5	64QAM	1	0	21.60	21.37	21.62	21.23	21.47	22.3	0	
5	64QAM	1	12	21.53	21.46	21.53	21.66	21.46			
5	64QAM	1	24	21.45	21.72	21.58	21.68	21.21	21.3	1	
5	64QAM	12	0	20.26	20.47	20.57	20.26	20.36			
5	64QAM	12	7	20.68	20.52	20.80	20.81	20.63	21.3	1	
5	64QAM	12	13	20.57	20.75	20.60	20.56	20.82			
5	64QAM	25	0	20.62	20.63	20.59	20.64	20.58	21.3	1	

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	15.70	15.86	15.69	18.5	0	
20	QPSK	1	49	15.69	15.80	15.67			
20	QPSK	1	99	15.65	15.69	15.63			
20	QPSK	50	0	15.59	15.79	15.75	18.5	0	
20	QPSK	50	24	15.67	15.76	15.71			
20	QPSK	50	50	15.63	15.73	15.63			
20	QPSK	100	0	15.62	15.67	15.57	18.5	0	
20	16QAM	1	0	15.63	15.76	15.68			
20	16QAM	1	49	15.78	15.85	15.76			
20	16QAM	1	99	15.74	15.85	15.90	18.5	0	
20	16QAM	50	0	15.63	15.66	15.66			
20	16QAM	50	24	15.77	15.78	15.65			
20	16QAM	50	50	15.65	15.72	15.70	18.5	0	
20	16QAM	100	0	15.55	15.68	15.66			
20	64QAM	1	0	15.80	15.82	15.75			
20	64QAM	1	49	15.73	15.85	15.82	18.5	0	
20	64QAM	1	99	15.75	15.81	15.59			
20	64QAM	50	0	15.60	15.65	15.56			
20	64QAM	50	24	15.59	15.78	15.58	18.5	0	
20	64QAM	50	50	15.66	15.77	15.58			
20	64QAM	100	0	15.53	15.67	15.69			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	15.44	15.73	15.52	18.5	0	
15	QPSK	1	37	15.60	15.71	15.57			
15	QPSK	1	74	15.58	15.62	15.61			
15	QPSK	36	0	15.65	15.75	15.66	18.5	0	
15	QPSK	36	20	15.55	15.66	15.68			
15	QPSK	36	39	15.57	15.62	15.57			
15	QPSK	75	0	15.58	15.66	15.44	18.5	0	
15	16QAM	1	0	15.55	15.67	15.65			
15	16QAM	1	37	15.67	15.85	15.65			
15	16QAM	1	74	15.74	15.78	15.72	18.5	0	
15	16QAM	36	0	15.56	15.53	15.64			
15	16QAM	36	20	15.65	15.77	15.59			
15	16QAM	36	39	15.52	15.61	15.59	18.5	0	
15	16QAM	75	0	15.53	15.61	15.56			
15	64QAM	1	0	15.81	15.83	15.60			
15	64QAM	1	37	15.77	15.67	15.67	18.5	0	
15	64QAM	1	74	15.83	15.59	15.50			
15	64QAM	36	0	15.50	15.49	15.61			
15	64QAM	36	20	15.53	15.50	15.44	18.5	0	
15	64QAM	36	39	15.68	15.72	15.52			
15	64QAM	75	0	15.58	15.53	15.61			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	15.68	15.72	15.67	18.5	0	
10	QPSK	1	25	15.68	15.76	15.55			
10	QPSK	1	49	15.61	15.56	15.53			
10	QPSK	25	0	15.64	15.67	15.67	18.5	0	
10	QPSK	25	12	15.61	15.65	15.63			
10	QPSK	25	25	15.61	15.66	15.53			
10	QPSK	50	0	15.59	15.60	15.53	18.5	0	
10	16QAM	1	0	15.59	15.76	15.65			
10	16QAM	1	25	15.72	15.81	15.73			
10	16QAM	1	49	15.72	15.75	15.79	18.5	0	
10	16QAM	25	0	15.54	15.66	15.66			
10	16QAM	25	12	15.67	15.68	15.61			
10	16QAM	25	25	15.58	15.70	15.67	18.5	0	
10	16QAM	50	0	15.55	15.63	15.57			
10	64QAM	1	0	15.76	15.82	15.65			
10	64QAM	1	25	15.71	15.63	15.75	18.5	0	
10	64QAM	1	49	15.81	15.64	15.40			
10	64QAM	25	0	15.53	15.58	15.57			
10	64QAM	25	12	15.63	15.72	15.41	18.5	0	
10	64QAM	25	25	15.61	15.58	15.54			
10	64QAM	50	0	15.55	15.45	15.60			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	15.55	15.68	15.75	18.5	0	
5	QPSK	1	12	15.56	15.71	15.61			
5	QPSK	1	24	15.63	15.60	15.53			
5	QPSK	12	0	15.56	15.70	15.75	18.5	0	
5	QPSK	12	7	15.64	15.64	15.69			
5	QPSK	12	13	15.63	15.68	15.61			
5	QPSK	25	0	15.49	15.65	15.50	18.5	0	
5	16QAM	1	0	15.57	15.63	15.57			
5	16QAM	1	12	15.70	15.72	15.76			
5	16QAM	1	24	15.68	15.72	15.76	18.5	0	
5	16QAM	12	0	15.62	15.58	15.59			
5	16QAM	12	7	15.73	15.73	15.63			
5	16QAM	12	13	15.52	15.70	15.64	18.5	0	
5	16QAM	25	0	15.50	15.60	15.63			
5	64QAM	1	0	15.70	15.67	15.66			
5	64QAM	1	12	15.72	15.85	15.56	18.5	0	
5	64QAM	1	24	15.68	15.85	15.52			
5	64QAM	12	0	15.45	15.58	15.47			
5	64QAM	12	7	15.64	15.72	15.50	18.5	0	
5	64QAM	12	13	15.44	15.68	15.59			
5	64QAM	25	0	15.52	15.47	15.44			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	15.60	15.76	15.64	18.5	0	
3	QPSK	1	8	15.68	15.70	15.62			
3	QPSK	1	14	15.52	15.69	15.61			
3	QPSK	8	0	15.61	15.66	15.73	18.5	0	
3	QPSK	8	4	15.61	15.66	15.62			
3	QPSK	8	7	15.59	15.70	15.50			
3	QPSK	15	0	15.50	15.59	15.47	18.5	0	
3	16QAM	1	0	15.58	15.74	15.63			
3	16QAM	1	8	15.72	15.73	15.65			
3	16QAM	1	14	15.69	15.80	15.76	18.5	0	
3	16QAM	8	0	15.52	15.57	15.62			
3	16QAM	8	4	15.71	15.70	15.54			
3	16QAM	8	7	15.61	15.68	15.70	18.5	0	
3	16QAM	15	0	15.46	15.62	15.63			
3	64QAM	1	0	15.62	15.81	15.54			
3	64QAM	1	8	15.70	15.70	15.73	18.5	0	
3	64QAM	1	14	15.48	15.71	15.40			
3	64QAM	8	0	15.55	15.46	15.26			
3	64QAM	8	4	15.44	15.78	15.51	18.5	0	
3	64QAM	8	7	15.46	15.68	15.43			
3	64QAM	15	0	15.56	15.48	15.68			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	15.49	15.77	15.58	18.5	0	
1.4	QPSK	1	3	15.60	15.69	15.54			
1.4	QPSK	1	5	15.59	15.62	15.51			
1.4	QPSK	3	0	15.55	15.69	15.71	18.5	0	
1.4	QPSK	3	1	15.62	15.76	15.66			
1.4	QPSK	3	3	15.63	15.71	15.60			
1.4	QPSK	6	0	15.59	15.64	15.57	18.5	0	
1.4	16QAM	1	0	15.61	15.71	15.60			
1.4	16QAM	1	3	15.71	15.79	15.73			
1.4	16QAM	1	5	15.67	15.72	15.68	18.5	0	
1.4	16QAM	3	0	15.60	15.65	15.64			
1.4	16QAM	3	1	15.74	15.73	15.54			
1.4	16QAM	3	3	15.62	15.67	15.60	18.5	0	
1.4	16QAM	6	0	15.49	15.65	15.54			
1.4	64QAM	1	0	15.74	15.54	15.64			
1.4	64QAM	1	3	15.54	15.81	15.83	18.5	0	
1.4	64QAM	1	5	15.53	15.58	15.50			
1.4	64QAM	3	0	15					

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	25.7	0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.70	24.73	24.65			
10	QPSK	1	25	24.67	24.70	24.62	24.7	1	
10	QPSK	1	49	24.68	24.70	24.58			
10	QPSK	25	0	23.77	23.86	23.82			
10	QPSK	25	12	23.72	23.84	23.77	24.7	1	
10	QPSK	25	25	23.71	23.82	23.79			
10	QPSK	50	0	23.71	23.79	23.71			
10	16QAM	1	0	23.77	23.89	23.82	24.7	1	
10	16QAM	1	25	23.76	23.91	23.76			
10	16QAM	1	49	23.81	23.91	23.85			
10	16QAM	25	0	22.84	22.84	22.77	23.7	2	
10	16QAM	25	12	22.87	22.87	22.77			
10	16QAM	25	25	22.73	22.76	22.76			
10	16QAM	50	0	22.70	22.78	22.77	23.7	2	
10	64QAM	1	0	22.82	22.94	22.81			
10	64QAM	1	25	22.75	22.82	22.78			
10	64QAM	1	49	22.85	22.91	22.85	22.7	3	
10	64QAM	25	0	21.74	21.79	21.79			
10	64QAM	25	12	21.85	21.85	21.72			
10	64QAM	25	25	21.67	21.79	21.76	22.7	3	
10	64QAM	50	0	21.62	21.70	21.68			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	25.7	0	
5	QPSK	1	0	24.70	24.67	24.40			
5	QPSK	1	12	24.67	24.72	24.44			
5	QPSK	1	24	24.57	24.51	24.33	24.7	1	
5	QPSK	12	0	23.66	23.72	23.78			
5	QPSK	12	7	23.74	23.59	23.65			
5	QPSK	12	13	23.51	23.82	23.69	24.7	1	
5	QPSK	25	0	23.46	23.71	23.46			
5	16QAM	1	0	23.51	23.94	23.55			
5	16QAM	1	12	23.66	23.73	23.78	24.7	1	
5	16QAM	1	24	23.57	23.67	23.93			
5	16QAM	12	0	22.86	22.61	22.79			
5	16QAM	12	7	22.68	22.72	22.61	23.7	2	
5	16QAM	12	13	22.68	22.55	22.59			
5	16QAM	25	0	22.76	22.53	22.74			
5	64QAM	1	0	22.77	22.93	22.89	23.7	2	
5	64QAM	1	12	22.76	22.65	22.76			
5	64QAM	1	24	22.57	22.67	22.93			
5	64QAM	12	0	21.64	21.76	21.56	22.7	3	
5	64QAM	12	7	21.59	21.71	21.46			
5	64QAM	12	13	21.61	21.73	21.82			
5	64QAM	25	0	21.50	21.72	21.61	25.7	0	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.70	24.66	24.64	25.7	0	
3	QPSK	1	8	24.71	24.69	24.68			
3	QPSK	1	14	24.61	24.45	24.36			
3	QPSK	8	0	23.66	23.78	23.68	24.7	1	
3	QPSK	8	4	23.49	23.87	23.49			
3	QPSK	8	7	23.61	23.77	23.85			
3	QPSK	15	0	23.45	23.67	23.70	24.7	1	
3	16QAM	1	0	23.58	23.65	23.87			
3	16QAM	1	8	23.51	23.68	23.65			
3	16QAM	1	14	23.84	23.70	23.56	23.7	2	
3	16QAM	8	0	22.69	22.66	22.60			
3	16QAM	8	4	22.75	22.73	22.53			
3	16QAM	8	7	22.48	22.54	22.78	23.7	2	
3	16QAM	15	0	22.58	22.69	22.62			
3	64QAM	1	0	22.83	22.96	22.68			
3	64QAM	1	8	22.60	22.59	22.76	23.7	2	
3	64QAM	1	14	22.76	22.75	22.72			
3	64QAM	8	0	21.54	21.70	21.54			
3	64QAM	8	4	21.67	21.57	21.65	22.7	3	
3	64QAM	8	7	21.41	21.61	21.57			
3	64QAM	15	0	21.68	21.58	21.76			
Channel				20407	20525	20643	25.7	0	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.44	24.66	24.65			
1.4	QPSK	1	3	24.46	24.72	24.59	25.7	0	
1.4	QPSK	1	5	24.52	24.49	24.61			
1.4	QPSK	3	0	24.63	24.70	24.40			
1.4	QPSK	3	1	24.52	24.57	24.54	24.7	1	
1.4	QPSK	3	3	24.46	24.43	24.56			
1.4	QPSK	6	0	23.79	23.69	23.75			
1.4	16QAM	1	0	23.52	23.73	23.84	24.7	1	
1.4	16QAM	1	3	23.71	23.92	23.48			
1.4	16QAM	1	5	23.69	23.97	23.63			
1.4	16QAM	3	0	23.74	23.67	23.61	23.7	2	
1.4	16QAM	3	1	23.63	23.72	23.55			
1.4	16QAM	3	3	23.57	23.61	23.57			
1.4	16QAM	6	0	22.42	22.69	22.50	23.7	2	
1.4	64QAM	1	0	22.81	22.66	22.60			
1.4	64QAM	1	3	22.56	22.78	22.61			
1.4	64QAM	1	5	22.52	22.90	22.75	23.7	2	
1.4	64QAM	3	0	22.59	22.57	22.70			
1.4	64QAM	3	1	22.58	22.74	22.72			
1.4	64QAM	3	3	22.46	22.80	22.57	22.7	3	
1.4	64QAM	6	0	21.68	21.48	21.74			

Band 5_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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.64	24.67	24.66	25.5	0	
10	QPSK	1	25	24.55	24.61	24.62			
10	QPSK	1	49	24.62	24.63	24.60			
10	QPSK	25	0	23.55	23.63	23.60	24.5	1	
10	QPSK	25	12	23.41	23.62	23.42			
10	QPSK	25	25	23.52	23.62	23.59			
10	QPSK	50	0	23.52	23.60	23.53	24.5	1	
10	16QAM	1	0	23.72	23.75	23.60			
10	16QAM	1	25	23.61	23.72	23.59			
10	16QAM	1	49	23.62	23.71	23.63	23.5	2	
10	16QAM	25	0	22.43	22.53	22.45			
10	16QAM	25	12	22.47	22.62	22.50			
10	16QAM	25	25	22.50	22.63	22.63	22.5	3	
10	16QAM	50	0	22.52	22.57	22.47			
10	64QAM	1	0	22.59	22.67	22.64			
10	64QAM	1	25	22.65	22.65	22.63	23.5	2	
10	64QAM	1	49	22.66	22.58	22.44			
10	64QAM	25	0	21.42	21.54	21.45			
10	64QAM	25	12	21.62	21.63	21.48	22.5	3	
10	64QAM	25	25	21.59	21.66	21.59			
10	64QAM	50	0	21.49	21.58	21.54			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.59	24.64	24.53	25.5	0	
5	QPSK	1	12	24.53	24.65	24.67			
5	QPSK	1	24	24.63	24.50	24.37			
5	QPSK	12	0	23.29	23.58	23.54	24.5	1	
5	QPSK	12	7	23.29	23.43	23.34			
5	QPSK	12	13	23.57	23.68	23.34			
5	QPSK	25	0	23.44	23.53	23.58	24.5	1	
5	16QAM	1	0	23.80	23.75	23.53			
5	16QAM	1	12	23.65	23.59	23.36			
5	16QAM	1	24	23.62	23.56	23.31	23.5	2	
5	16QAM	12	0	22.39	22.60	22.30			
5	16QAM	12	7	22.46	22.67	22.47			
5	16QAM	12	13	22.24	22.43	22.38	23.5	2	
5	16QAM	25	0	22.37	22.64	22.44			
5	8QAM	1	0	22.63	22.51	22.51			
5	8QAM	1	12	22.61	22.62	22.47	23.5	2	
5	8QAM	1	24	22.63	22.55	22.50			
5	8QAM	12	0	21.50	21.30	21.32			
5	8QAM	12	7	21.36	21.71	21.36	22.5	3	
5	8QAM	12	13	21.35	21.40	21.36			
5	8QAM	25	0	21.41	21.51	21.37			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820.5	836.5	852.5			
3	QPSK	1	0	24.40	24.62	24.38	25.5	0	
3	QPSK	1	8	24.39	24.55	24.40			
3	QPSK	1	14	24.47	24.46	24.33			
3	QPSK	8	0	23.47	23.66	23.50	24.5	1	
3	QPSK	8	7	23.49	23.29	23.24			
3	QPSK	15	0	23.30	23.59	23.31			
3	16QAM	1	0	23.55	23.49	23.68	24.5	1	
3	16QAM	1	8	23.62	23.48	23.56			
3	16QAM	1	14	23.47	23.75	23.65			
3	16QAM	8	0	22.50	22.43	22.26	23.5	2	
3	16QAM	8	4	22.49	22.69	22.31			
3	16QAM	8	7	22.52	22.35	22.51			
3	16QAM	15	0	22.28	22.39	22.26	23.5	2	
3	8QAM	1	0	22.34	22.46	22.44			
3	8QAM	1	8	22.65	22.42	22.71			
3	8QAM	1	14	22.36	22.63	22.30	22.5	3	
3	8QAM	8	0	21.45	21.47	21.48			
3	8QAM	8	4	21.46	21.63	21.29			
3	8QAM	6	7	21.35	21.43	21.53	25.5	0	
3	8QAM	15	0	21.44	21.53	21.34			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.59	24.50	24.60	25.5	0	
1.4	QPSK	1	3	24.47	24.59	24.67			
1.4	QPSK	1	5	24.42	24.45	24.46			
1.4	QPSK	3	0	24.29	24.58	24.22	24.5	1	
1.4	QPSK	3	1	24.18	24.50	24.37			
1.4	QPSK	3	3	24.31	24.27	24.21			
1.4	QPSK	6	0	23.60	23.37	23.31	24.5	1	
1.4	16QAM	1	0	23.66	23.74	23.58			
1.4	16QAM	1	3	23.63	23.70	23.32			
1.4	16QAM	1	5	23.68	23.35	23.39	23.5	2	
1.4	16QAM	3	0	23.22	23.49	23.29			
1.4	16QAM	3	1	23.49	23.51	23.35			
1.4	16QAM	3	3	23.39	23.46	23.64	23.5	2	
1.4	16QAM	6	0	22.43	22.51	22.62			
1.4	8QAM	1	0	22.49	22.53	22.58			
1.4	8QAM	1	3	22.42	22.62	22.56	23.5	2	
1.4	8QAM	1	5	22.29	22.36	22.45			
1.4	8QAM	3	0	22.24	22.53	22.44			
1.4	8QAM	3	1	22.19	22.45	22.49	22.5	3	
1.4	8QAM	3	3	22.35	22.46	22.62			
1.4	8QAM	6	0	21.33	21.39	21.48			

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	18.55	18.68	18.56	19	0	
20	QPSK	1	49	18.50	18.61	18.53			
20	QPSK	1	99	18.52	18.55	18.52	19	0	
20	QPSK	50	0	18.52	18.63	18.57			
20	QPSK	50	24	18.50	18.57	18.45	19	0	
20	QPSK	50	50	18.49	18.56	18.43			
20	QPSK	100	0	18.43	18.54	18.44	19	0	
20	16QAM	1	0	18.53	18.62	18.60			
20	16QAM	1	49	18.53	18.67	18.54	19	0	
20	16QAM	1	99	18.48	18.60	18.50			
20	16QAM	50	0	18.62	18.62	18.54	19	0	
20	16QAM	50	24	18.50	18.57	18.46			
20	16QAM	50	50	18.50	18.59	18.47	19	0	
20	16QAM	100	0	18.57	18.59	18.51			
20	64QAM	1	0	18.52	18.56	18.56	19	0	
20	64QAM	1	49	18.54	18.62	18.54			
20	64QAM	1	99	18.55	18.59	18.44	19	0	
20	64QAM	50	0	18.62	18.61	18.65			
20	64QAM	50	24	18.63	18.60	18.55	19	0	
20	64QAM	50	50	18.45	18.59	18.39			
20	64QAM	100	0	18.41	18.57	18.62	19	0	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.27	18.41	18.52		19	
15	QPSK	1	37	18.41	18.55	18.40	19	0	
15	QPSK	1	74	18.43	18.51	18.50			
15	QPSK	36	0	18.49	18.63	18.50	19	0	
15	QPSK	36	20	18.40	18.52	18.40			
15	QPSK	36	39	18.36	18.46	18.42	19	0	
15	QPSK	75	0	18.37	18.41	18.40			
15	16QAM	1	0	18.47	18.59	18.55	19	0	
15	16QAM	1	37	18.51	18.60	18.44			
15	16QAM	1	74	18.43	18.54	18.50	19	0	
15	16QAM	36	0	18.56	18.54	18.46			
15	16QAM	36	20	18.48	18.50	18.39	19	0	
15	16QAM	36	39	18.44	18.58	18.37			
15	16QAM	75	0	18.53	18.59	18.44	19	0	
15	64QAM	1	0	18.51	18.40	18.32			
15	64QAM	1	37	18.26	18.39	18.43	19	0	
15	64QAM	1	74	18.31	18.54	18.20			
15	64QAM	36	0	18.36	18.67	18.67	19	0	
15	64QAM	36	20	18.56	18.44	18.61			
15	64QAM	36	39	18.37	18.40	18.40	19	0	
15	64QAM	75	0	18.26	18.38	18.44			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.55	18.50	18.52	19	0	
10	QPSK	1	25	18.44	18.55	18.52			
10	QPSK	1	49	18.48	18.44	18.46	19	0	
10	QPSK	25	0	18.51	18.61	18.47			
10	QPSK	25	12	18.47	18.55	18.36	19	0	
10	QPSK	25	25	18.38	18.53	18.31			
10	QPSK	50	0	18.41	18.41	18.31	19	0	
10	16QAM	1	0	18.41	18.55	18.53			
10	16QAM	1	25	18.58	18.58	18.41	19	0	
10	16QAM	1	49	18.36	18.47	18.40			
10	16QAM	25	0	18.49	18.60	18.53	19	0	
10	16QAM	25	12	18.43	18.52	18.33			
10	16QAM	25	25	18.50	18.58	18.47	19	0	
10	16QAM	50	0	18.48	18.49	18.46			
10	64QAM	1	0	18.44	18.40	18.58	19	0	
10	64QAM	1	25	18.49	18.63	18.53			
10	64QAM	1	49	18.60	18.49	18.48	19	0	
10	64QAM	25	0	18.43	18.37	18.43			
10	64QAM	25	12	18.44	18.39	18.59	19	0	
10	64QAM	25	25	18.25	18.55	18.40			
10	64QAM	50	0	18.18	18.62	18.57	19	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.34	18.56	18.40		19	
5	QPSK	1	12	18.34	18.49	18.51	19	0	
5	QPSK	1	24	18.52	18.51	18.40			
5	QPSK	12	0	18.45	18.53	18.52	19	0	
5	QPSK	12	7	18.37	18.46	18.40			
5	QPSK	12	13	18.46	18.56	18.31	19	0	
5	QPSK	25	0	18.38	18.42	18.36			
5	16QAM	1	0	18.45	18.52	18.48	19	0	
5	16QAM	1	12	18.54	18.65	18.51			
5	16QAM	1	24	18.43	18.57	18.40	19	0	
5	16QAM	12	0	18.50	18.62	18.46			
5	16QAM	12	7	18.42	18.53	18.34	19	0	
5	16QAM	12	13	18.49	18.52	18.34			
5	16QAM	25	0	18.48	18.49	18.51	19	0	
5	64QAM	1	0	18.38	18.35	18.31			
5	64QAM	1	12	18.46	18.49	18.34	19	0	
5	64QAM	1	24	18.63	18.48	18.42			
5	64QAM	12	0	18.57	18.59	18.50	19	0	
5	64QAM	12	7	18.48	18.54	18.30			
5	64QAM	12	13	18.29	18.46	18.34	19	0	
5	64QAM	25	0	18.27	18.55	18.38			

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	18.52	18.66	18.57	20.5	0	
20	QPSK	1	49	18.51	18.52	18.56			
20	QPSK	1	99	18.50	18.53	18.52	20.5	0	
20	QPSK	50	0	18.55	18.65	18.55			
20	QPSK	50	24	18.51	18.57	18.50	20.5	0	
20	QPSK	50	50	18.52	18.59	18.51			
20	QPSK	100	0	18.52	18.57	18.53	20.5	0	
20	16QAM	1	0	18.63	18.59	18.61			
20	16QAM	1	49	18.62	18.64	18.65	20.5	0	
20	16QAM	1	99	18.64	18.64	18.63			
20	16QAM	50	0	18.51	18.55	18.58	20.5	0	
20	16QAM	50	24	18.52	18.51	18.58			
20	16QAM	50	50	18.55	18.50	18.52	20.5	0	
20	16QAM	100	0	18.52	18.55	18.54			
20	64QAM	1	0	18.59	18.56	18.52	20.5	0	
20	64QAM	1	49	18.53	18.59	18.64			
20	64QAM	1	99	18.65	18.61	18.57	20.5	0	
20	64QAM	50	0	18.50	18.55	18.56			
20	64QAM	50	24	18.52	18.50	18.56	20.5	0	
20	64QAM	50	50	18.54	18.51	18.59			
20	64QAM	100	0	18.52	18.56	18.52	20.5	0	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.57	18.58	18.58		20.5	
15	QPSK	1	37	18.58	18.58	18.57	20.5	0	
15	QPSK	1	74	18.51	18.62	18.58			
15	QPSK	36	0	18.63	18.57	18.52	20.5	0	
15	QPSK	36	20	18.55	18.55	18.56			
15	QPSK	36	39	18.61	18.62	18.59	20.5	0	
15	QPSK	75	0	18.56	18.55	18.56			
15	16QAM	1	0	18.50	18.63	18.61	20.5	0	
15	16QAM	1	37	18.50	18.51	18.52			
15	16QAM	1	74	18.56	18.50	18.51	20.5	0	
15	16QAM	36	0	18.54	18.53	18.55			
15	16QAM	36	20	18.60	18.52	18.57	20.5	0	
15	16QAM	36	39	18.63	18.57	18.60			
15	16QAM	75	0	18.56	18.56	18.52	20.5	0	
15	64QAM	1	0	18.56	18.63	18.56			
15	64QAM	1	37	18.51	18.56	18.56	20.5	0	
15	64QAM	1	74	18.60	18.50	18.58			
15	64QAM	36	0	18.59	18.53	18.52	20.5	0	
15	64QAM	36	20	18.58	18.60	18.54			
15	64QAM	36	39	18.55	18.52	18.59	20.5	0	
15	64QAM	75	0	18.59	18.53	18.51			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
10	QPSK	1	0	18.55	18.51	18.62	20.5	0	
10	QPSK	1	25	18.57	18.62	18.54			
10	QPSK	1	49	18.60	18.61	18.66	20.5	0	
10	QPSK	25	0	18.52	18.54	18.53			
10	QPSK	25	12	18.52	18.61	18.53	20.5	0	
10	QPSK	25	25	18.66	18.60	18.56			
10	QPSK	50	0	18.57	18.58	18.58	20.5	0	
10	16QAM	1	0	18.51	18.52	18.59			
10	16QAM	1	25	18.58	18.52	18.51	20.5	0	
10	16QAM	1	49	18.59	18.52	18.58			
10	16QAM	25	0	18.62	18.54	18.55	20.5	0	
10	16QAM	25	12	18.56	18.55	18.63			
10	16QAM	25	25	18.64	18.64	18.62	20.5	0	
10	16QAM	50	0	18.55	18.60	18.50			
10	64QAM	1	0	18.50	18.51	18.59	20.5	0	
10	64QAM	1	25	18.53	18.63	18.52			
10	64QAM	1	49	18.60	18.57	18.66	20.5	0	
10	64QAM	25	0	18.59	18.66	18.58			
10	64QAM	25	12	18.51	18.53	18.63	20.5	0	
10	64QAM	25	25	18.51	18.53	18.56			
10	64QAM	50	0	18.52	18.57	18.61	20.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.54	18.51	18.59		20.5	
5	QPSK	1	12	18.61	18.55	18.62	20.5	0	
5	QPSK	1	24	18.59	18.64	18.56			
5	QPSK	12	0	18.51	18.65	18.54	20.5	0	
5	QPSK	12	7	18.53	18.60	18.63			
5	QPSK	12	13	18.63	18.59	18.61	20.5	0	
5	QPSK	25	0	18.55	18.54	18.62			
5	16QAM	1	0	18.59	18.58	18.58	20.5	0	
5	16QAM	1	12	18.53	18.57	18.58			
5	16QAM	1	24	18.63	18.53	18.60	20.5	0	
5	16QAM	12	0	18.54	18.62	18.59			
5	16QAM	12	7	18.57	18.61	18.60	20.5	0	
5	16QAM	12	13	18.61	18.60	18.63			
5	16QAM	25	0	18.52	18.62	18.64	20.5	0	
5	64QAM	1	0	18.52	18.50	18.54			
5	64QAM	1	12	18.50	18.64	18.59	20.5	0	
5	64QAM	1	24	18.57	18.63	18.59			
5	64QAM	12	0	18.46	18.57	18.56	20.5	0	
5	64QAM	12	7	18.61	18.57	18.58			
5	64QAM	12	13	18.64	18.55	18.52	20.5	0	
5	64QAM	25	0	18.65	18.62	18.58			

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	25.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.46	24.51	24.45			
10	QPSK	1	25	24.40	24.41	24.43			
10	QPSK	1	49	24.33	24.35	24.35	24.5	1	
10	QPSK	25	0	23.43	23.53	23.95			
10	QPSK	25	12	23.33	23.37	23.33			
10	QPSK	25	25	23.31	23.42	23.37			
10	QPSK	50	0	23.42	23.50	23.37	24.5	1	
10	16QAM	1	0	23.52	23.60	23.54			
10	16QAM	1	25	23.37	23.50	23.46			
10	16QAM	1	49	23.52	23.61	23.47			
10	16QAM	25	0	22.46	22.55	22.44	23.5	2	
10	16QAM	25	12	22.41	22.41	22.28			
10	16QAM	25	25	22.41	22.43	22.31			
10	16QAM	50	0	22.40	22.49	22.42			
10	64QAM	1	0	22.35	22.48	22.34	23.5	2	
10	64QAM	1	25	22.52	22.56	22.55			
10	64QAM	1	49	22.40	22.41	22.41			
10	64QAM	25	0	21.51	21.56	21.43			
10	64QAM	25	12	21.29	21.42	21.29	22.5	3	
10	64QAM	25	25	21.30	21.40	21.40			
10	64QAM	50	0	21.31	21.46	21.34			
Channel				23035	23095	23155	25.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.28	24.47	24.29			
5	QPSK	1	12	24.14	24.27	24.46			
5	QPSK	1	24	24.05	24.34	24.34	24.5	1	
5	QPSK	12	0	23.16	23.25	23.38			
5	QPSK	12	7	23.10	23.20	23.38			
5	QPSK	12	13	23.22	23.28	23.43			
5	QPSK	25	0	23.35	23.24	23.34	24.5	1	
5	16QAM	1	0	23.26	23.43	23.35			
5	16QAM	1	12	23.09	23.35	23.23			
5	16QAM	1	24	23.31	23.38	23.49			
5	16QAM	12	0	22.44	22.28	22.20	23.5	2	
5	16QAM	12	7	22.19	22.45	22.36			
5	16QAM	12	13	22.40	22.50	22.18			
5	16QAM	25	0	22.36	22.27	22.17			
5	64QAM	1	0	22.28	22.23	22.33	23.5	2	
5	64QAM	1	12	22.25	22.45	22.62			
5	64QAM	1	24	22.35	22.31	22.41			
5	64QAM	12	0	21.39	21.43	21.29			
5	64QAM	12	7	21.37	21.35	21.08	22.5	3	
5	64QAM	12	13	21.30	21.25	21.39			
5	64QAM	25	0	21.39	21.41	21.33			
Channel				23025	23095	23165	25.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.48	24.48	24.40			
3	QPSK	1	8	24.38	24.42	24.49			
3	QPSK	1	14	24.36	24.19	24.17	24.5	1	
3	QPSK	8	0	23.21	23.30	23.26			
3	QPSK	8	4	23.11	23.26	23.07			
3	QPSK	8	7	23.09	23.15	23.41			
3	QPSK	15	0	23.35	23.24	23.24	24.5	1	
3	16QAM	1	0	23.42	23.50	23.51			
3	16QAM	1	8	23.25	23.56	23.54			
3	16QAM	1	14	23.50	23.53	23.42			
3	16QAM	8	0	22.23	22.33	22.36	23.5	2	
3	16QAM	8	4	22.19	22.30	22.19			
3	16QAM	8	7	22.28	22.46	22.28			
3	16QAM	15	0	22.41	22.24	22.40			
3	64QAM	1	0	22.15	22.34	22.09	23.5	2	
3	64QAM	1	8	22.35	22.58	22.48			
3	64QAM	1	14	22.31	22.15	22.47			
3	64QAM	8	0	21.51	21.41	21.22			
3	64QAM	8	4	21.27	21.35	21.30	22.5	3	
3	64QAM	8	7	21.31	21.44	21.23			
3	64QAM	15	0	21.04	21.50	21.28			
Channel				23017	23095	23173	25.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.45	24.47	24.45			
1.4	QPSK	1	3	24.34	24.44	24.32			
1.4	QPSK	1	5	24.30	24.22	24.30	24.5	1	
1.4	QPSK	3	0	24.32	24.32	24.10			
1.4	QPSK	3	1	24.14	24.24	24.16			
1.4	QPSK	3	3	24.04	24.13	24.30			
1.4	QPSK	6	0	23.26	23.43	23.23	24.5	1	
1.4	16QAM	1	0	23.38	23.51	23.36			
1.4	16QAM	1	3	23.44	23.54	23.41			
1.4	16QAM	1	5	23.58	23.55	23.19			
1.4	16QAM	3	0	23.29	23.37	23.09	23.5	2	
1.4	16QAM	3	1	23.32	23.35	23.22			
1.4	16QAM	3	3	23.11	23.41	23.18			
1.4	16QAM	6	0	22.19	22.49	22.39			
1.4	64QAM	1	0	22.19	22.50	22.40	22.5	3	
1.4	64QAM	1	3	22.47	22.43	22.30			
1.4	64QAM	1	5	22.21	22.19	22.24			
1.4	64QAM	3	0	22.46	22.46	22.06			
1.4	64QAM	3	1	22.05	22.30	22.25	22.5	3	
1.4	64QAM	3	3	22.24	22.29	22.19			
1.4	64QAM	6	0	21.05	21.20	21.08			

Band 12_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				23060	23095	23130	25	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.67	23.70	23.65			
10	QPSK	1	25	23.60	23.67	23.62			
10	QPSK	1	49	23.63	23.65	23.64	24	1	
10	QPSK	25	0	22.71	22.50	22.55			
10	QPSK	25	12	22.48	22.63	22.48			
10	QPSK	25	25	22.62	22.67	22.55			
10	QPSK	50	0	22.66	22.76	22.72	24	1	
10	16QAM	1	0	22.55	22.62	22.59			
10	16QAM	1	25	22.64	22.73	22.69			
10	16QAM	1	49	22.55	22.68	22.64			
10	16QAM	25	0	21.67	21.80	21.79	23	2	
10	16QAM	25	12	21.54	21.56	21.42			
10	16QAM	25	25	21.49	21.51	21.41			
10	16QAM	50	0	21.63	21.68	21.65			
10	64QAM	1	0	21.50	21.65	21.50	23	2	
10	64QAM	1	25	21.58	21.71	21.57			
10	64QAM	1	49	21.57	21.61	21.48			
10	64QAM	25	0	20.72	20.86	20.76			
10	64QAM	25	12	20.40	20.54	20.39	22	3	
10	64QAM	25	25	20.58	20.60	20.46			
10	64QAM	50	0	20.48	20.61	20.52			
Channel				23035	23095	23155	25	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.58	23.63	23.51			
5	QPSK	1	12	23.61	23.55	23.42			
5	QPSK	1	24	23.65	23.67	23.54	24	1	
5	QPSK	12	0	22.74	22.70	22.49			
5	QPSK	12	7	22.25	22.53	22.45			
5	QPSK	12	13	22.49	22.71	22.38			
5	QPSK	25	0	22.54	22.51	22.57	24	1	
5	16QAM	1	0	22.61	22.43	22.63			
5	16QAM	1	12	22.53	22.48	22.45			
5	16QAM	1	24	22.43	22.61	22.52	23	2	
5	16QAM	12	0	21.75	21.56	21.86			
5	16QAM	12	7	21.43	21.39	21.38			
5	16QAM	12	13	21.45	21.54	21.37			
5	16QAM	25	0	21.37	21.43	21.43	23	2	
5	16QAM	25	1	21.45	21.59	21.54			
5	64QAM	1	12	21.43	21.76	21.51			
5	64QAM	1	24	21.53	21.54	21.40			
5	64QAM	12	7	20.54	20.69	20.60	22	3	
5	64QAM	12	7	20.22	20.47	20.30			
5	64QAM	12	13	20.39	20.64	20.30			
5	64QAM	25	0	20.39	20.64	20.54			
Channel				23025	23095	23165	25	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.47	23.45	23.55			
3	QPSK	1	8	23.61	23.61	23.63			
3	QPSK	1	14	23.49	23.66	23.65	24	1	
3	QPSK	8	0	22.52	22.55	22.52			
3	QPSK	8	4	22.43	22.37	22.32			
3	QPSK	8	7	22.69	22.69	22.54			
3	QPSK	15	0	22.55	22.77	22.51	24	1	
3	16QAM	1	0	22.35	22.42	22.37			
3	16QAM	1	8	22.59	22.81	22.56			
3	16QAM	1	14	22.40	22.70	22.40			
3	16QAM	8	0	21.52	21.65	21.72	23	2	
3	16QAM	8	4	21.29	21.52	21.29			
3	16QAM	8	7	21.57	21.47	21.47			
3	16QAM	15	0	21.48	21.58	21.70			
3	64QAM	1	0	21.24	21.44	21.25	23	2	
3	64QAM	1	8	21.50	21.51	21.49			
3	64QAM	1	14	21.38	21.52	21.54			
3	64QAM	8	0	20.77	20.58	20.78			
3	64QAM	8	4	20.36	20.37	20.40	22	3	
3	64QAM	8	7	20.37	20.36	20.31			
3	64QAM	15	0	20.32	20.52	20.52			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	25	0	
1.4	QPSK	1	0	23.46	23.58	23.49			
1.4	QPSK	1	3	23.36	23.47	23.50			
1.4	QPSK	1	5	23.46	23.47	23.45			
1.4	QPSK	3	0	23.36	23.65	23.36	24	1	
1.4	QPSK	3	3	23.20	23.57	23.23			
1.4	QPSK	3	5	23.49	23.53	23.38			
1.4	QPSK	6	0	22.69	22.58	22.59			
1.4	16QAM	1	0	22.49	22.50	22.44	24	1	
1.4	16QAM	1	3	22.47	22.49	22.48			
1.4	16QAM	1	5	22.43	22.56	22.53			
1.4	16QAM	3	0	22.47	22.43	22.47			
1.4	16QAM	3	1	22.48	22.27	22.26	23	2	
1.4	16QAM	3	3	22.42	22.38	22.37			
1.4	16QAM	6	0	21.64	21.51	21.49			
1.4	64QAM	1	0	21.42	21.53	21.36			
1.4	64QAM	1	3	21.48	21.59	21.60	23	2	
1.4	64QAM	1	5	21.65	21.61	21.29			
1.4	64QAM	3	0	21.36	21.72	21.63			
1.4	64QAM	3	1	21.24	21.49	21.53			
1.4	64QAM	3	3	21.40	21.24	21.23	22	3	
1.4	64QAM	6	0	20.33	20.54	20.36			

Band 66_Ant 0									
BW [MHz]	Modulatio n	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	18.07	18.18	18.01	19.7	0	
20	QPSK	1	49	18.01	18.02	17.95			
20	QPSK	1	99	18.03	18.06	17.94			
20	QPSK	50	0	18.08	18.15	18.07	19.7	0	
20	QPSK	50	24	17.95	18.05	18.07			
20	QPSK	50	50	18.06	18.05	17.85			
20	QPSK	100	0	17.98	18.12	17.89	19.7	0	
20	16QAM	1	0	18.05	18.10	17.85			
20	16QAM	1	49	18.10	18.04	17.81			
20	16QAM	1	99	17.96	17.96	17.78	19.7	0	
20	16QAM	50	0	18.15	18.10	17.92			
20	16QAM	50	24	17.86	17.90	17.85			
20	16QAM	50	50	17.98	18.01	17.90	19.7	0	
20	16QAM	100	0	17.94	18.11	18.06			
20	64QAM	1	0	18.01	17.93	17.88			
20	64QAM	1	49	17.97	18.03	18.10	19.7	0	
20	64QAM	1	99	18.05	17.79	17.97			
20	64QAM	50	0	17.76	18.07	18.03			
20	64QAM	50	24	17.93	18.06	17.97	19.7	0	
20	64QAM	50	50	17.88	17.93	17.73			
20	64QAM	100	0	17.89	17.92	17.88			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	17.82	18.00	17.77			
15	QPSK	1	37	17.99	17.90	17.79	19.7	0	
15	QPSK	1	74	17.87	17.86	17.83			
15	QPSK	36	0	17.94	18.06	18.02			
15	QPSK	36	20	17.81	18.01	17.88	19.7	0	
15	QPSK	36	39	17.99	17.87	17.81			
15	QPSK	75	0	17.90	18.02	17.84			
15	16QAM	1	0	17.92	18.05	17.73	19.7	0	
15	16QAM	1	37	18.10	18.03	17.82			
15	16QAM	1	74	17.81	17.88	17.78			
15	16QAM	36	0	18.10	18.05	17.81	19.7	0	
15	16QAM	36	20	17.77	17.80	17.72			
15	16QAM	36	39	17.94	17.87	17.71			
15	16QAM	75	0	17.84	18.02	18.09	19.7	0	
15	64QAM	1	0	17.84	18.01	17.89			
15	64QAM	1	37	17.77	17.93	17.76			
15	64QAM	1	74	18.03	17.96	17.78	19.7	0	
15	64QAM	36	0	17.75	17.97	18.02			
15	64QAM	36	20	17.70	17.73	17.73			
15	64QAM	36	39	17.71	17.91	17.77	19.7	0	
15	64QAM	75	0	17.74	17.74	17.74			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	17.89	18.06	17.88			
10	QPSK	1	25	17.94	18.00	17.88	19.7	0	
10	QPSK	1	49	17.89	17.86	17.87			
10	QPSK	25	0	17.99	17.99	17.90			
10	QPSK	25	12	17.85	18.02	17.88	19.7	0	
10	QPSK	25	25	17.88	17.93	17.85			
10	QPSK	50	0	17.99	18.02	17.76			
10	16QAM	1	0	17.99	17.99	17.81	19.7	0	
10	16QAM	1	25	18.00	18.02	17.81			
10	16QAM	1	49	17.91	17.96	17.78			
10	16QAM	25	0	18.01	17.98	17.89	19.7	0	
10	16QAM	25	12	17.85	17.89	17.78			
10	16QAM	25	25	17.88	17.89	17.81			
10	16QAM	50	0	17.84	17.98	18.03	19.7	0	
10	64QAM	1	0	17.76	17.87	17.71			
10	64QAM	1	25	17.79	17.93	17.87			
10	64QAM	1	49	17.81	17.91	17.87	19.7	0	
10	64QAM	25	0	17.79	17.76	17.78			
10	64QAM	25	12	17.82	17.76	17.72			
10	64QAM	25	25	17.70	17.76	17.77	19.7	0	
10	64QAM	50	0	17.72	17.75	17.71			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	17.92	17.90	18.03			
5	QPSK	1	12	17.96	17.98	17.90	19.7	0	
5	QPSK	1	24	17.96	17.92	17.85			
5	QPSK	12	0	18.02	17.97	17.89			
5	QPSK	12	7	17.93	18.03	17.88	19.7	0	
5	QPSK	12	13	17.91	17.93	17.86			
5	QPSK	25	0	18.00	17.90	17.87			
5	16QAM	1	0	18.05	18.02	17.84	19.7	0	
5	16QAM	1	12	18.10	18.04	17.74			
5	16QAM	1	24	17.81	17.88	17.76			
5	16QAM	12	0	18.09	17.93	17.86	19.7	0	
5	16QAM	12	7	17.87	17.90	17.78			
5	16QAM	12	13	17.98	17.87	17.83			
5	16QAM	25	0	17.91	17.99	18.09	19.7	0	
5	64QAM	1	0	17.72	17.71	17.73			
5	64QAM	1	12	17.78	18.04	17.80			
5	64QAM	1	24	17.97	17.79	18.01	19.7	0	
5	64QAM	12	0	17.83	17.93	18.07			
5	64QAM	12	7	17.79	17.76	18.05			
5	64QAM	12	13	17.88	18.05	17.71	19.7	0	
5	64QAM	25	0	17.87	17.86	17.82			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	17.88	17.94	18.02			
3	QPSK	1	8	17.88	17.92	17.92	19.7	0	
3	QPSK	1	14	17.88	17.97	17.94			
3	QPSK	8	0	17.91	18.03	17.96			
3	QPSK	8	4	17.93	17.94	17.94	19.7	0	
3	QPSK	8	7	17.89	17.96	17.86			
3	QPSK	15	0	17.97	17.95	17.83			
3	16QAM	1	0	17.92	18.05	17.79	19.7	0	
3	16QAM	1	8	18.03	18.02	17.78			
3	16QAM	1	14	17.85	17.92	17.72			
3	16QAM	8	0	18.05	17.96	17.77	19.7	0	
3	16QAM	8	4	17.85	17.78	17.75			
3	16QAM	8	7	17.91	17.89	17.71			
3	16QAM	15	0	17.85	17.92	18.03	19.7	0	
3	64QAM	1	0	17.78	17.83	17.74			
3	64QAM	1	8	17.88	18.01	17.95			
3	64QAM	1	14	18.06	17.95	17.80	19.7	0	
3	64QAM	8	0	17.77	18.06	17.84			
3	64QAM	8	4	17.83	17.75	17.84			
3	64QAM	8	7	17.79	17.91	17.77	19.7	0	
3	64QAM	15	0	17.84	17.95	17.76			
Channel				131979	132322	132695	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	18.01	17.72	17.75			
1.4	QPSK	1	3	18.05	17.93	17.86	19.7	0	
1.4	QPSK	1	5	17.84	17.79	17.76			
1.4	QPSK	3	0	17.86	17.97	17.85			
1.4	QPSK	3	1	17.74	17.80	17.82	19.7	0	
1.4	QPSK	3	3	17.74	17.88	17.87			
1.4	QPSK	6	0	17.90	17.83	17.77			
1.4	16QAM	1	0	17.79	17.96	17.82	19.7	0	
1.4	16QAM	1	3	18.10	17.87	17.80			
1.4	16QAM	1	5	18.01	17.74	17.81			
1.4	16QAM	3	0	18.05	17.85	17.80	19.7	0	
1.4	16QAM	3	1	17.78	17.84	17.83			
1.4	16QAM	3	3	17.90	17.83	17.84			
1.4	16QAM	6	0	17.83	17.77	17.80	19.7	0	
1.4	64QAM	1	0	17.92	17.73	17.89			
1.4	64QAM	1	3	17.85	18.07	17.83			
1.4	64QAM	1	5	17.82	17.81	17.75	19.7	0	
1.4	64QAM	3	0	17.89	17.92	17.85			
1.4	64QAM	3	1	17.85	17.78	17.86			
1.4	64QAM	3	3	18.00	17.95	17.78	19.7	0	
1.4	64QAM	6	0	17.71	17.88	17.70			

Band 66_Ant 2									
BW [MHz]	Modulatio n	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	21.32	21.38	21.51	22.2	0	
20	QPSK	1	49	21.29	21.32	21.30			
20	QPSK	1	99	21.31	21.29	21.30			
20	QPSK	50	0	21.34	21.35	21.33			
20	QPSK	50	24	21.34	21.31	21.32	22.2	0	
20	QPSK	50	50	21.32	21.29	21.30			
20	QPSK	100	0	21.32	21.34	21.32			
20	16QAM	1	0	20.73	20.74	20.70			
20	16QAM	1	49	21.25	21.28	21.27	22.2	0	
20	16QAM	1	99	21.31	21.31	21.36			
20	16QAM	50	0	21.26	21.30	21.35			
20	16QAM	50	24	21.31	21.26	21.35			
20	16QAM	50	50	21.32	21.28	21.28	22.2	0	
20	16QAM	100	0	21.31	21.32	21.30			
20	64QAM	1	0	21.16	21.27	21.20			
20	64QAM	1	49	21.37	21.33	21.37			
20	64QAM	1	99	20.76	20.77	20.93	22.2	0	
20	64QAM	50	0	20.20	20.38	20.37			
20	64QAM	50	24	20.34	20.32	20.45			
20	64QAM	50	50	20.13	20.28	20.11			
20	64QAM	100	0	20.35	20.31	20.33	21.2	1	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.29	21.14	21.35	22.2	0	
15	QPSK	1	37	21.21	21.29	21.21			
15	QPSK	1	74	21.23	21.20	21.22			
15	QPSK	36	0	21.33	21.35	21.29			
15	QPSK	36	20	21.38	21.24	21.27	22.2	0	
15	QPSK	36	39	21.28	21.30	21.32			
15	QPSK	75	0	21.23	21.33	21.29			
15	16QAM	1	0	20.75	20.76	20.65			
15	16QAM	1	37	21.24	21.19	21.29	22.2	0	
15	16QAM	1	74	21.22	21.30	21.27			
15	16QAM	36	0	21.25	21.34	21.33			
15	16QAM	36	20	21.35	21.19	21.27			
15	16QAM	36	39	21.34	21.28	21.24	22.2	0	
15	16QAM	75	0	21.27	21.24	21.34			
15	64QAM	1	0	21.11	21.20	21.21			
15	64QAM	1	37	21.37	21.28	21.37			
15	64QAM	1	74	20.69	20.72	20.71	22.2	0	
15	64QAM	36	0	20.20	20.34	20.14			
15	64QAM	36	20	20.42	20.40	20.55			
15	64QAM	36	39	20.20	20.24	20.11			
15	64QAM	75	0	20.46	20.16	20.44	21.2	1	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.26	21.36	21.11	22.2	0	
10	QPSK	1	25	21.32	21.28	21.22			
10	QPSK	1	49	21.31	21.30	21.23			
10	QPSK	25	0	21.35	21.31	21.37			
10	QPSK	25	12	21.34	21.32	21.28	22.2	0	
10	QPSK	25	25	21.35	21.29	21.23			
10	QPSK	50	0	21.36	21.32	21.33			
10	16QAM	1	0	20.75	20.67	20.70			
10	16QAM	1	25	21.18	21.23	21.28	22.2	0	
10	16QAM	1	49	21.27	21.32	21.38			
10	16QAM	25	0	21.24	21.24	21.37			
10	16QAM	25	12	21.33	21.30	21.34			
10	16QAM	25	25	21.33	21.27	21.31	22.2	0	
10	16QAM	50	0	21.27	21.36	21.30			
10	64QAM	1	0	20.98	21.33	21.32			
10	64QAM	1	25	21.15	21.33	21.21			
10	64QAM	1	49	20.72	20.84	20.92	22.2	0	
10	64QAM	25	0	20.12	20.31	20.44			
10	64QAM	25	12	20.20	20.29	20.48			
10	64QAM	25	25	20.07	20.26	19.89			
10	64QAM	50	0	20.15	20.24	20.21	21.2	1	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.13	21.26	21.35	22.2	0	
5	QPSK	1	12	21.28	21.27	21.30			
5	QPSK	1	24	21.30	21.31	21.26			
5	QPSK	12	0	21.26	21.27	21.31			
5	QPSK	12	7	21.29	21.34	21.34	22.2	0	
5	QPSK	12	13	21.30	21.21	21.31			
5	QPSK	25	0	21.35	21.34	21.23			
5	16QAM	1	0	20.75	20.69	20.70			
5	16QAM	1	12	21.23	21.19	21.30	22.2	0	
5	16QAM	1	24	21.23	21.32	21.35			
5	16QAM	12	0	21.20	21.30	21.31			
5	16QAM	12	7	21.22	21.30	21.36			
5	16QAM	12	13	21.36	21.29	21.25	22.2	0	
5	16QAM	25	0	21.33	21.35	21.32			
5	64QAM	1	0	20.92	21.25	21.26			
5	64QAM	1	12	21.37	21.34	21.24			
5	64QAM	1	24	20.64	20.77	20.73	22.2	0	
5	64QAM	12	0	20.24	20.45	20.47			
5	64QAM	12	7	20.26	20.15	20.29			
5	64QAM	12	13	20.09	20.38	19.88			
5	64QAM	25	0	20.28	20.20	20.33	21.2	1	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	21.11	21.16	21.12	22.2	0	
3	QPSK	1	8	21.30	21.28	21.32			
3	QPSK	1	14	21.34	21.32	21.32			
3	QPSK	8	0	21.35	21.29	21.30			
3	QPSK	8	4	21.30	21.22	21.25	22.2	0	
3	QPSK	8	7	21.29	21.20	21.34			
3	QPSK	15	0	21.25	21.36	21.36			
3	16QAM	1	0	20.73	20.68	20.73			
3	16QAM	1	8	21.28	21.19	21.18	22.2	0	
3	16QAM	1	14	21.22	21.29	21.28			
3	16QAM	8	0	21.27	21.25	21.38			
3	16QAM	8	4	21.31	21.17	21.32			
3	16QAM	8	7	21.31	21.28	21.26	22.2	0	
3	16QAM	15	0	21.30	21.27	21.24			
3	64QAM	1	0	20.93	21.33	21.31			
3	64QAM	1	8	21.29	21.10	21.25			
3	64QAM	1	14	20.76	20.81	20.73	22.2	0	
3	64QAM	8	0	20.05	20.30	20.43			
3	64QAM	8	4	20.39	20.41	20.21			
3	64QAM	8	7	20.18	20.26	19.98			
3	64QAM	15	0	20.38	20.17	20.26	21.2	1	
Channel				131979	132322	132695			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	21.26	21.33	21.09	22.2	0	
1.4	QPSK	1	3	21.24	21.29	21.34			
1.4	QPSK	1	5	21.24	21.31	21.26			
1.4	QPSK	3	0	21.26	21.32	21.35			
1.4	QPSK	3	1	21.26	21.29	21.28	22.2	0	
1.4	QPSK	3	3	21.28	21.24	21.32			
1.4	QPSK	6	0	21.28	21.26	21.33			
1.4	16QAM	1	0	20.75	20.69	20.64			
1.4	16QAM	1	3	21.27	21.24	21.28	22.2	0	
1.4	16QAM	1	5	21.23	21.29	21.27			
1.4	16QAM	3	0	21.26	21.34	21.28			
1.4	16QAM	3	1	21.24	21.26	21.34	22.2	0	
1.4	16QAM	3	3	21.35	21.26	21.29			
1.4	16QAM	6	0	21.30	21.25	21.34			
1.4	64QAM	1	0	21.16	21.23	21.18	22.2	0	
1.4	64QAM	1	3	21.10	21.16	21.13			
1.4	64QAM	1	5	21.22	21.23	21.27			
1.4	64QAM	3	0	21.29	21.16	21.07	21.2	1	
1.4	64QAM	3	1	21.29	21.33	21.34			
1.4	64QAM	3	3	21.24	21.20	21.21			

Band 38_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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.55	20.68	20.56	21.7	0		
20	QPSK	1	49	20.45	20.46	20.26				
20	QPSK	1	99	20.47	20.32	20.29				
20	QPSK	50	0	20.59	20.64	20.53	21.7	0		
20	QPSK	50	24	20.55	20.53	20.43				
20	QPSK	50	50	20.48	20.64	20.46				
20	QPSK	100	0	20.57	20.61	20.58	21.7	0		
20	16QAM	1	0	20.44	20.60	20.56				
20	16QAM	1	49	20.65	20.58	20.60				
20	16QAM	1	99	20.45	20.52	20.46	21.7	0		
20	16QAM	50	0	20.67	20.67	20.60				
20	16QAM	50	24	20.65	20.57	20.48				
20	16QAM	50	50	20.65	20.63	20.66	21.7	0		
20	16QAM	100	0	20.66	20.61	20.62				
20	64QAM	1	0	20.61	20.61	20.46				
20	64QAM	1	49	20.55	20.59	20.42	21.7	0		
20	64QAM	1	99	20.58	20.51	20.61				
20	64QAM	50	0	19.99	20.17	19.83				
20	64QAM	50	24	19.93	19.95	20.16	20.7	1		
20	64QAM	50	50	19.86	20.01	20.09				
20	64QAM	100	0	19.84	20.15	19.94				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.42	20.50	20.18	21.7	0		
15	QPSK	1	37	20.24	20.24	20.28				
15	QPSK	1	74	20.32	20.19	20.06				
15	QPSK	36	0	20.50	20.59	20.45	21.7	0		
15	QPSK	36	20	20.48	20.50	20.53				
15	QPSK	36	39	20.43	20.55	20.44				
15	QPSK	75	0	20.49	20.53	20.47	21.7	0		
15	16QAM	1	0	20.25	20.39	20.48				
15	16QAM	1	37	20.55	20.51	20.37				
15	16QAM	1	74	20.25	20.36	20.25	21.7	0		
15	16QAM	36	0	20.42	20.57	20.48				
15	16QAM	36	20	20.51	20.55	20.55				
15	16QAM	36	39	20.54	20.54	20.47	21.7	0		
15	16QAM	75	0	20.54	20.63	20.56				
15	64QAM	1	0	20.47	20.27	20.44				
15	64QAM	1	37	20.40	20.60	20.37	21.7	0		
15	64QAM	1	74	20.26	20.29	20.36				
15	64QAM	36	0	19.89	19.80	19.69				
15	64QAM	36	20	19.91	20.09	19.79	20.7	1		
15	64QAM	36	39	19.95	19.82	20.11				
15	64QAM	75	0	19.97	20.12	19.89				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.38	20.31	20.20	21.7	0		
10	QPSK	1	25	20.24	20.26	20.16				
10	QPSK	1	49	20.24	20.07	20.11				
10	QPSK	25	0	20.48	20.48	20.50	21.7	0		
10	QPSK	25	12	20.49	20.45	20.51				
10	QPSK	25	25	20.45	20.43	20.48				
10	QPSK	50	0	20.51	20.46	20.47	21.7	0		
10	16QAM	1	0	20.33	20.46	20.48				
10	16QAM	1	25	20.46	20.55	20.42				
10	16QAM	1	49	20.36	20.38	20.32	21.7	0		
10	16QAM	25	0	20.45	20.57	20.45				
10	16QAM	25	12	20.56	20.58	20.51				
10	16QAM	25	25	20.47	20.56	20.45	21.7	0		
10	16QAM	50	0	20.57	20.60	20.56				
10	64QAM	1	0	20.35	20.46	20.29				
10	64QAM	1	25	20.56	20.33	20.29	21.7	0		
10	64QAM	1	49	20.22	20.58	20.20				
10	64QAM	25	0	19.75	19.82	19.96				
10	64QAM	25	12	19.85	19.94	19.83	20.7	1		
10	64QAM	25	25	19.90	19.83	19.88				
10	64QAM	50	0	19.95	20.09	19.84				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.43	20.52	20.50	21.7	0		
5	QPSK	1	12	20.27	20.32	20.18				
5	QPSK	1	24	20.30	20.13	20.06				
5	QPSK	12	0	20.51	20.46	20.50	21.7	0		
5	QPSK	12	7	20.46	20.55	20.52				
5	QPSK	12	13	20.47	20.50	20.37				
5	QPSK	25	0	20.39	20.55	20.51	21.7	0		
5	16QAM	1	0	20.29	20.40	20.43				
5	16QAM	1	12	20.47	20.49	20.43				
5	16QAM	1	24	20.31	20.43	20.30	21.7	0		
5	16QAM	12	0	20.45	20.51	20.48				
5	16QAM	12	7	20.48	20.56	20.58				
5	16QAM	12	13	20.41	20.62	20.46	21.7	0		
5	16QAM	25	0	20.56	20.58	20.56				
5	64QAM	1	0	20.28	20.55	20.28				
5	64QAM	1	12	20.55	20.35	20.43	21.7	0		
5	64QAM	1	24	20.29	20.40	20.18				
5	64QAM	12	0	19.81	19.95	19.81				
5	64QAM	12	7	19.74	20.06	19.73	20.7	1		
5	64QAM	12	13	20.04	19.94	19.80				
5	64QAM	25	0	19.73	20.00	19.94				

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	17.81	17.92	17.80	19	0	
20	QPSK	1	49	17.78	17.87	17.79			
20	QPSK	1	99	17.77	17.78	17.67			
20	QPSK	50	0	17.76	17.89	17.84	19	0	
20	QPSK	50	24	17.75	17.85	17.82			
20	QPSK	50	50	17.74	17.83	17.74			
20	QPSK	100	0	17.71	17.82	17.75	19	0	
20	16QAM	1	0	17.75	17.83	17.76			
20	16QAM	1	49	17.78	17.90	17.82			
20	16QAM	1	99	17.83	17.87	17.79	19	0	
20	16QAM	50	0	17.80	17.81	17.79			
20	16QAM	50	24	17.85	17.85	17.76			
20	16QAM	50	50	17.81	17.81	17.69	19	0	
20	16QAM	100	0	17.76	17.86	17.80			
20	64QAM	1	0	17.57	17.78	17.59			
20	64QAM	1	49	17.74	17.91	17.84	19	0	
20	64QAM	1	99	17.77	17.83	17.82			
20	64QAM	50	0	17.57	17.81	17.83			
20	64QAM	50	24	17.73	17.87	17.67	19	0	
20	64QAM	50	50	17.89	17.81	17.82			
20	64QAM	100	0	17.62	17.84	17.87			
Channel				37825	38000	38175	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.75	17.70	17.68	19	0	
15	QPSK	1	37	17.71	17.80	17.79			
15	QPSK	1	74	17.72	17.84	17.67			
15	QPSK	36	0	17.79	17.86	17.76	19	0	
15	QPSK	36	20	17.68	17.79	17.83			
15	QPSK	36	39	17.67	17.88	17.77			
15	QPSK	75	0	17.66	17.77	17.75	19	0	
15	16QAM	1	0	17.80	17.81	17.70			
15	16QAM	1	37	17.82	17.86	17.82			
15	16QAM	1	74	17.80	17.87	17.84	19	0	
15	16QAM	36	0	17.85	17.85	17.77			
15	16QAM	36	20	17.82	17.82	17.77			
15	16QAM	36	39	17.77	17.75	17.75	19	0	
15	16QAM	75	0	17.76	17.81	17.82			
15	64QAM	1	0	17.48	17.91	17.85			
15	64QAM	1	37	17.80	17.81	17.68	19	0	
15	64QAM	1	74	17.88	17.73	17.42			
15	64QAM	36	0	17.42	17.76	17.49			
15	64QAM	36	20	17.81	17.70	17.48	19	0	
15	64QAM	36	39	17.68	17.67	17.83			
15	64QAM	75	0	17.53	17.88	17.77			
Channel				37800	38000	38200	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.90	17.89	17.85	19	0	
10	QPSK	1	25	17.76	17.73	17.75			
10	QPSK	1	49	17.74	17.73	17.60			
10	QPSK	25	0	17.71	17.88	17.85	19	0	
10	QPSK	25	12	17.77	17.79	17.88			
10	QPSK	25	25	17.76	17.86	17.67			
10	QPSK	50	0	17.76	17.77	17.81	19	0	
10	16QAM	1	0	17.71	17.80	17.78			
10	16QAM	1	25	17.71	17.92	17.86			
10	16QAM	1	49	17.87	17.91	17.76	19	0	
10	16QAM	25	0	17.84	17.80	17.82			
10	16QAM	25	12	17.83	17.91	17.71			
10	16QAM	25	25	17.78	17.74	17.73	19	0	
10	16QAM	50	0	17.71	17.87	17.86			
10	64QAM	1	0	17.46	17.89	17.81			
10	64QAM	1	25	17.62	17.56	17.82	19	0	
10	64QAM	1	49	17.65	17.65	17.89			
10	64QAM	25	0	17.37	17.73	17.69			
10	64QAM	25	12	17.84	17.73	17.55	19	0	
10	64QAM	25	25	17.67	17.82	17.65			
10	64QAM	50	0	17.55	17.71	17.82			
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2572.5	2596	2617.5			
5	QPSK	1	0	17.91	17.85	17.86	19	0	
5	QPSK	1	12	17.83	17.84	17.80			
5	QPSK	1	24	17.74	17.73	17.64			
5	QPSK	12	0	17.75	17.87	17.83	19	0	
5	QPSK	12	7	17.76	17.81	17.81			
5	QPSK	12	13	17.69	17.82	17.80			
5	QPSK	25	0	17.74	17.85	17.68	19	0	
5	16QAM	1	0	17.72	17.78	17.71			
5	16QAM	1	12	17.73	17.85	17.86			
5	16QAM	1	24	17.79	17.80	17.75	19	0	
5	16QAM	12	0	17.76	17.76	17.81			
5	16QAM	12	7	17.86	17.79	17.70			
5	16QAM	12	13	17.84	17.74	17.75	19	0	
5	16QAM	25	0	17.78	17.89	17.73			
5	64QAM	1	0	17.71	17.81	17.49			
5	64QAM	1	12	17.86	17.70	17.81	19	0	
5	64QAM	1	24	17.56	17.72	17.67			
5	64QAM	12	0	17.48	17.62	17.72			
5	64QAM	12	7	17.62	17.56	17.55	19	0	
5	64QAM	12	13	17.81	17.50	17.89			
5	64QAM	25	0	17.63	17.73	17.82			

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	16.91	17.00	16.87	18.2	0			
20	QPSK	1	49	16.85	16.99	16.87					
20	QPSK	1	99	16.74	16.83	16.82					
20	QPSK	50	0	16.86	16.93	16.85					
20	QPSK	50	24	16.85	16.92	16.78	18.2	0			
20	QPSK	50	50	16.75	16.87	16.74					
20	QPSK	100	0	16.83	16.90	16.76					
20	16QAM	1	0	16.79	16.93	16.83					
20	16QAM	1	49	16.95	16.98	16.89	18.2	0			
20	16QAM	1	99	16.90	16.97	16.92					
20	16QAM	50	0	16.86	16.87	16.79					
20	16QAM	50	24	16.85	16.91	16.86					
20	16QAM	50	50	16.84	16.93	16.81	18.2	0			
20	16QAM	100	0	16.79	16.91	16.85					
20	64QAM	1	0	16.77	16.96	16.77					
20	64QAM	1	49	16.91	16.98	17.00		18.2	0		
20	64QAM	1	99	16.88	16.94	16.83					
20	64QAM	50	0	16.87	16.84	16.87					
20	64QAM	50	24	16.81	16.99	16.72					
20	64QAM	50	50	16.90	16.93	16.77	18.2	0			
20	64QAM	100	0	16.67	16.91	16.97					
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	16.94	16.92	16.66	18.2	0			
15	QPSK	1	37	16.77	16.95	16.79					
15	QPSK	1	74	16.73	16.82	16.80					
15	QPSK	36	0	16.79	16.88	16.82					
15	QPSK	36	20	16.88	16.95	16.71	18.2	0			
15	QPSK	36	39	16.74	16.91	16.77					
15	QPSK	75	0	16.86	16.81	16.67					
15	16QAM	1	0	16.80	16.91	16.81					
15	16QAM	1	37	16.96	16.92	16.80	18.2	0			
15	16QAM	1	74	16.82	16.95	16.88					
15	16QAM	36	0	16.82	16.80	16.76					
15	16QAM	36	20	16.81	16.82	16.84					
15	16QAM	36	39	16.79	16.91	16.77	18.2	0			
15	16QAM	75	0	16.78	16.93	16.80					
15	64QAM	1	0	16.60	16.81	16.79					
15	64QAM	1	37	16.81	16.91	16.83		18.2	0		
15	64QAM	1	74	16.83	16.93	16.67					
15	64QAM	36	0	16.67	16.85	16.75					
15	64QAM	36	20	16.64	16.83	16.83					
15	64QAM	36	39	16.84	16.87	16.60	18.2	0			
15	64QAM	75	0	16.48	16.82	16.98					
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	16.68	16.73	16.66	18.2	0			
10	QPSK	1	25	16.80	16.86	16.77					
10	QPSK	1	49	16.63	16.71	16.78					
10	QPSK	25	0	16.79	16.87	16.71					
10	QPSK	25	12	16.81	16.90	16.70	18.2	0			
10	QPSK	25	25	16.71	16.78	16.73					
10	QPSK	50	0	16.74	16.81	16.70					
10	16QAM	1	0	16.69	16.88	16.76					
10	16QAM	1	25	16.81	16.93	16.78	18.2	0			
10	16QAM	1	49	16.81	16.90	16.90					
10	16QAM	25	0	16.73	16.85	16.74					
10	16QAM	25	12	16.84	16.80	16.75					
10	16QAM	25	25	16.70	16.85	16.71	18.2	0			
10	16QAM	50	0	16.77	16.87	16.72					
10	64QAM	1	0	16.77	16.67	16.48					
10	64QAM	1	25	16.73	16.74	16.73					
10	64QAM	1	49	16.74	16.78	16.71	18.2	0			
10	64QAM	25	0	16.82	16.96	16.81					
10	64QAM	25	12	16.85	16.94	16.71					
10	64QAM	25	25	16.69	16.66	16.63					
10	64QAM	50	0	16.69	16.80	16.69	Tune-up limit (dBm) <th colspan="2">MPR (dB)</th>	MPR (dB)			
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	16.93	16.97	16.79	18.2	0			
5	QPSK	1	12	16.69	16.95	16.86					
5	QPSK	1	24	16.61	16.82	16.81					
5	QPSK	12	0	16.81	16.91	16.78					
5	QPSK	12	7	16.83	16.82	16.66	18.2	0			
5	QPSK	12	13	16.72	16.73	16.66					
5	QPSK	25	0	16.82	16.77	16.68					
5	16QAM	1	0	16.75	16.85	16.82					
5	16QAM	1	12	16.93	16.85	16.80	18.2	0			
5	16QAM	1	24	16.88	16.94	16.88					
5	16QAM	12	0	16.78	16.83	16.72					
5	16QAM	12	7	16.75	16.85	16.75					
5	16QAM	12	13	16.75	16.87	16.77	18.2	0			
5	16QAM	25	0	16.66	16.84	16.79					
5	64QAM	1	0	16.72	17.00	16.83					
5	64QAM	1	12	16.80	16.71	16.76		18.2	0		
5	64QAM	1	24	16.65	16.85	16.90					
5	64QAM	12	0	16.53	16.89	16.52					
5	64QAM	12	7	16.57	16.88	16.53					
5	64QAM	12	13	16.89	16.86	16.57	Tune-up limit (dBm) <th colspan="2">MPR (dB)</th>	MPR (dB)			
5	64QAM	25	0	16.54	16.93	16.68					

Band 38_Ant 3									
BW [MHz]	Modulatio n	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	20.67	20.74	20.39	21.8	0	
20	QPSK	1	49	20.44	20.48	20.31			
20	QPSK	1	99	20.44	20.34	20.29			
20	QPSK	50	0	20.57	20.71	20.44			
20	QPSK	50	24	20.33	20.63	20.39	21.8	0	
20	QPSK	50	50	20.36	20.55	20.36			
20	QPSK	100	0	20.59	20.68	20.45			
20	16QAM	1	0	20.42	20.47	20.37			
20	16QAM	1	49	20.48	20.67	20.61	21.8	0	
20	16QAM	1	99	20.54	20.48	20.32			
20	16QAM	50	0	20.26	20.40	20.24			
20	16QAM	50	24	20.32	20.40	20.40			
20	16QAM	50	50	20.56	20.50	20.36	21.8	0	
20	16QAM	100	0	20.31	20.57	20.37			
20	64QAM	1	0	20.65	20.41	20.64			
20	64QAM	1	49	20.46	20.54	20.56			
20	64QAM	1	99	20.54	20.53	20.61	21.8	0	
20	64QAM	50	0	20.14	20.60	20.29			
20	64QAM	50	24	20.24	20.52	20.19			
20	64QAM	50	50	20.41	20.35	20.28			
20	64QAM	100	0	20.46	20.54	20.08			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.49	20.38	20.31	21.8	0	
15	QPSK	1	37	20.27	20.30	20.22			
15	QPSK	1	74	20.35	20.26	20.06			
15	QPSK	36	0	20.32	20.52	20.35			
15	QPSK	36	20	20.20	20.45	20.22	21.8	0	
15	QPSK	36	39	20.13	20.31	20.15			
15	QPSK	75	0	20.42	20.47	20.29			
15	16QAM	1	0	20.23	20.27	20.29	21.8	0	
15	16QAM	1	37	20.30	20.50	20.42			
15	16QAM	1	74	20.40	20.36	20.23			
15	16QAM	36	0	20.10	20.30	19.98			
15	16QAM	36	20	20.16	20.24	20.34	21.8	0	
15	16QAM	36	39	20.17	20.33	20.26			
15	16QAM	75	0	20.15	20.33	20.13			
15	64QAM	1	0	20.36	20.36	20.41			
15	64QAM	1	37	20.16	20.25	20.30	21.8	0	
15	64QAM	1	74	20.07	20.47	20.47			
15	64QAM	36	0	20.26	20.41	20.03			
15	64QAM	36	20	20.19	20.40	20.01			
15	64QAM	36	39	20.14	20.03	20.01	21.8	0	
15	64QAM	75	0	20.20	20.50	20.22			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.46	20.45	20.16	21.8	0	
10	QPSK	1	25	20.16	20.16	20.16			
10	QPSK	1	49	20.27	20.25	20.06			
10	QPSK	25	0	20.30	20.47	20.22			
10	QPSK	25	12	20.14	20.45	20.16	21.8	0	
10	QPSK	25	25	20.19	20.38	20.14			
10	QPSK	50	0	20.39	20.43	20.34			
10	16QAM	1	0	20.25	20.26	20.28			
10	16QAM	1	25	20.43	20.26	20.43	21.8	0	
10	16QAM	1	49	20.36	20.32	20.13			
10	16QAM	25	0	20.14	20.26	20.06			
10	16QAM	25	12	20.23	20.36	20.24			
10	16QAM	25	25	20.10	20.30	20.22	21.8	0	
10	16QAM	50	0	20.15	20.32	20.23			
10	64QAM	1	0	20.39	20.29	20.18			
10	64QAM	25	0	20.17	20.43	20.35			
10	64QAM	1	49	20.41	20.46	20.21	21.8	0	
10	64QAM	25	0	20.00	20.30	20.16			
10	64QAM	25	12	20.19	20.31	20.19			
10	64QAM	25	25	20.19	20.22	20.19			
10	64QAM	50	0	20.15	20.48	20.13			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.40	20.46	20.36	21.8	0	
5	QPSK	1	12	20.27	20.31	20.18			
5	QPSK	1	24	20.30	20.30	20.25			
5	QPSK	12	0	20.34	20.50	20.25			
5	QPSK	12	7	20.17	20.35	20.26	21.8	0	
5	QPSK	12	13	20.18	20.42	20.12			
5	QPSK	25	0	20.40	20.49	20.29			
5	16QAM	1	0	20.26	20.33	20.24			
5	16QAM	1	12	20.32	20.45	20.39	21.8	0	
5	16QAM	1	24	20.36	20.34	20.35			
5	16QAM	12	0	20.15	20.23	20.05			
5	16QAM	12	7	20.24	20.24	20.30			
5	16QAM	12	13	20.31	20.38	20.20	21.8	0	
5	16QAM	25	0	20.16	20.34	20.24			
5	64QAM	1	0	20.34	20.26	20.39			
5	64QAM	1	12	20.39	20.52	20.37			
5	64QAM	1	24	20.26	20.35	20.34	21.8	0	
5	64QAM	12	0	20.22	20.14	20.34			
5	64QAM	12	7	20.10	20.28	20.13			
5	64QAM	12	13	20.20	20.02	20.00			
5	64QAM	25	0	20.08	20.47	20.12			

Band 41_Ant 0												
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.	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.66	20.60	20.70	20.58	20.63	21.3	0		
20	QPSK	1	49	20.55	20.40	20.44	20.53	20.29				
20	QPSK	1	99	20.50	20.40	20.45	20.52	20.38				
20	QPSK	50	0	20.61	20.55	20.68	20.55	20.61				
20	QPSK	50	24	20.53	20.54	20.59	20.51	20.50	21.3	0		
20	QPSK	50	50	20.56	20.51	20.61	20.50	20.53				
20	QPSK	100	0	20.53	20.41	20.65	20.55	20.58				
20	16QAM	1	0	20.43	20.50	20.55	20.47	20.44				
20	16QAM	1	49	20.63	20.66	20.69	20.52	20.64	21.3	0		
20	16QAM	1	99	20.35	20.45	20.45	20.44	20.43				
20	16QAM	50	0	20.43	20.36	20.42	20.31	20.28				
20	16QAM	50	24	20.50	20.42	20.47	20.45	20.37				
20	16QAM	50	50	20.42	20.42	20.50	20.42	20.44	21.3	0		
20	16QAM	100	0	20.42	20.42	20.50	20.42	20.44				
20	64QAM	1	0	20.37	20.21	20.30	20.46	20.30				
20	64QAM	1	49	20.63	20.44	20.62	20.61	20.45				
20	64QAM	1	99	20.39	20.62	20.45	20.37	20.58	21.3	0		
20	64QAM	50	0	19.14	19.19	19.22	19.49	19.30				
20	64QAM	50	24	19.42	19.22	19.37	19.59	19.43				
20	64QAM	50	50	19.33	19.31	19.52	19.44	19.43				
20	64QAM	100	0	19.19	19.28	19.37	19.28	19.48				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.42	20.46	20.48	20.04	20.12	21.3	0		
15	QPSK	1	37	20.42	20.30	20.34	19.98	20.29				
15	QPSK	1	74	20.45	20.32	20.26	20.11	19.99				
15	QPSK	36	0	20.54	20.45	20.60	20.49	20.61				
15	QPSK	36	20	20.40	20.45	20.56	20.44	20.43	21.3	0		
15	QPSK	36	39	20.47	20.43	20.51	20.49	20.40				
15	QPSK	75	0	20.51	20.39	20.51	20.41	20.48				
15	16QAM	1	0	20.42	20.48	20.54	20.48	20.50				
15	16QAM	1	37	20.63	20.56	20.60	20.57	20.62	21.3	0		
15	16QAM	1	74	20.40	20.46	20.45	20.53	20.40				
15	16QAM	36	0	20.49	20.45	20.45	20.25	20.28				
15	16QAM	36	20	20.54	20.48	20.55	20.38	20.47				
15	16QAM	36	39	20.40	20.47	20.50	20.57	20.61	21.3	0		
15	16QAM	75	0	20.49	20.33	20.42	20.41	20.48				
15	64QAM	1	0	20.43	20.18	20.60	20.24	20.29				
15	64QAM	1	37	20.66	20.65	20.54	20.44	20.51				
15	64QAM	1	74	20.54	20.58	20.57	20.29	20.61	21.3	0		
15	64QAM	36	0	19.44	19.16	19.52	19.36	19.23				
15	64QAM	36	20	19.36	19.34	19.28	19.59	19.52				
15	64QAM	36	39	19.39	19.20	19.36	19.29	19.54				
15	64QAM	75	0	19.18	19.50	19.56	19.25	19.20				
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	20.25	20.48	20.31	20.25	20.37	21.3	0		
10	QPSK	1	25	20.44	20.19	20.35	20.06	20.21				
10	QPSK	1	49	20.39	20.37	20.30	20.05	20.02				
10	QPSK	25	0	20.33	20.43	20.54	20.56	20.52				
10	QPSK	25	12	20.51	20.38	20.50	20.45	20.41	21.3	0		
10	QPSK	25	25	20.49	20.41	20.51	20.44	20.42				
10	QPSK	50	0	20.47	20.43	20.51	20.45	20.45				
10	16QAM	1	0	20.41	20.54	20.52	20.43	20.43				
10	16QAM	1	25	20.64	20.66	20.70	20.59	20.65	21.3	0		
10	16QAM	1	49	20.27	20.45	20.44	20.42	20.49				
10	16QAM	25	0	20.44	20.33	20.49	20.25	20.30				
10	16QAM	25	12	20.54	20.48	20.52	20.44	20.34				
10	16QAM	25	25	20.45	20.59	20.57	20.54	20.54	21.3	0		
10	16QAM	50	0	20.51	20.41	20.45	20.49	20.39				
10	64QAM	1	0	20.39	20.20	20.57	20.25	20.30				
10	64QAM	1	25	20.43	20.53	20.56	20.57	20.47				
10	64QAM	1	49	20.41	20.39	20.59	20.63	20.36	21.3	0		
10	64QAM	25	0	19.41	19.26	19.46	19.44	19.09				
10	64QAM	25	12	19.26	19.27	19.54	19.35	19.42				
10	64QAM	25	25	19.27	19.34	19.29	19.36	19.45				
10	64QAM	50	0	19.35	19.57	19.60	19.53	19.44				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	20.31	20.20	20.47	20.00	20.46	21.3	0		
5	QPSK	1	12	20.39	20.29	20.44	20.06	20.24				
5	QPSK	1	24	20.38	20.30	20.27	19.96	20.03				
5	QPSK	12	0	20.49	20.51	20.58	20.53	20.52				
5	QPSK	12	7	20.47	20.38	20.55	20.48	20.44	21.3	0		
5	QPSK	12	13	20.50	20.38	20.52	20.43	20.51				
5	QPSK	25	0	20.48	20.31	20.47	20.38	20.37				
5	16QAM	1	0	20.44	20.53	20.60	20.46	20.47				
5	16QAM	1	12	20.67	20.60	20.69	20.61	20.68	21.3	0		
5	16QAM	1	24	20.38	20.45	20.51	20.40	20.41				
5	16QAM	12	0	20.39	20.39	20.42	20.24	20.29				
5	16QAM	12	7	20.45	20.51	20.60	20.42	20.36				
5	16QAM	12	13	20.34	20.49	20.53	20.59	20.54	21.3	0		
5	16QAM	25	0	20.50	20.40	20.48	20.48	20.42				
5	64QAM	1	0	20.30	20.19	20.61	20.40	20.28				
5	64QAM	1	12	20.46	20.47	20.65	20.40	20.68				
5	64QAM	1	24	20.63	20.38	20.62	20.46	20.38	20.3	1		
5	64QAM	12	0	19.36	19.16	19.54	19.40	19.16				
5	64QAM	12	7	19.27	19.43	19.45	19.34	19.54				
5	64QAM	12	13	19.20	19.27	19.43	19.40	19.49				
5	64QAM	25	0	19.29	19.54	19.40	19.53	19.41				

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.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.28	18.09	18.43	18.07	18.36	19	0
20	QPSK	1	49	18.25	18.06	18.42	18.05	18.30		
20	QPSK	1	99	18.10	17.94	18.27	17.98	18.14		
20	QPSK	50	0	18.38	18.11	18.39	18.10	18.38		
20	QPSK	50	24	18.20	18.06	18.36	18.02	18.23	19	0
20	QPSK	50	50	18.22	18.05	18.36	18.10	18.14		
20	QPSK	100	0	18.14	18.05	18.30	17.96	18.08		
20	16QAM	1	0	18.22	18.09	18.38	18.14	18.25		
20	16QAM	1	49	18.21	18.09	18.41	18.15	18.20	19	0
20	16QAM	1	99	18.21	18.08	18.38	18.04	18.18		
20	16QAM	50	0	18.17	18.04	18.30	18.05	18.16		
20	16QAM	50	24	18.15	18.03	18.35	18.09	18.20		
20	16QAM	50	50	18.20	18.09	18.36	18.12	18.16	19	0
20	16QAM	100	0	18.24	18.07	18.38	18.05	18.19		
20	64QAM	1	0	18.03	17.94	18.36	17.99	18.02		
20	64QAM	1	49	18.25	18.17	18.41	17.93	18.33		
20	64QAM	1	99	18.14	17.98	18.35	17.90	18.22	19	0
20	64QAM	50	0	17.92	17.98	18.29	18.03	18.09		
20	64QAM	50	24	18.33	17.92	18.36	18.08	18.07		
20	64QAM	50	50	18.20	17.96	18.37	18.12	18.16		
20	64QAM	100	0	18.14	18.05	18.32	17.94	18.13	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2692.5		
15	QPSK	1	0	17.83	17.76	17.82	17.52	17.73	19	0
15	QPSK	1	37	17.71	17.52	17.95	17.55	17.76		
15	QPSK	1	74	17.58	17.45	17.76	17.51	17.73		
15	QPSK	36	0	17.97	17.67	17.89	17.62	17.85		
15	QPSK	36	20	17.78	17.52	17.93	17.61	17.78	19	0
15	QPSK	36	39	17.68	17.53	17.62	17.85	17.71		
15	QPSK	75	0	17.65	17.57	17.76	17.49	17.57		
15	16QAM	1	0	17.88	17.60	17.87	17.63	17.77		
15	16QAM	1	74	17.67	17.61	17.96	17.72	17.69	19	0
15	16QAM	1	74	17.73	17.64	17.89	17.58	17.75		
15	16QAM	36	0	17.75	17.57	17.79	17.60	17.69		
15	16QAM	36	20	17.65	17.52	17.92	17.67	17.71		
15	16QAM	36	39	17.74	17.61	17.93	17.68	17.62	19	0
15	16QAM	75	0	17.62	17.57	17.88	17.60	17.70		
15	64QAM	1	0	17.61	17.47	17.91	17.33	17.46		
15	64QAM	1	37	17.60	17.54	17.86	17.43	17.64		
15	64QAM	1	74	17.47	17.45	18.00	17.52	17.55	19	0
15	64QAM	36	0	17.35	17.59	17.91	17.63	17.43		
15	64QAM	36	20	17.81	17.27	17.70	17.42	17.58		
15	64QAM	36	39	17.56	17.39	17.77	17.51	17.75		
15	64QAM	75	0	17.46	17.47	17.71	17.53	17.79	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41060	41540		
Frequency (MHz)				2501	2547	2593	2630	2680		
10	QPSK	1	0	17.78	17.49	17.86	17.42	17.74	19	0
10	QPSK	1	25	17.77	17.63	17.94	17.58	17.79		
10	QPSK	1	49	17.67	17.41	17.79	17.48	17.66		
10	QPSK	25	0	17.93	17.69	17.95	17.60	17.87		
10	QPSK	25	12	17.70	17.65	17.86	17.59	17.69	19	0
10	QPSK	25	25	17.71	17.52	17.92	17.58	17.72		
10	QPSK	50	0	17.64	17.57	17.89	17.49	17.64		
10	16QAM	1	0	17.68	17.58	17.94	17.71	17.67		
10	16QAM	1	25	17.71	17.58	18.00	17.66	17.66	19	0
10	16QAM	1	49	17.76	17.56	17.92	17.59	17.64		
10	16QAM	25	0	17.63	17.63	17.87	17.63	17.73		
10	16QAM	25	12	17.65	17.54	17.83	17.68	17.73		
10	16QAM	25	25	17.69	17.66	17.87	17.65	17.62	19	0
10	16QAM	50	0	17.73	17.53	17.88	17.53	17.71		
10	64QAM	1	0	17.53	17.40	17.98	17.37	17.57		
10	64QAM	1	25	17.91	17.75	17.93	17.73	17.70		
10	64QAM	1	49	17.70	17.30	17.70	17.37	17.88	19	0
10	64QAM	25	0	17.59	17.41	17.77	17.42	17.51		
10	64QAM	25	12	17.78	17.26	17.81	17.48	17.67		
10	64QAM	25	25	17.56	17.53	17.96	17.44	17.62		
10	64QAM	50	0	17.72	17.63	17.74	17.49	17.64	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2643.0	2687.5		
5	QPSK	1	0	17.62	17.47	18.09	17.43	17.75	19	0
5	QPSK	1	12	17.63	17.61	18.09	17.62	17.87		
5	QPSK	1	24	17.56	17.44	17.86	17.49	17.64		
5	QPSK	12	0	17.85	17.63	17.88	17.67	17.91		
5	QPSK	12	7	17.77	17.64	17.90	17.57	17.82	19	0
5	QPSK	12	13	17.68	17.64	17.87	17.56	17.68		
5	QPSK	25	0	17.70	17.54	17.86	17.51	17.63		
5	16QAM	1	0	17.74	17.62	17.84	17.69	17.71		
5	16QAM	1	12	17.68	17.55	17.91	17.71	17.76	19	0
5	16QAM	1	24	17.66	17.56	17.85	17.49	17.67		
5	16QAM	12	0	17.69	17.55	17.94	17.53	17.77		
5	16QAM	12	7	17.66	17.61	17.92	17.63	17.77		
5	16QAM	12	13	17.66	17.61	17.91	17.66	17.64	19	0
5	16QAM	25	0	17.72	17.62	17.96	17.57	17.66		
5	64QAM	1	0	17.61	17.38	17.96	17.42	17.33		
5	64QAM	1	12	17.61	17.76	17.99	17.34	17.67		
5	64QAM	1	24	17.57	17.39	17.84	17.48	17.64	19	0
5	64QAM	12	0	17.36	17.37	17.81	17.43	17.41		
5	64QAM	12	7	17.51	17.58	17.98	17.55	17.72		
5	64QAM	12	13	17.54	17.45	17.71	17.42	17.74		
5	64QAM	25	0	17.47	17.46	17.77	17.34	17.46		

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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	18.6	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	17.19	16.98	17.29	16.99	17.12	18.6	0	
20	QPSK	1	49	17.16	16.92	17.24	16.83	17.10			
20	QPSK	1	99	17.06	16.82	17.06	16.81	17.08	18.6	0	
20	QPSK	50	0	17.17	17.03	17.18	16.98	17.11			
20	QPSK	50	24	17.11	16.99	17.17	16.82	17.05	18.6	0	
20	QPSK	50	50	17.16	16.94	17.17	16.83	17.00			
20	QPSK	100	0	17.15	16.95	17.19	16.83	17.03	18.6	0	
20	16QAM	1	0	17.15	17.04	17.23	16.85	17.24			
20	16QAM	1	49	17.15	17.08	17.21	16.92	17.24	18.6	0	
20	16QAM	1	99	17.16	16.95	17.19	16.86	17.22			
20	16QAM	50	0	17.13	17.00	17.13	16.83	17.24	18.6	0	
20	16QAM	50	24	17.13	16.91	17.15	16.86	17.24			
20	16QAM	50	50	17.22	16.95	17.19	16.87	17.27	18.6	0	
20	16QAM	100	0	17.18	16.94	17.15	16.84	17.21			
20	64QAM	1	0	16.96	17.13	17.17	16.99	17.03	18.6	0	
20	64QAM	1	49	17.10	16.92	17.22	16.82	17.24			
20	64QAM	1	99	17.18	17.09	17.13	16.83	17.25	18.6	0	
20	64QAM	50	0	17.10	16.90	17.11	16.82	17.25			
20	64QAM	50	24	17.09	17.05	17.19	16.96	17.27	18.6	0	
20	64QAM	50	50	17.07	16.92	17.22	16.81	17.13			
20	64QAM	100	0	17.18	16.94	17.13	16.86	17.11	18.6	0	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	17.16	17.06	17.14	16.83	17.18	18.6	0	
15	QPSK	1	37	17.18	16.84	17.23	16.85	17.10			
15	QPSK	1	74	16.98	16.84	17.03	16.81	17.03	18.6	0	
15	QPSK	36	0	17.13	17.02	17.14	16.86	17.14			
15	QPSK	36	20	17.02	16.96	17.16	16.80	17.12	18.6	0	
15	QPSK	36	39	17.12	16.98	17.11	16.86	17.21			
15	QPSK	75	0	17.12	16.97	17.10	16.82	17.28	18.6	0	
15	16QAM	1	0	17.14	17.07	17.20	16.86	17.20			
15	16QAM	1	37	17.09	17.08	17.21	16.87	17.20	18.6	0	
15	16QAM	1	74	17.16	16.90	17.22	16.89	17.19			
15	16QAM	36	0	17.16	16.93	17.11	16.84	17.26	18.6	0	
15	16QAM	36	20	17.17	16.87	17.08	16.89	17.27			
15	16QAM	36	39	17.19	16.90	17.21	16.84	17.25	18.6	0	
15	16QAM	75	0	17.13	16.97	17.19	16.87	17.18			
15	64QAM	1	0	16.90	17.22	17.11	16.83	17.02	18.6	0	
15	64QAM	1	37	17.03	16.88	17.17	16.84	17.03			
15	64QAM	1	74	17.12	17.18	16.93	16.82	17.08	18.6	0	
15	64QAM	36	0	17.22	16.85	16.99	16.83	17.03			
15	64QAM	36	20	17.18	16.97	17.15	16.96	17.15	18.6	0	
15	64QAM	36	39	17.18	16.94	17.17	16.82	17.18			
15	64QAM	75	0	17.01	16.82	17.11	16.82	17.15	18.6	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	17.02	16.92	17.22	16.99	17.06	18.6	0	
10	QPSK	1	25	17.16	16.90	17.19	16.80	17.05			
10	QPSK	1	49	17.04	16.93	17.08	16.82	17.04	18.6	0	
10	QPSK	25	0	17.13	16.94	17.10	16.84	17.27			
10	QPSK	25	12	17.03	16.94	17.08	16.82	17.19	18.6	0	
10	QPSK	25	25	17.20	16.95	17.19	16.86	17.13			
10	QPSK	50	0	17.12	16.93	17.19	16.84	17.23	18.6	0	
10	16QAM	1	0	17.09	17.06	17.23	16.87	17.21			
10	16QAM	1	25	17.19	17.11	17.17	16.96	17.22	18.6	0	
10	16QAM	1	49	17.18	16.88	17.12	16.90	17.19			
10	16QAM	25	0	17.13	17.04	17.05	16.81	17.15	18.6	0	
10	16QAM	25	12	17.10	16.82	17.06	16.82	17.19			
10	16QAM	25	25	17.15	16.88	17.13	16.86	17.25	18.6	0	
10	16QAM	50	0	17.20	16.86	17.10	16.85	17.14			
10	64QAM	1	0	16.89	16.90	17.25	16.93	17.06	18.6	0	
10	64QAM	1	25	16.97	16.80	17.04	16.84	17.02			
10	64QAM	1	49	16.97	17.15	16.91	16.85	17.26	18.6	0	
10	64QAM	25	0	17.11	16.95	16.91	16.94	17.26			
10	64QAM	25	12	16.92	16.88	17.16	16.83	17.20	18.6	0	
10	64QAM	25	25	16.97	16.84	17.27	16.86	17.16			
10	64QAM	50	0	17.09	16.85	16.96	16.85	17.06	18.6	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.11	16.82	17.20	16.80	17.07	18.6	0	
5	QPSK	1	12	17.20	16.83	17.28	16.84	17.03			
5	QPSK	1	24	17.10	16.87	17.07	16.81	17.03	18.6	0	
5	QPSK	12	0	17.21	16.97	17.20	16.91	17.21			
5	QPSK	12	7	17.12	17.03	17.16	16.84	17.21	18.6	0	
5	QPSK	12	13	17.09	16.90	17.16	16.83	17.15			
5	QPSK	25	0	17.06	16.95	17.17	16.81	17.21	18.6	0	
5	16QAM	1	0	17.16	16.98	17.19	16.83	17.17			
5	16QAM	1	12	17.19	17.05	17.12	16.91	17.22	18.6	0	
5	16QAM	1	24	17.13	16.88	17.14	16.85	17.13			
5	16QAM	12	0	17.11	16.96	17.07	16.86	17.19	18.6	0	
5	16QAM	12	7	17.04	16.90	17.15	16.84	17.19			
5	16QAM	12	13	17.23	16.94	17.17	16.86	17.29	18.6	0	
5	16QAM	25	0	17.17	16.90	17.14	16.82	17.17			
5	64QAM	1	0	16.86	17.25	17.12	17.05	17.00	18.6	0	
5	64QAM	1	12	17.11	16.83	17.22	16.85	17.25			
5	64QAM	1	24	17.25	16.94	17.10	16.87	17.07	18.6	0	
5	64QAM	12	0	17.03	16.92	16.91	16.94	17.07			
5	64QAM	12	7	17.19	17.08	16.95	16.86	17.17	18.6	0	
5	64QAM	12	13	17.02	16.92	17.10	16.92	17.21			
5	64QAM	25	0	17.23	16.94	17.17	16.93	17.03			

Band 41_Ant 3											
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.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	20.8	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.28	20.39	20.47	20.24	20.22	20.8	0	
20	QPSK	1	49	20.13	20.13	20.26	20.03	20.03			
20	QPSK	1	99	20.24	20.17	20.21	20.11	20.07	20.8	0	
20	QPSK	50	0	20.21	20.22	20.43	20.23	20.16			
20	QPSK	50	24	20.17	20.04	20.17	20.03	20.06	20.8	0	
20	QPSK	50	50	20.16	20.10	20.16	20.22	20.06			
20	QPSK	100	0	20.20	20.36	20.36	20.26	20.25	20.8	0	
20	16QAM	1	0	20.07	20.35	20.29	20.34	20.23			
20	16QAM	1	49	20.15	20.28	20.34	20.30	20.29	20.8	0	
20	16QAM	1	99	20.17	20.22	20.17	20.25	20.30			
20	16QAM	50	0	20.05	20.09	20.12	19.97	19.98	20.8	0	
20	16QAM	50	24	20.18	20.09	20.15	20.11	20.07			
20	16QAM	50	50	20.27	20.21	20.24	20.25	20.19	20.8	0	
20	16QAM	100	0	20.26	20.22	20.24	20.19	20.08			
20	64QAM	1	0	20.30	19.91	20.32	19.95	20.00	20.8	0	
20	64QAM	1	49	19.97	20.27	20.26	19.97	20.29			
20	64QAM	1	99	20.02	20.11	19.98	19.85	20.06	20.8	0	
20	64QAM	50	0	20.11	20.00	19.94	20.10	19.97			
20	64QAM	50	24	20.24	20.11	20.40	20.06	20.05	20.8	0	
20	64QAM	50	50	20.06	20.34	20.29	20.16	20.25			
20	64QAM	100	0	20.26	20.22	20.26	20.16	20.15	20.8	0	
Channel				39750	40117	40600	41068	41515			
Frequency (MHz)				2603.6	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.30	19.95	20.29	19.95	19.96	20.8	0	
15	QPSK	1	37	20.24	20.21	20.27	20.03	20.10			
15	QPSK	1	74	20.31	20.19	20.29	19.95	20.07	20.8	0	
15	QPSK	36	0	20.28	20.27	20.29	20.20	20.29			
15	QPSK	36	20	20.20	20.05	20.14	20.11	20.11	20.8	0	
15	QPSK	36	39	20.21	20.08	20.17	20.16	20.17			
15	QPSK	75	0	20.36	20.33	20.28	20.04	20.18	20.8	0	
15	16QAM	1	0	20.12	20.29	20.24	20.31	20.18			
15	16QAM	1	37	20.27	20.25	20.39	20.15	20.11	20.8	0	
15	16QAM	1	74	20.19	20.21	20.43	20.28	20.36			
15	16QAM	36	0	20.11	20.07	20.18	20.08	20.16	20.8	0	
15	16QAM	36	20	20.19	20.14	20.20	20.12	20.17			
15	16QAM	36	39	20.27	20.34	20.39	20.22	20.29	20.8	0	
15	16QAM	75	0	20.23	20.31	20.27	20.24	20.20			
15	64QAM	1	0	20.16	20.14	19.95	20.01	20.01	20.8	0	
15	64QAM	1	37	20.18	20.27	20.01	19.81	20.23			
15	64QAM	1	74	20.11	20.18	20.16	20.18	19.99	20.8	0	
15	64QAM	36	0	19.88	19.87	20.05	19.99	20.03			
15	64QAM	36	20	19.87	20.31	20.24	20.30	19.60	20.8	0	
15	64QAM	36	39	20.21	20.21	20.15	20.10	20.01			
15	64QAM	75	0	20.03	20.19	20.13	20.01	20.27	20.8	0	
Channel				39700	40160	40620	41080	41580			
Frequency (MHz)				25001	25476	2593	2639	2685			
10	QPSK	1	0	20.33	20.17	20.36	20.15	20.00	20.8	0	
10	QPSK	1	25	20.31	20.14	20.33	20.19	20.09			
10	QPSK	1	49	20.35	20.24	20.29	19.94	20.11	20.8	0	
10	QPSK	25	0	20.26	20.21	20.25	20.20	20.40			
10	QPSK	25	12	20.13	20.04	20.06	20.03	20.03	20.8	0	
10	QPSK	25	25	20.18	20.01	20.17	20.16	20.07			
10	QPSK	50	0	20.38	20.30	20.30	20.31	20.19	20.8	0	
10	16QAM	1	0	20.15	20.24	20.18	20.32	20.16			
10	16QAM	1	25	20.19	20.20	20.38	20.22	20.11	20.8	0	
10	16QAM	1	49	20.28	20.12	20.30	20.23	20.26			
10	16QAM	25	0	20.15	20.14	20.12	20.08	20.19	20.8	0	
10	16QAM	25	12	20.10	20.14	20.20	20.04	20.23			
10	16QAM	25	25	20.34	20.26	20.31	20.30	20.26	20.8	0	
10	16QAM	50	0	20.28	20.21	20.34	20.14	20.17			
10	64QAM	1	0	20.15	20.29	20.09	20.09	19.90	20.8	0	
10	64QAM	1	25	20.38	20.28	20.28	20.19	20.22			
10	64QAM	1	49	20.06	20.08	20.24	20.13	19.85	20.8	0	
10	64QAM	25	0	20.04	19.78	20.04	19.84	20.11			
10	64QAM	25	12	19.85	20.17	20.10	20.11	20.12	20.8	0	
10	64QAM	25	25	20.17	20.18	20.33	20.23	20.28			
10	64QAM	50	0	20.01	20.07	20.21	19.82	19.99	20.8	0	
Channel				36675	40148	40620	41093	41515			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.35	20.05	20.29	20.09	20.01	20.8	0	
5	QPSK	1	12	20.20	20.10	20.32	19.95	20.09			
5	QPSK	1	24	20.31	20.20	20.17	20.17	19.99	20.8	0	
5	QPSK	12	0	20.18	20.16	20.14	20.14	20.28			
5	QPSK	12	7	20.08	19.97	20.05	19.92	19.96	20.8	0	
5	QPSK	12	13	20.05	19.93	20.13	20.04	19.94			
5	QPSK	25	0	20.37	20.24	20.26	20.31	20.11	20.8	0	
5	16QAM	1	0	20.08	20.11	20.08	20.29	20.05			
5	16QAM	1	12	20.10	20.15	20.38	20.15	20.07	20.8	0	
5	16QAM	1	24	20.27	20.20	20.20	20.20	20.25			
5	16QAM	12	0	20.13	20.11	20.04	19.98	20.06	20.8	0	
5	16QAM	12	7	20.09	20.09	20.18	19.92	20.19			
5	16QAM	12	13	20.33	20.16	20.24	20.27	20.26	20.8	0	
5	16QAM	25	0	20.28	20.19	20.34	20.07	20.05			
5	64QAM	1	0	20.16	20.08	19.85	19.95	19.84	20.8	0	
5	64QAM	1	12	20.09	20.05	20.09	19.81	19.90			
5	64QAM	1	24	19.98	20.08	20.01	20.08	19.85	20.8	0	
5	64QAM	12	0	19.83	19.81	19.85	19.85	19.89			
5	64QAM	12	7	19.80	20.09	19.88	19.83	20.01	20.8	0	
5	64QAM	12	13	19.93	20.05	20.19	20.06	20.12			
5	64QAM	25	0	20.05	19.99	19.85	19.84	19.92			

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	18.01	18.11	18.03	19	0	
20	QPSK	1	49	17.90	17.98	17.96			
20	QPSK	1	99	17.98	17.95	17.85			
20	QPSK	50	0	17.99	18.08	18.03	19	0	
20	QPSK	50	24	17.96	17.95	17.94			
20	QPSK	50	50	17.98	18.05	17.95			
20	QPSK	100	0	17.97	17.98	17.95	19	0	
20	16QAM	1	0	17.98	17.97	17.94			
20	16QAM	1	49	17.84	18.05	17.99			
20	16QAM	1	99	17.89	18.08	17.94	19	0	
20	16QAM	50	0	17.91	18.05	18.02			
20	16QAM	50	24	17.91	18.02	18.03			
20	16QAM	50	50	17.84	18.08	17.94	19	0	
20	16QAM	100	0	17.96	18.01	18.01			
20	64QAM	1	0	17.97	18.02	17.93			
20	64QAM	1	49	17.97	18.00	17.92	19	0	
20	64QAM	1	99	18.00	17.96	17.90			
20	64QAM	50	0	17.87	18.03	17.93			
20	64QAM	50	24	17.88	17.95	17.90	19	0	
20	64QAM	50	50	17.92	17.99	17.98			
20	64QAM	100	0	17.96	18.01	17.95			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	17.92	17.96	18.00	19	0	
15	QPSK	1	37	17.82	17.87	17.87			
15	QPSK	1	74	17.93	17.90	17.80			
15	QPSK	36	0	17.82	17.94	17.99	19	0	
15	QPSK	36	20	17.96	18.05	17.94			
15	QPSK	36	39	17.96	17.93	17.83			
15	QPSK	75	0	17.94	17.91	17.93	19	0	
15	16QAM	1	0	17.97	17.91	17.86			
15	16QAM	1	37	17.80	18.01	17.89			
15	16QAM	1	74	17.76	17.99	17.82	19	0	
15	16QAM	36	0	17.79	18.00	17.99			
15	16QAM	36	20	17.87	18.00	17.97			
15	16QAM	36	39	17.71	18.04	17.81	19	0	
15	16QAM	75	0	17.70	17.85	17.73			
15	64QAM	1	0	18.04	18.01	17.78			
15	64QAM	1	37	17.70	17.82	17.75	19	0	
15	64QAM	1	74	17.88	17.79	17.94			
15	64QAM	36	0	17.87	17.84	17.81			
15	64QAM	36	20	17.80	17.78	17.89	19	0	
15	64QAM	36	39	17.77	17.98	17.89			
15	64QAM	75	0	17.99	18.08	17.87			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	17.85	17.96	18.01	19	0	
10	QPSK	1	25	17.87	17.89	17.86			
10	QPSK	1	49	17.94	17.88	17.77			
10	QPSK	25	0	17.87	17.92	17.94	19	0	
10	QPSK	25	12	17.88	18.01	17.93			
10	QPSK	25	25	17.98	17.97	17.87			
10	QPSK	50	0	17.84	17.98	17.83	19	0	
10	16QAM	1	0	17.97	17.88	17.81			
10	16QAM	1	25	17.83	18.05	17.99			
10	16QAM	1	49	17.89	18.04	17.89	19	0	
10	16QAM	25	0	17.87	17.95	17.94			
10	16QAM	25	12	17.86	17.93	17.93			
10	16QAM	25	25	17.73	18.07	17.84	19	0	
10	16QAM	50	0	17.95	17.98	18.05			
10	64QAM	1	0	17.70	17.74	17.83			
10	64QAM	1	25	17.95	18.03	17.66	19	0	
10	64QAM	1	49	17.95	17.96	17.73			
10	64QAM	25	0	17.94	17.81	17.91			
10	64QAM	25	12	17.86	17.94	17.73	19	0	
10	64QAM	25	25	17.77	18.04	17.99			
10	64QAM	50	0	17.70	18.02	17.99			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	17.89	17.98	17.92	19	0	
5	QPSK	1	12	17.89	17.89	17.93			
5	QPSK	1	24	17.93	17.90	17.75			
5	QPSK	12	0	17.78	17.87	17.96	19	0	
5	QPSK	12	7	17.86	18.01	17.94			
5	QPSK	12	13	17.96	18.00	17.91			
5	QPSK	25	0	17.91	17.93	17.82	19	0	
5	16QAM	1	0	17.87	17.86	17.88			
5	16QAM	1	12	17.73	17.99	17.95			
5	16QAM	1	24	17.80	18.06	17.84	19	0	
5	16QAM	12	0	17.79	17.94	17.93			
5	16QAM	12	7	17.80	17.97	18.01			
5	16QAM	12	13	17.74	18.02	17.91	19	0	
5	16QAM	25	0	17.96	17.82	18.03			
5	64QAM	1	0	17.90	18.10	17.97			
5	64QAM	1	12	17.74	17.91	17.83	19	0	
5	64QAM	1	24	17.99	17.80	17.72			
5	64QAM	12	0	17.82	17.92	17.86			
5	64QAM	12	7	17.66	17.89	17.78	19	0	
5	64QAM	12	13	17.72	18.02	17.96			
5	64QAM	25	0	17.70	17.96	18.03			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	18.01	18.01	17.94	19	0	
3	QPSK	1	8	17.82	17.89	17.86			
3	QPSK	1	14	17.96	17.88	17.81			
3	QPSK	8	0	17.80	17.83	17.96	19	0	
3	QPSK	8	4	17.86	18.01	17.96			
3	QPSK	8	7	17.96	17.94	17.91			
3	QPSK	15	0	17.88	17.89	17.92	19	0	
3	16QAM	1	0	17.85	17.89	17.93			
3	16QAM	1	8	17.77	17.98	17.89			
3	16QAM	1	14	17.87	18.05	17.94	19	0	
3	16QAM	8	0	17.97	17.96	17.94			
3	16QAM	8	4	17.83	17.96	18.03			
3	16QAM	8	7	17.78	18.06	17.83	19	0	
3	16QAM	15	0	17.70	17.77	18.01			
3	64QAM	1	0	17.94	17.76	17.85			
3	64QAM	1	8	17.71	17.88	17.99	19	0	
3	64QAM	1	14	17.86	17.85	17.78			
3	64QAM	8	0	17.95	17.94	17.86			
3	64QAM	8	4	17.82	18.02	17.84	19	0	
3	64QAM	8	7	17.89	17.81	17.76			
3	64QAM	15	0	17.84	18.07	17.83			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	17.97	17.95	17.90	19	0	
1.4	QPSK	1	3	17.85	17.89	17.94			
1.4	QPSK	1	5	17.94	17.95	17.77			
1.4	QPSK	3	0	17.81	17.90	18.01	19	0	
1.4	QPSK	3	1	17.91	18.03	17.96			
1.4	QPSK	3	3	17.98	17.93	17.82			
1.4	QPSK	6	0	17.87	17.95	17.86	19	0	
1.4	16QAM	1	0	17.98	17.92	17.81			
1.4	16QAM	1	3	17.81	18.01	17.98			
1.4	16QAM	1	5	17.82	18.07	17.87	19	0	
1.4	16QAM	3	0	17.88	17.97	17.93			
1.4	16QAM	3	1	17.98	17.96	17.81			
1.4	16QAM	3	3	17.80	18.01	17.85	19	0	
1.4	16QAM	6	0	17.78	17.99	17.77			
1.4	64QAM	1	0	17.74	17.80	17.75			
1.4	64QAM	1	3	17.92	17.73	17.97	19	0	
1.4	64QAM	1	5	17.92	17.75	17.69			
1.4	64QAM	3	0	17.84	17.89	17.69			
1.4	64QAM	3	1	17.91	18.01	17.81	19	0	
1.4	64QAM	3	3	17.90	17.96	18.06			
1.4	64QAM	6	0	17.89	17.89	17.70			

n7_Ant 1									
RF [MHz]	Subcarrier	FE Size	FE Offset	Power Ch. / P _{max}	Power Ch. / P _{max}	Power Ch. / P _{max}	Power Ch. / P _{max}	Time slot (ms)	100% dBm
30	Frequency 1	1	0	23.38	23.54	23.48		231	0.0
30	Frequency 1	2	0	23.38	23.54	23.48		231	0.0
30	Frequency 1	3	0	23.38	23.54	23.48		231	0.0
30	Frequency 120	0	0	23.35	23.44	23.26	23.44	244	0.5
30	Frequency 120	1	0	23.35	23.44	23.26	23.44	244	0.5
30	Frequency 120	100	100	23.33	23.28	23.27	23.33	244	0.5
30	Frequency 120	101	100	23.33	23.28	23.27	23.33	244	0.5
30	SPSK 1	0	0	23.43	23.52	23.45		231	0.0
30	SPSK 1	1	0	23.43	23.52	23.45		231	0.0
30	SPSK 1	2	0	23.43	23.52	23.45		231	0.0
30	SPSK 120	0	0	23.51	23.52	23.50	23.51	241	1.0
30	SPSK 120	1	0	23.51	23.52	23.50	23.51	241	1.0
30	SPSK 120	100	100	22.75	23.43	23.28	23.43	241	1.0
30	SPSK 120	101	100	22.75	23.43	23.28	23.43	241	1.0
30	HSK400	0	0	23.74	23.22	23.20	23.21	241	1.0
30	HSK400	1	0	23.74	23.22	23.20	23.21	241	1.0
30	HSK400	2	0	23.74	23.22	23.20	23.21	241	1.0
30	HSK400	100	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	101	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	102	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	103	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	104	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	105	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	106	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	107	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	108	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	109	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	110	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	111	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	112	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	113	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	114	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	115	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	116	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	117	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	118	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	119	100	23.36	23.40	23.29	23.36	243	0.8
30	HSK400	120	100	23.36	23.40	23.29	23.36	243	0.8

n7_Ant 2									
Ref	RF Type	Accession	RF Size	RF Order	RF Type	Accession	RF Size	RF Order	RF Type
Channel									
					Ch. 1 (MHz)	Channel	Ch. 2 (MHz)	Channel	Power (dBm)
					Accession	Accession	Accession	Accession	
36	RF	RF2000	128	1	21.82	21.82	21.76		
37	RF	RF2000	128	2	21.82	21.82	21.76		
38	RF	RF2000	128	3	21.82	21.82	21.76		
39	RF	RF2000	128	4	21.82	21.82	21.76		
40	RF	RF2000	128	5	21.82	21.82	21.76		
41	RF	RF2000	128	6	21.82	21.82	21.76		
42	RF	RF2000	128	7	21.82	21.82	21.76		
43	RF	RF2000	128	8	21.82	21.82	21.76		
44	RF	RF2000	128	9	21.82	21.82	21.76		
45	RF	RF2000	128	10	21.82	21.82	21.76		
46	RF	RF2000	128	11	21.82	21.82	21.76		
47	RF	RF2000	128	12	21.82	21.82	21.76		
48	RF	RF2000	128	13	21.82	21.82	21.76		
49	RF	RF2000	128	14	21.82	21.82	21.76		
50	RF	RF2000	128	15	21.82	21.82	21.76		
51	RF	RF2000	128	16	21.82	21.82	21.76		
52	RF	RF2000	128	17	21.82	21.82	21.76		
53	RF	RF2000	128	18	21.82	21.82	21.76		
54	RF	RF2000	128	19	21.82	21.82	21.76		
55	RF	RF2000	128	20	21.82	21.82	21.76		
56	RF	RF2000	128	21	21.82	21.82	21.76		
57	RF	RF2000	128	22	21.82	21.82	21.76		
58	RF	RF2000	128	23	21.82	21.82	21.76		
59	RF	RF2000	128	24	21.82	21.82	21.76		
60	RF	RF2000	128	25	21.82	21.82	21.76		
61	RF	RF2000	128	26	21.82	21.82	21.76		
62	RF	RF2000	128	27	21.82	21.82	21.76		
63	RF	RF2000	128	28	21.82	21.82	21.76		
64	RF	RF2000	128	29	21.82	21.82	21.76		
65	RF	RF2000	128	30	21.82	21.82	21.76		
66	RF	RF2000	128	31	21.82	21.82	21.76		
67	RF	RF2000	128	32	21.82	21.82	21.76		
68	RF	RF2000	128	33	21.82	21.82	21.76		
69	RF	RF2000	128	34	21.82	21.82	21.76		
70	RF	RF2000	128	35	21.82	21.82	21.76		
71	RF	RF2000	128	36	21.82	21.82	21.76		
72	RF	RF2000	128	37	21.82	21.82	21.76		
73	RF	RF2000	128	38	21.82	21.82	21.76		
74	RF	RF2000	128	39	21.82	21.82	21.76		
75	RF	RF2000	128	40	21.82	21.82	21.76		
76	RF	RF2000	128	41	21.82	21.82	21.76		

[illegible]

n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 518004	Power Middle Ch. Freq. 519000	Power High Ch. Freq. 519996	Tune-up Int. (dBm)	MPR (dB)	
Channel				2592.02	2595	2599.98			
Frequency (MHz)									
40	PQ2 BPSK	1	1	24.32	24.33	24.17			
40	PQ2 BPSK	1	53	24.80	24.83	24.76	25.5	0.0	
40	PQ2 BPSK	1	104	24.22	24.37	24.25			
40	PQ2 BPSK	50	0	24.03	24.14	24.11	25.0	0.5	
40	PQ2 BPSK	50	28	24.77	24.84	24.69	25.5	0.0	
40	PQ2 BPSK	50	56	24.05	24.16	24.01	25.0	0.5	
40	PQ2 BPSK	100	0	24.18	24.26	24.17			
40	QPSK	1	1	24.17	24.30	24.23			
40	QPSK	1	53	24.75	24.85	24.70	25.5	0.0	
40	QPSK	1	104	24.41	24.51	24.48			
40	QPSK	50	0	23.68	23.69	23.59			
40	QPSK	50	28	23.75	24.82	24.67	25.5	0.0	
40	QPSK	50	56	23.60	23.69	23.52			
40	QPSK	100	0	23.97	23.72	23.94	24.5	1.0	
40	16QAM	1	1	22.96	23.11	23.03	24.5	1.0	
40	64QAM	1	1	21.44	21.61	21.56	23.0	2.5	
40	256QAM	1	1	20.20	20.24	20.12	21.0	4.5	
Channel				517602	519000	520998			
Frequency (MHz)									
30	QPSK	1	1	24.59	24.75	24.53	25.5	0.0	
Channel				518600	519000	520000			
Frequency (MHz)									
20	QPSK	1	1	24.70	24.79	24.63	25.5	0.0	

n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 518004	Power Middle Ch. Freq. 519000	Power High Ch. Freq. 519996	Tune-up Int.	MPR	
Channel									
Frequency (MHz)				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	22.21	22.30	22.33			
40	PQ2 BPSK	1	53	23.42	23.58	23.44	24.9	0.0	
40	PQ2 BPSK	1	104	23.34	23.50	23.43			
40	PQ2 BPSK	50	0	22.90	22.97	22.80	24.4	0.5	
40	PQ2 BPSK	50	28	23.53	23.62	23.48	24.9	0.0	
40	PQ2 BPSK	50	56	23.07	23.18	23.15	24.4	0.5	
40	PQ2 BPSK	100	0	23.11	23.23	23.06			
40	QPSK	1	1	23.06	23.09	23.05			
40	QPSK	1	53	23.59	23.69	23.53	24.9	0.0	
40	QPSK	1	104	23.12	23.15	23.09			
40	QPSK	50	0	22.37	22.41	22.31			
40	QPSK	50	28	23.54	23.65	23.61	24.9	0.0	
40	QPSK	50	56	22.39	22.42	22.37			
40	QPSK	100	0	22.42	22.50	22.46	23.9	1.0	
40	16QAM	1	1	22.04	22.10	22.05	23.9	1.0	
40	64QAM	1	1	20.53	20.60	20.56	22.4	2.5	
40	256QAM	1	1	18.88	19.04	18.92	20.4	4.5	
Channel									
Frequency (MHz)				518004	519000	519996	Tune-up Int.	MPR	
Channel				2595.01	2595	2604.99			
30	QPSK	1	1	23.47	23.66	23.37	24.9	0.0	
Channel									
Frequency (MHz)				518004	519000	519996	Tune-up Int.	MPR	
Channel				2590	2595	2610			
20	QPSK	1	1	23.44	23.57	23.39	24.9	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 518004	Power Middle Ch. Freq. 519000	Power High Ch. Freq. 519996	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	23.79	23.73	23.70			
40	PQ2 BPSK	1	53	24.05	24.16	24.05	25.7	0.0	
40	PQ2 BPSK	1	104	24.00	24.14	24.02			
40	PQ2 BPSK	50	0	23.47	23.53	23.43	25.2	0.5	
40	PQ2 BPSK	50	28	24.02	24.00	24.17	25.7	0.0	
40	PQ2 BPSK	50	56	24.18	24.18	24.12	25.2	0.5	
40	PQ2 BPSK	100	0	23.55	23.63	23.56			
40	QPSK	1	1	23.75	23.73	23.75			
40	QPSK	1	53	24.06	24.25	24.15	25.7	0.0	
40	QPSK	1	104	23.72	23.76	23.78			
40	QPSK	50	0	23.01	23.01	23.00			
40	QPSK	50	28	24.00	24.21	24.13	25.7	0.0	
40	QPSK	50	56	23.04	23.09	23.02			
40	QPSK	100	0	23.02	23.13	23.00	24.7	1.0	
40	16QAM	1	1	22.70	22.82	22.74	24.7	1.0	
40	64QAM	1	1	21.22	21.21	21.27	23.2	2.5	
40	256QAM	1	1	19.63	19.67	19.63	21.2	4.5	
Channel									
Frequency (MHz)				518004	519000	519996	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	23.98	24.07	23.97	25.7	0.0	
Channel									
Frequency (MHz)				518004	519000	519996	Tune-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	24.03	24.19	24.11	25.7	0.0	

Part27Q_n78(HPUE)_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3499.98			
100	P12 BPSK	1	1	25.51			
100	P12 BPSK	1	137	26.96			28.4
100	P12 BPSK	1	271	26.57			0.0
100	P12 BPSK	135	0	26.87			27.9
100	P12 BPSK	135	69	26.92			0.0
100	P12 BPSK	135	138	26.81			27.9
100	P12 BPSK	270	0	26.94			0.0
100	QPSK	1	1	26.65			
100	QPSK	1	137	26.97			28.4
100	QPSK	1	271	26.62			0.0
100	QPSK	135	0	26.94			
100	QPSK	135	69	26.95			28.4
100	QPSK	135	138	26.51			0.0
100	QPSK	270	0	26.92			27.4
100	16QAM	1	1	26.63			1.0
100	64QAM	1	1	24.37			2.5
100	256QAM	1	1	22.33			4.5
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	26.75	26.63	26.60	28.4
Channel				632400	633332	634260	
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	26.90	26.89	26.82	28.4
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	26.66	26.73	26.70	28.4
Channel				631666	633332	635000	
Frequency (MHz)				3473.02	3499.98	3505	
30	QPSK	1	1	26.65	26.67	26.58	28.4
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3509.98	
40	QPSK	1	1	26.79	26.60	26.73	28.4
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3514.99	
30	QPSK	1	1	26.87	26.82	26.78	28.4
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3510	
20	QPSK	1	1	26.92	26.85	26.90	28.4

Part27O_n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P12 BPSK	1	1	23.24			
100	P12 BPSK	1	137	24.39			25.4
100	P12 BPSK	1	271	23.53			0.0
100	P12 BPSK	135	0	24.14			25.4
100	P12 BPSK	135	69	24.36			0.0
100	P12 BPSK	135	138	24.12			25.4
100	P12 BPSK	270	0	24.19			0.0
100	QPSK	1	1	23.23			
100	QPSK	1	137	24.40			25.4
100	QPSK	1	271	23.54			0.0
100	QPSK	135	0	24.06			25.4
100	QPSK	135	69	24.37			0.0
100	QPSK	135	138	24.21			
100	QPSK	270	0	24.25			24.9
100	16QAM	1	1	22.95			1.0
100	64QAM	1	1	22.03			1.0
100	256QAM	1	1	22.06			1.5
Channel				649666	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	23.57	23.60	23.72	25.4
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	23.68	23.75	23.72	25.4
Channel				648998	650000	651002	
Frequency (MHz)				3735.02	3750	3769.98	
60	QPSK	1	1	23.68	23.67	23.75	25.4
Channel				648334	650000	651996	
Frequency (MHz)				3725.01	3750	3774.99	
30	QPSK	1	1	23.85	23.88	24.02	25.4
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	23.76	23.85	23.97	25.4
Channel				647666	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	24.17	24.05	23.85	25.4
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	24.07	24.21	24.11	25.4

Part27O_n78(HPUE)_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P12 BPSK	1	1	23.52			
100	P12 BPSK	1	137	27.30			28.4
100	P12 BPSK	1	271	26.53			0.0
100	P12 BPSK	135	0	26.75			27.9
100	P12 BPSK	135	69	27.32			0.0
100	P12 BPSK	135	138	26.95			27.9
100	P12 BPSK	270	0	26.79			0.0
100	QPSK	1	1	26.59			
100	QPSK	1	137	27.42			28.4
100	QPSK	1	271	26.53			0.0
100	QPSK	135	0	26.54			
100	QPSK	135	69	27.40			28.4
100	QPSK	135	138	26.53			0.0
100	QPSK	270	0	26.27			27.4
100	16QAM	1	1	25.57			1.0
100	64QAM	1	1	24.04			2.5
100	256QAM	1	1	22.08			4.5
Channel				649666	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	26.52	26.57	26.65	28.4
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	26.60	26.62	26.73	28.4
Channel				648998	650000	651002	
Frequency (MHz)				3735.02	3750	3769.98	
60	QPSK	1	1	26.70	26.73	26.84	28.4
Channel				648666	650000	651996	
Frequency (MHz)				3725.01	3750	3774.98	
30	QPSK	1	1	26.89	27.02	27.11	28.4
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	26.65	26.70	26.77	28.4
Channel				647666	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	27.01	26.95	26.87	28.4
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	1	27.10	27.12	26.89	28.4

Part27Q_n78_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 833332	Power Middle Ch. / Freq. 833332	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	PQ2 BPSK	1	1	21.53				
100	PQ2 BPSK	1	137	22.33			23.3	0.0
100	PQ2 BPSK	1	271	21.31				
100	PQ2 BPSK	135	0	22.21			23.3	0.0
100	PQ2 BPSK	135	69	22.30			23.3	0.0
100	PQ2 BPSK	135	138	22.15			23.3	0.0
100	PQ2 BPSK	270	0	22.17				
100	QPSK	1	1	21.65				
100	QPSK	1	137	22.35			23.3	0.0
100	QPSK	1	271	21.34				
100	QPSK	135	0	22.28				
100	QPSK	135	69	22.32			23.3	0.0
100	QPSK	135	138	22.09				
100	QPSK	270	0	22.25			22.8	0.5
100	16QAM	1	1	21.64			22.3	1.0
100	64QAM	1	1	21.40			22.3	1.0
100	256QAM	1	1	20.42			21.8	1.5
Channel				633000	633332	633656	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	21.54	21.55	21.57	23.3	0.0
Channel				635000	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	21.68	21.70	21.76	23.3	0.0
Channel				636000	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3499.98	3519.99		
60	QPSK	1	1	21.84	21.88	21.89	23.3	0.0
Channel				631698	633332	635950	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	21.89	21.96	21.92	23.3	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	21.77	21.72	21.71	23.3	0.0
Channel				631000	633332	635966	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.99	3524.99		
30	QPSK	1	1	21.95	21.91	21.88	23.3	0.0
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.05	22.05	21.97	23.3	0.0

Part27Q_n78(HPUE)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 833332	Power Middle Ch. / Freq. 833332	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	PQ2 BPSK	1	1	24.52				
100	PQ2 BPSK	1	137	25.28			26.3	0.0
100	PQ2 BPSK	1	271	24.34				
100	PQ2 BPSK	135	0	24.79			26.8	0.5
100	PQ2 BPSK	135	69	25.12			26.3	0.0
100	PQ2 BPSK	135	138	24.64			25.8	0.5
100	PQ2 BPSK	270	0	24.74				
100	QPSK	1	1	24.63				
100	QPSK	1	137	25.32			26.3	0.0
100	QPSK	1	271	24.30				
100	QPSK	135	0	24.31				
100	QPSK	135	69	25.30			26.3	0.0
100	QPSK	135	138	24.32				
100	QPSK	270	0	24.21			26.3	1.0
100	16QAM	1	1	23.74			26.3	1.0
100	64QAM	1	1	22.36			23.8	2.5
100	256QAM	1	1	20.24			21.8	4.5
Channel				633000	633332	633656	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	24.53	24.45	24.44	26.3	0.0
Channel				635000	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	24.65	24.63	24.62	26.3	0.0
Channel				636000	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3499.98	3519.99		
60	QPSK	1	1	24.79	24.72	24.70	26.3	0.0
Channel				631698	633332	635950	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	24.87	24.84	24.81	26.3	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	24.84	24.62	24.61	26.3	0.0
Channel				631000	633332	635966	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3524.99		
30	QPSK	1	1	24.85	24.81	24.79	26.3	0.0
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	24.97	24.94	24.92	26.3	0.0

Part270_n78_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				65000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1		21.02		23.3	0.0
100	PV2 BPSK	1	137		21.94			
100	PV2 BPSK	1	271		21.00			
100	PV2 BPSK	135	0		21.68		23.3	0.0
100	PV2 BPSK	135	69		21.90		23.3	0.0
100	PV2 BPSK	135	138		21.82		23.3	0.0
100	PV2 BPSK	270	0		21.71			
100	QPSK	1	1		21.01			
100	QPSK	1	137		21.97		23.3	0.0
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.67		23.3	0.0
100	QPSK	135	69		21.94			
100	QPSK	135	138		21.75			
100	QPSK	270	0		21.78		22.9	0.0
100	16QAM	1	1		20.82		22.3	1.0
100	64QAM	1	1		20.84		22.3	1.0
100	256QAM	1	1		19.73		21.8	1.5
Channel				64000	65000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1		21.04	21.00	21.02	23.3 0.0
Channel				640334	65000	650665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1		21.01	21.06	21.04	23.3 0.0
Channel				640668	65000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3759.98		
60	QPSK	1	1		21.39	21.41	21.44	23.3 0.0
Channel				648334	65000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1		21.44	21.41	21.46	23.3 0.0
Channel				648000	65000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		21.31	21.32	21.34	23.3 0.0
Channel				647668	65000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1		21.47	21.45	21.46	23.3 0.0
Channel				647334	65000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1		21.68	21.62	21.67	23.3 0.0

Part270_n78(HPUE)_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				65000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1		24.01		26.3	0.0
100	PV2 BPSK	1	137		24.97			
100	PV2 BPSK	1	271		24.03			
100	PV2 BPSK	135	0		24.19		25.8	0.0
100	PV2 BPSK	135	69		24.95		26.3	0.0
100	PV2 BPSK	135	138		24.22		25.8	0.0
100	PV2 BPSK	270	0		24.24			
100	QPSK	1	1		24.03			
100	QPSK	1	137		25.00		26.3	0.0
100	QPSK	1	271		24.05			
100	QPSK	135	0		24.04		26.3	0.0
100	QPSK	135	69		24.97			
100	QPSK	135	138		24.03			
100	QPSK	270	0		24.76		25.3	1.0
100	16QAM	1	1		23.15		22.3	1.0
100	64QAM	1	1		21.60		21.8	2.5
100	256QAM	1	1		19.51		21.8	4.5
Channel				64000	65000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1		24.12	24.15	24.05	26.3 0.0
Channel				640334	65000	650665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1		24.21	24.31	24.32	26.3 0.0
Channel				640668	65000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3759.98		
60	QPSK	1	1		24.51	24.54	24.56	26.3 0.0
Channel				648334	65000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1		24.81	24.82	24.80	26.3 0.0
Channel				648000	65000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		24.29	24.32	24.28	26.3 0.0
Channel				647668	65000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1		24.55	24.57	24.56	26.3 0.0
Channel				647334	65000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1		24.74	24.79	24.72	26.3 0.0

Part27Q_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Tune-up limit	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)						22.70			
100	PV2 BPSK	1	1			22.79	24.5	0.0	
100	PV2 BPSK	1	137			22.81			
100	PV2 BPSK	1	271			23.38			
100	PV2 BPSK	135	0			23.36	24.5	0.0	
100	PV2 BPSK	135	69			23.46	24.5	0.0	
100	PV2 BPSK	135	138			23.46	24.5	0.0	
100	PV2 BPSK	270	0			23.37			
100	QPSK	1	1			22.84			
100	QPSK	1	137			22.82	24.5	0.0	
100	QPSK	1	271			22.90			
100	QPSK	135	0			23.87			
100	QPSK	135	69			23.80	24.5	0.0	
100	QPSK	135	138			23.73			
100	QPSK	270	0			23.72			
100	16QAM	1	1			22.69	24.0	0.5	
100	64QAM	1	1			22.71	23.5	1.0	
100	256QAM	1	1			22.13	23.0	1.5	
Channel				633000		633332	633666		
Frequency (MHz)						3495	3499.98	3504.99	MPR (dB)
90	QPSK	1	1			632000	633332	634666	24.5
Channel						3490.02	3499.98	3510	
Frequency (MHz)						22.80	22.81	22.85	MPR (dB)
80	QPSK	1	1			632000	633332	635000	24.5
Channel						3480	3499.98	3519.99	
Frequency (MHz)						22.94	23.00	23.03	MPR (dB)
60	QPSK	1	1			631666	633332	635000	24.5
Channel						3475.02	3499.98	3505	
Frequency (MHz)						23.11	23.16	23.19	MPR (dB)
50	QPSK	1	1			631334	633332	635332	24.5
Channel						3470.01	3499.98	3509.99	
Frequency (MHz)						23.40	23.42	23.45	MPR (dB)
40	QPSK	1	1			631000	633332	635666	24.5
Channel						3465	3499.98	3504.99	
Frequency (MHz)						23.13	23.18	23.24	MPR (dB)
30	QPSK	1	1			630668	633332	636000	24.5
Channel						3460.02	3499.98	3500	
Frequency (MHz)						23.60	23.63	23.69	MPR (dB)
20	QPSK	1	1			23.60	23.63	23.69	24.5

Part27Q_n78(HPUE)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Tune-up limit	MPR (dB)
Channel				633332		3499.98		
Frequency (MHz)						23.76		
100	PV2 BPSK	1	1			26.72	27.5	0.0
100	PV2 BPSK	1	137			25.71		
100	PV2 BPSK	1	271			25.99		
100	PV2 BPSK	135	0			26.71	27.0	0.5
100	PV2 BPSK	135	69			26.05	27.5	0.0
100	PV2 BPSK	135	138			25.96	27.0	0.5
100	PV2 BPSK	270	0			25.84		
100	QPSK	1	1			26.78	27.5	0.0
100	QPSK	1	137			25.91		
100	QPSK	1	271			26.20		
100	QPSK	135	0			26.75	27.5	0.0
100	QPSK	135	69			26.27		
100	QPSK	135	138			26.27	26.5	1.0
100	QPSK	270	0			26.16		
100	16QAM	1	1			25.90	26.5	1.0
100	64QAM	1	1			25.97	26.0	2.5
100	256QAM	1	1			21.92	25.0	4.5
Channel				633000		633332	633666	634000
Frequency (MHz)						3495	3499.98	3504.99
Frequency (MHz)						25.88	25.91	25.91
90	QPSK	1	1			632000	633332	634666
Channel						3490.02	3499.98	3510
Frequency (MHz)						25.71	25.74	25.77
80	QPSK	1	1			632000	633332	635000
Channel						3480	3499.98	3519.99
Frequency (MHz)						25.98	26.00	26.05
60	QPSK	1	1			631666	633332	635000
Channel						3475.02	3499.98	3505
Frequency (MHz)						26.01	26.07	26.09
50	QPSK	1	1			631334	633332	635332
Channel						3470.01	3499.98	3509.99
Frequency (MHz)						25.82	25.91	25.94
40	QPSK	1	1			631000	633332	635666
Channel						3465	3499.98	3504.99
Frequency (MHz)						26.34	26.40	26.48
30	QPSK	1	1			630668	633332	636000
Channel						3460.02	3499.98	3500
Frequency (MHz)						26.53	26.55	26.59
20	QPSK	1	1			26.53	26.55	26.59

Part27O_n78_Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750							
100	P12 BPSK	1	1	22.67			24.5	0.0			
100	P12 BPSK	1	137	23.72							
100	P12 BPSK	1	271	23.02							
100	P12 BPSK	135	0	23.54			24.5	0.0			
100	P12 BPSK	135	69	23.70			24.5	0.0			
100	P12 BPSK	135	138	23.81			24.5	0.0			
100	P12 BPSK	270	0	23.54			24.5	0.0			
100	QPSK	1	1	22.75							
100	QPSK	1	137	23.76							
100	QPSK	1	271	22.76			24.5	0.0			
100	QPSK	135	0	23.45							
100	QPSK	135	69	23.73							
100	QPSK	135	138	23.57			24.5	0.5			
100	QPSK	270	0	23.55							
100	16QAM	1	1	22.42			23.5	1.0			
100	64QAM	1	1	22.43			23.5	1.0			
100	256QAM	1	1	21.86			23.0	1.5			
Channel				649658	650000	650332	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3754.98	MPR (dB)				
90	QPSK	1	1	22.61	22.64	22.67	24.5	0.0			
Channel				647334	650000	652666	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3759.99	MPR (dB)				
80	QPSK	1	1	22.81	22.83	22.88	24.5	0.0			
Channel				648698	650000	651302	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3769.98	MPR (dB)				
60	QPSK	1	1	23.04	23.07	23.09	24.5	0.0			
Channel				648334	650000	651666	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3774.99	MPR (dB)				
50	QPSK	1	1	23.23	23.26	23.32	24.5	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1	23.01	23.08	23.11	24.5	0.0			
Channel				647698	650000	652332	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3784.98	MPR (dB)				
30	QPSK	1	1	23.25	23.30	23.35	24.5	0.0			
Channel				647334	650000	652666	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3789.99	MPR (dB)				
20	QPSK	1	1	23.41	23.45	23.49	24.5	0.0			

Part27O_n78(HPUE)_Ant 5									
BW [MHz]	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)				650000					
100	P12 BPSK	1	1	23.70			27.5	0.0	
100	P12 BPSK	1	137	26.78					
100	P12 BPSK	1	271	25.85					
100	P12 BPSK	135	0	26.01			27.0	0.5	
100	P12 BPSK	135	69	26.75			27.5	0.0	
100	P12 BPSK	135	138	26.14			27.0	0.5	
100	QPSK	1	1	23.67			27.5	0.0	
100	QPSK	1	137	26.80					
100	QPSK	1	271	25.71					
100	QPSK	135	0	26.02			27.5	0.0	
100	QPSK	135	69	26.76					
100	QPSK	135	138	26.09					
100	QPSK	270	0	26.06			28.5	1.0	
100	16QAM	1	1	25.58			26.5	1.0	
100	64QAM	1	1	23.78			25.0	2.5	
100	256QAM	1	1	21.62			23.0	4.5	
Channel				649658	650000	650332	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	25.91	25.92	25.92	27.5	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	26.01	26.03	26.08	27.5	0.0	
Channel				648698	650000	651332	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	26.23	26.25	26.27	27.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	26.44	26.48	26.51	27.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	26.18	26.22	26.26	27.5	0.0	
Channel				647698	650000	652332	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	26.45	26.47	26.52	27.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	26.62	26.64	26.65	27.5	0.0	

Part27Q_n78_Ant 6								
BW [MHz]	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)				3499.98				
100	PQ2 BPSK	1	1		19.84			
100	PQ2 BPSK	1	137		20.95		21.8	0.0
100	PQ2 BPSK	1	271		19.80			
100	PQ2 BPSK	135	0		20.63		21.8	0.0
100	PQ2 BPSK	135	69		20.92		21.8	0.0
100	PQ2 BPSK	135	138		20.51		21.8	0.0
100	PQ2 BPSK	270	0		20.51			
100	QPSK	1	1		15.95			
100	QPSK	1	137		20.98		21.8	0.0
100	QPSK	1	271		20.01			
100	QPSK	135	0		20.74			
100	QPSK	135	69		20.95		21.8	0.0
100	QPSK	135	138		20.75			
100	QPSK	270	0		20.70		21.8	0.0
100	16QAM	1	1		19.81		20.8	1.0
100	64QAM	1	1		19.84		20.8	1.0
100	256QAM	1	1		18.89		20.3	1.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499	3499.98	3504.99		
90	QPSK	1	1	20.05	20.11	20.07	21.8	0.0
Channel				635000	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	20.18	20.20	20.25	21.8	0.0
Channel				636000	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	20.41	20.43	20.42	21.8	0.0
Channel				637000	633332	637000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.04	3499.98	3509.98		
50	QPSK	1	1	20.53	20.54	20.52	21.8	0.0
Channel				638134	633332	638134	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.06	3499.98	3500.98		
40	QPSK	1	1	20.31	20.35	20.34	21.8	0.0
Channel				6391000	633332	639966	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450	3499.99	3504.99		
30	QPSK	1	1	20.48	20.51	20.48	21.8	0.0
Channel				636068	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3500		
20	QPSK	1	1	20.65	20.65	20.64	21.8	0.0

Part27Q_n78(HPUE)_Ant 6								
BW [MHz]	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)				3499.98				
100	PQ2 BPSK	1	1		23.00			
100	PQ2 BPSK	1	137		23.90		24.8	0.0
100	PQ2 BPSK	1	271		22.86			
100	PQ2 BPSK	135	0		23.72		24.8	0.0
100	PQ2 BPSK	135	69		23.87		24.8	0.0
100	PQ2 BPSK	135	138		23.74		24.8	0.5
100	PQ2 BPSK	270	0		23.77			
100	QPSK	1	1		21.05			
100	QPSK	1	137		23.95		24.8	0.0
100	QPSK	1	271		23.00			
100	QPSK	135	0		22.92			
100	QPSK	135	69		23.93		24.8	0.0
100	QPSK	135	138		22.84			
100	QPSK	270	0		22.84		23.8	1.0
100	16QAM	1	1		22.52		23.8	1.0
100	64QAM	1	1		20.76		22.3	2.5
100	256QAM	1	1		18.77		20.3	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499	3499.98	3504.99		
90	QPSK	1	1	23.24	23.22	23.21	24.8	0.0
Channel				635000	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	23.42	23.40	23.39	24.8	0.0
Channel				636000	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	23.58	23.56	23.52	24.8	0.0
Channel				637000	633332	637000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.04	3499.98	3509.98		
50	QPSK	1	1	23.76	23.72	23.71	24.8	0.0
Channel				638134	633332	638134	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.06	3499.98	3500.98		
40	QPSK	1	1	23.49	23.45	23.43	24.8	0.0
Channel				6391000	633332	639966	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450	3499.99	3504.99		
30	QPSK	1	1	23.65	23.64	23.61	24.8	0.0
Channel				636068	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3500		
20	QPSK	1	1	23.88	23.81	23.78	24.8	0.0

Part27O_n78_Ant 6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750							
100	P12 BPSK	1	1	19.90			21.8	0.0			
100	P12 BPSK	1	137	20.83							
100	P12 BPSK	1	271	19.84							
100	P12 BPSK	135	0	20.52			21.8	0.0			
100	P12 BPSK	135	69	20.80							
100	P12 BPSK	135	138	20.52							
100	P12 BPSK	270	0	20.50			21.8	0.0			
100	QPSK	1	1	19.96							
100	QPSK	1	137	20.85							
100	QPSK	1	271	19.81			21.8	0.0			
100	QPSK	135	0	20.74							
100	QPSK	135	69	20.82							
100	QPSK	135	138	20.59			21.8	0.0			
100	QPSK	270	0	20.67							
100	16QAM	1	1	19.72						23.8	
100	64QAM	1	1	19.76			20.3	1.0			
100	256QAM	1	1	18.80				2.5			
Channel				649698	650000	650332		20.3			
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)				
90	QPSK	1	1	20.08	20.01	20.03	21.8	0.0			
Channel				649334	650000	650666	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)				
80	QPSK	1	1	20.41	20.39	20.40	21.8	0.0			
Channel				648698	650000	651332	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3769.98	Tune-up limit (dBm)				
60	QPSK	1	1	20.44	20.44	20.46	21.8	0.0			
Channel				648334	650000	651666	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dBm)				
50	QPSK	1	1	20.63	20.60	20.62	21.8	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)				
40	QPSK	1	1	20.38	20.34	20.38	21.8	0.0			
Channel				647698	650000	652302	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3784.98	Tune-up limit (dBm)				
30	QPSK	1	1	20.58	20.56	20.57	21.8	0.0			
Channel				647334	650000	652666	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dBm)				
20	QPSK	1	1	20.71	20.66	20.63	21.8	0.0			

Part27O_n78(HPUE)_Ant 6										
BW [MHz]	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)				65000						
100	P12 BPSK	1	1	22.92			24.8	0.0		
100	P12 BPSK	1	137	23.77						
100	P12 BPSK	1	271	22.81						
100	P12 BPSK	135	0	23.58			24.3	0.5		
100	P12 BPSK	135	69	23.53						
100	P12 BPSK	135	138	23.44						
100	P12 BPSK	270	0	23.49			24.3	0.5		
100	QPSK	1	1	22.88						
100	QPSK	1	137	23.79						
100	QPSK	1	271	22.82			24.8	0.0		
100	QPSK	135	0	23.80						
100	QPSK	135	69	23.75						
100	QPSK	135	138	22.85			24.8	0.0		
100	QPSK	270	0	22.96						
100	16QAM	1	1	22.16						23.8
100	64QAM	1	1	20.61			23.8	1.0		
100	256QAM	1	1	18.90				2.5		
Channel				649605	650000	650332		20.3		
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)			
90	QPSK	1	1	22.94	22.91	23.02	24.8	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)			
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)			
80	QPSK	1	1	23.01	23.07	23.14	24.8	0.0		
Channel				648698	650000	651332	Tune-up limit (dBm)			
Frequency (MHz)				3730.02	3750	3769.98	Tune-up limit (dBm)			
60	QPSK	1	1	23.22	23.24	23.35	24.8	0.0		
Channel				648334	650000	651666	Tune-up limit (dBm)			
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dBm)			
50	QPSK	1	1	23.38	23.42	23.55	24.8	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)			
40	QPSK	1	1	23.05	23.12	23.14	24.8	0.0		
Channel				647698	650000	652302	Tune-up limit (dBm)			
Frequency (MHz)				3715.02	3750	3784.98	Tune-up limit (dBm)			
30	QPSK	1	1	23.30	23.33	23.38	24.8	0.0		
Channel				647334	650000	652666	Tune-up limit (dBm)			
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dBm)			
20	QPSK	1	1	23.44	23.50	23.53	24.8	0.0		

[illegible]

n7_Ant 2									
Pos (km)	Antenna	RF Size	RF Eff	Ch. Eff	Low Noise	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density
					100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
00	POS 00000	1.00	0.00	0.00	14.71	14.71	14.71		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.83	14.83	14.83	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.74	14.74	14.74		
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14.73		
00	POS 00000	1.00	0.00	0.00	14.80	14.80	14.80	16.7	0.0
00	POS 00000	1.00	0.00	0.00	14.73	14.73	14		

n7 Ant 3									
SW (MHz)	Modulation	BS Data	SW (Hz)	Time Tune	Power Margin	Power Age	Time Margin	Time Age	SNR (dB)
Channel									
Frequency (MHz)									
50	PSK (BPSK)	1	1	23.02	23.04	23.08			
50	PSK (BPSK)	1	126	23.05	23.05	23.20	26.7	0.0	
50	PSK (BPSK)	1	948	23.20	23.21	23.35			
50	PSK (BPSK)	126	1	23.24	23.26	23.37	24.2	0.0	
50	PSK (BPSK)	126	126	23.45	23.46	23.59	24.7	0.0	
50	PSK (BPSK)	126	948	23.60	23.75	23.86			
50	QPSK	230	1	23.44	23.55	23.66			
50	QPSK	230	126	23.56	23.57	23.60	26.7	0.0	
50	QPSK	230	948	23.74	23.74	23.79			
50	QPSK	126	1	23.47	23.54	23.61	23.7	1.0	
50	QPSK	126	126	23.58	23.58	23.61	23.7	1.0	
50	QPSK	126	948	23.60	23.60	23.61	23.7	1.0	
50	16QAM	460	1	23.78	23.82	23.96			
50	16QAM	460	126	23.92	23.97	24.03	23.2	0.0	
50	16QAM	460	948	24.06	24.06	24.07	22.0	-0.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.00	23.04	23.04	26.7	0.0	
30	QPSK	1	1	23.01	23.04	23.05	24.7	0.0	
Frequency (MHz)									
30	QPSK	126	1	23.05	23.05	23.20	24.7	0.0	
Frequency (MHz)									
20	QPSK	126	1	23.12	23.14	23.15	24.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	126	126	23.14	23.15	23.20	24.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.08	23.07	23.07	23.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.01	23.03	23.03	23.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.21	23.21	23.26	23.7	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. S18004	Power Middle Ch. Freq. S19000	Power High Ch. Freq. S19996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	21.53	22.53	21.51			
40	P12 BPSK	1	53	22.43	22.52	22.42	23.5	0.0	
40	P12 BPSK	1	104	22.01	22.59	21.98			
40	P12 BPSK	50	0	22.23	22.35	22.30	23.5	0.0	
40	P12 BPSK	50	28	22.44	22.55	22.43	23.5	0.0	
40	P12 BPSK	50	56	22.25	22.36	22.27	23.5	0.0	
40	P12 BPSK	100	0	22.37	22.45	22.33	23.5	0.0	
40	QPSK	1	1	21.84	22.04	22.02			
40	QPSK	1	53	22.51	22.56	22.50	23.5	0.0	
40	QPSK	1	104	21.87	22.07	22.01			
40	QPSK	50	0	22.34	22.36	22.26			
40	QPSK	50	28	22.40	22.55	22.53	23.5	0.0	
40	QPSK	50	56	22.34	22.42	22.35			
40	QPSK	100	0	22.26	22.51	22.53	23.5	0.0	
40	16QAM	1	1	21.86	21.77	21.65	23.5	0.0	
40	64QAM	1	1	21.36	21.39	21.31	23.0	0.5	
40	256QAM	1	1	19.89	19.53	19.84	21.0	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.89	21.98	21.87	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.87	21.95	21.81	23.5	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq. S18004	Mid Ch. Freq. S19000	High Ch. Freq. S19996			
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	15.44	15.50	15.52			
40	P12 BPSK	1	53	15.97	16.03	15.94	17.4	0.0	
40	P12 BPSK	1	104	15.49	15.56	15.49			
40	P12 BPSK	50	0	15.86	15.94	15.83	17.4	0.0	
40	P12 BPSK	50	28	16.04	16.06	16.03	17.4	0.0	
40	P12 BPSK	50	56	15.81	15.91	15.89	17.4	0.0	
40	P12 BPSK	100	0	15.84	15.96	15.85	17.4	0.0	
40	QPSK	1	1	15.62	15.69	15.59			
40	QPSK	1	53	15.54	16.00	16.03	17.4	0.0	
40	QPSK	1	104	15.47	15.53	15.43			
40	QPSK	50	0	15.83	15.93	15.81			
40	QPSK	50	28	15.50	16.00	16.07	17.4	0.0	
40	QPSK	50	56	15.81	15.92	15.69			
40	QPSK	100	0	15.90	16.05	15.96	17.4	0.0	
40	16QAM	1	1	15.45	15.43	15.42	17.4	0.0	
40	64QAM	1	1	15.51	15.41	15.44	17.4	0.0	
40	256QAM	1	1	15.97	16.04	15.82	17.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.41	15.45	15.44	17.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.43	15.54	15.40	17.4	0.0	

n38 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq. S18004	Mid Ch. Freq. S19000	High Ch. Freq. S19996			
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	15.50	15.50	15.50			
40	P12 BPSK	1	53	15.45	15.59	15.54	17.2	0.0	
40	P12 BPSK	1	104	15.26	15.30	15.21			
40	P12 BPSK	50	0	15.43	15.51	15.47	17.2	0.0	
40	P12 BPSK	50	28	15.54	15.60	15.46	17.2	0.0	
40	P12 BPSK	50	56	15.51	15.59	15.48	17.2	0.0	
40	P12 BPSK	100	0	15.40	15.48	15.44	17.2	0.0	
40	QPSK	1	1	15.53	15.57	15.53			
40	QPSK	1	53	15.57	15.65	15.59	17.2	0.0	
40	QPSK	1	104	15.27	15.35	15.32			
40	QPSK	50	0	15.42	15.48	15.42			
40	QPSK	50	28	15.53	15.65	15.54	17.2	0.0	
40	QPSK	50	56	15.46	15.60	15.48			
40	QPSK	100	0	15.46	15.61	15.47	17.2	0.0	
40	16QAM	1	1	15.23	15.31	15.28	17.2	0.0	
40	64QAM	1	1	15.25	15.30	15.26	17.2	0.0	
40	256QAM	1	1	15.37	15.47	15.36	17.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.24	15.28	15.28	17.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.28	15.27	15.29	17.2	0.0	



Part27Q_n78(HPUE)_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				3499.98				
Frequency (MHz)				14.13				
100	PV2 BPSK	1	1		14.13		15.9	0.0
100	PV2 BPSK	1	137		14.64			
100	PV2 BPSK	1	271		14.03			
100	PV2 BPSK	135	0		14.64		15.9	0.0
100	PV2 BPSK	135	69		14.07		15.9	0.0
100	PV2 BPSK	135	138		14.53		15.9	0.0
100	PV2 BPSK	270	0		14.54			
100	QPSK	1	1		14.17			
100	QPSK	1	137		14.69		15.9	0.0
100	QPSK	1	271		13.98			
100	QPSK	135	0		14.50		15.9	0.0
100	QPSK	135	69		14.05			
100	QPSK	135	138		14.50			
100	QPSK	270	0		14.58		15.9	0.0
100	16QAM	1	1		14.37		15.9	0.0
100	64QAM	1	1		14.27		15.9	0.0
100	256QAM	1	1		14.20		15.9	0.0
Channel				633000	633152	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	14.11	14.13	14.08	15.9	0.0
Channel				632466	633152	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	14.01	14.05	14.03	15.9	0.0
Channel				632000	633332	634986	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	13.98	14.09	14.00	15.9	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3474.02	3499.98	3505		
50	QPSK	1	1	14.10	14.05	13.95	15.9	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3509.98		
40	QPSK	1	1	13.95	14.09	13.94	15.9	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3468	3499.98	3514.98		
30	QPSK	1	1	14.04	14.03	14.02	15.9	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.02	3499.98	3502		
20	QPSK	1	1	14.05	13.97	14.03	15.9	0.0

Part27Q_n78(HPUE)_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					633332				
Frequency (MHz)					3499.98				
100	PV2 BPSK	1	1		19.94				
100	PV2 BPSK	1	137		20.84		21.8	0.0	
100	PV2 BPSK	1	271		19.86				
100	PV2 BPSK	135	0		20.71		21.8	0.0	
100	PV2 BPSK	135	69		20.77		21.8	0.0	
100	PV2 BPSK	135	138		20.59		21.8	0.0	
100	PV2 BPSK	270	0		20.62				
100	QPSK	1	1		19.92				
100	QPSK	1	137		20.86		21.8	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		20.67				
100	QPSK	135	69		20.83		21.8	0.0	
100	QPSK	135	138		20.63				
100	QPSK	270	0		20.96		21.8	0.0	
100	16QAM	1	1		20.21		21.8	0.0	
100	64QAM	1	1		20.07		21.8	0.0	
100	256QAM	1	1		20.00		21.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	20.06	20.07	20.12	21.8	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3519			
80	QPSK	1	1	20.06	20.03	20.01	21.8	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	20.05	19.99	19.98	21.8	0.0	
Channel				631000	633332	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3524			
50	QPSK	1	1	20.02	19.96	20.01	21.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.90	19.97	20.01	21.8	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	19.92	19.91	20.05	21.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.91	20.03	20.05	21.8	0.0	

Part270_n78_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)								
100	P12 BPSK	1	1	16.70				
100	P12 BPSK	1	137	17.46			18.8	0.0
100	P12 BPSK	1	271	16.72				
100	P12 BPSK	135	0	17.29			18.8	0.0
100	P12 BPSK	135	69	17.47			18.8	0.0
100	P12 BPSK	135	138	17.36				
100	P12 BPSK	270	0	17.32			18.8	0.0
100	QPSK	1	1	16.69				
100	QPSK	1	137	17.50			18.8	0.0
100	QPSK	1	271	16.70				
100	QPSK	135	0	17.26				
100	QPSK	135	69	17.48			18.8	0.0
100	QPSK	135	138	17.35				
100	QPSK	270	0	17.44			18.8	0.0
100	16QAM	1	1	16.65			18.8	0.0
100	64QAM	1	1	16.49			18.8	0.0
100	256QAM	1	1	17.62			18.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.87	16.83	16.88	18.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.87	16.82	16.90	18.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.88	16.80	16.95	18.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.78	16.76	16.89	18.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.88	16.90	16.93	18.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.79	16.86	16.89	18.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.85	16.87	16.82	18.8	0.0

Part270_n78(HPUE)_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)								
100	P12 BPSK	1	1	19.49				
100	P12 BPSK	1	137	20.54			21.8	0.0
100	P12 BPSK	1	271	19.52				
100	P12 BPSK	135	0	20.34			21.8	0.0
100	P12 BPSK	135	69	20.53			21.8	0.0
100	P12 BPSK	135	138	20.34				
100	P12 BPSK	270	0	20.34			21.8	0.0
100	QPSK	1	1	19.41				
100	QPSK	1	137	20.56			21.8	0.0
100	QPSK	1	271	19.47				
100	QPSK	135	0	20.36				
100	QPSK	135	69	20.52			21.8	0.0
100	QPSK	135	138	20.39				
100	QPSK	270	0	20.44			21.8	0.0
100	16QAM	1	1	19.69			21.8	0.0
100	64QAM	1	1	19.56			21.8	0.0
100	256QAM	1	1	19.85			21.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.69	19.60	19.61	21.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.62	19.67	19.64	21.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.69	19.60	19.54	21.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.70	19.67	19.67	21.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.64	19.52	19.59	21.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.65	19.52	19.56	21.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.63	19.57	19.55	21.8	0.0

Part270_n78_Ant 5								
BW [MHz]	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)								
100	P12 BPSK	1	1	14.70				
100	P12 BPSK	1	137	15.31			16.0	0.0
100	P12 BPSK	1	271	14.71				
100	P12 BPSK	135	0	15.26			16.0	0.0
100	P12 BPSK	135	69	15.34			16.0	0.0
100	P12 BPSK	135	138	15.32				
100	P12 BPSK	270	0	15.26			16.0	0.0
100	QPSK	1	1	14.60				
100	QPSK	1	137	15.30			16.0	0.0
100	QPSK	1	271	14.59				
100	QPSK	135	0	15.21				
100	QPSK	135	69	15.32			16.0	0.0
100	QPSK	135	138	15.21				
100	QPSK	270	0	15.25			16.0	0.0
100	16QAM	1	1	14.88			16.0	0.0
100	64QAM	1	1	14.80			16.0	0.0
100	256QAM	1	1	14.81			16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.94	14.89	14.91	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.86	14.91	14.84	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.99	14.96	14.85	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.89	14.88	14.90	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.96	14.84	14.92	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.85	14.84	14.91	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.92	14.96	14.96	16.0	0.0

Part27Q_n78(HPUE)_Ant 5									
BW (MHz)	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)				3499.98					
100	PV2 BPSK	1	1	17.62			19.0	0.0	
100	PV2 BPSK	1	137		18.23				
100	PV2 BPSK	1	271		17.63				
100	PV2 BPSK	135	0		18.17		19.0	0.0	
100	PV2 BPSK	135	69		18.22		19.0	0.0	
100	PV2 BPSK	135	138		18.20		19.0	0.0	
100	PV2 BPSK	270	0		18.16				
100	QPSK	1	1	17.57			19.0	0.0	
100	QPSK	1	137		18.26				
100	QPSK	1	271		17.55				
100	QPSK	135	0		18.16		19.0	0.0	
100	QPSK	135	69		18.24				
100	QPSK	135	138		18.19				
100	QPSK	270	0		18.20		19.0	0.0	
100	16QAM	1	1		17.84		19.0	0.0	
100	64QAM	1	1		17.70		19.0	0.0	
100	256QAM	1	1		17.64		19.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	17.81	17.77	17.76	19.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.02	3499.98	3519			
80	QPSK	1	1	17.74	17.83	17.78	19.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3519.99			
60	QPSK	1	1	17.78	17.78	17.80	19.0	0.0	
Channel				631098	633332	635550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.92	3499.98	3524			
50	QPSK	1	1	17.80	17.76	17.89	19.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.91	3499.98	3529.98			
40	QPSK	1	1	17.73	17.75	17.76	19.0	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	17.77	17.75	17.74	19.0	0.0	
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.44	17.70	17.82	19.0	0.0	

Part270_n78_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P2-BPSK	1	1	14.44			
100	P2-BPSK	1	137	15.21			16.0
100	P2-BPSK	1	271	14.58			0.0
100	P2-BPSK	135	0	15.16			16.0
100	P2-BPSK	135	69	15.25			16.0
100	P2-BPSK	135	138	15.22			16.0
100	P2-BPSK	270	0	15.17			0.0
100	QPSK	1	1	14.45			
100	QPSK	1	137	15.30			16.0
100	QPSK	1	271	14.63			0.0
100	QPSK	135	0	15.11			16.0
100	QPSK	135	69	15.27			16.0
100	QPSK	135	138	15.17			0.0
100	QPSK	270	0	15.26			16.0
100	16QAM	1	1	14.59			16.0
100	64QAM	1	1	14.27			16.0
100	256QAM	1	1	14.78			16.0
Channel				549658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	14.56	14.58	14.62	16.0
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	14.63	14.56	14.57	16.0
Channel				648998	650000	651152	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	14.54	14.53	14.53	16.0
Channel				648334	650000	651666	
Frequency (MHz)				3720.01	3750	3774.99	
50	QPSK	1	1	14.53	14.50	14.63	16.0
Channel				648090	650000	652000	
Frequency (MHz)				3710.01	3750	3790.00	
40	QPSK	1	1	14.49	14.51	14.54	16.0
Channel				647698	650000	652332	
Frequency (MHz)				3700.02	3750	3784.98	
30	QPSK	1	1	14.52	14.45	14.49	16.0
Channel				647334	650000	652666	
Frequency (MHz)				3690.01	3750	3809.99	
20	QPSK	1	1	14.46	14.58	14.55	16.0

Part270_n78(HPUE)_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P2-BPSK	1	1	17.52			
100	P2-BPSK	1	137	18.31			19.0
100	P2-BPSK	1	271	17.69			0.0
100	P2-BPSK	135	0	18.19			19.0
100	P2-BPSK	135	69	18.33			19.0
100	P2-BPSK	135	138	18.31			19.0
100	P2-BPSK	270	0	18.25			0.0
100	QPSK	1	1	17.44			
100	QPSK	1	137	18.34			19.0
100	QPSK	1	271	17.58			0.0
100	QPSK	135	0	18.14			19.0
100	QPSK	135	69	18.32			19.0
100	QPSK	135	138	18.28			0.0
100	QPSK	270	0	18.25			19.0
100	16QAM	1	1	17.71			19.0
100	64QAM	1	1	17.56			19.0
100	256QAM	1	1	17.57			19.0
Channel				649658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	17.71	17.67	17.75	19.0
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	17.60	17.67	17.73	19.0
Channel				648998	650000	651152	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	17.71	17.69	17.75	19.0
Channel				648334	650000	651666	
Frequency (MHz)				3720.01	3750	3774.99	
50	QPSK	1	1	17.65	17.63	17.68	19.0
Channel				648090	650000	652000	
Frequency (MHz)				3710.01	3750	3790.00	
40	QPSK	1	1	17.73	17.60	17.74	19.0
Channel				647698	650000	652332	
Frequency (MHz)				3700.02	3750	3784.98	
30	QPSK	1	1	17.70	17.70	17.74	19.0
Channel				647334	650000	652666	
Frequency (MHz)				3700.01	3750	3789.99	
20	QPSK	1	1	17.71	17.65	17.77	19.0

Part270_n78_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3699.98			
100	P2-BPSK	1	1	13.12			
100	P2-BPSK	1	137	13.70			14.3
100	P2-BPSK	1	271	12.81			0.0
100	P2-BPSK	135	0	13.87			14.3
100	P2-BPSK	135	69	13.70			14.3
100	P2-BPSK	135	138	13.45			14.3
100	P2-BPSK	270	0	13.53			0.0
100	QPSK	1	1	13.10			
100	QPSK	1	137	13.71			14.3
100	QPSK	1	271	12.75			0.0
100	QPSK	135	0	13.61			14.3
100	QPSK	135	69	13.55			14.3
100	QPSK	135	138	13.51			0.0
100	QPSK	270	0	13.81			14.3
100	16QAM	1	1	12.86			14.3
100	64QAM	1	1	12.90			14.3
100	256QAM	1	1	13.48			14.3
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	13.05	13.07	13.04	14.3
Channel				632998	633332	633666	
Frequency (MHz)				3490.02	3499.98	3500	
80	QPSK	1	1	12.99	13.04	13.02	14.3
Channel				632698	633332	634000	
Frequency (MHz)				3480.01	3499.98	3509.99	
60	QPSK	1	1	13.02	13.01	12.87	14.3
Channel				631698	633332	635000	
Frequency (MHz)				3470.01	3499.98	3509.98	
50	QPSK	1	1	13.04	12.98	13.06	14.3
Channel				631334	633332	635332	
Frequency (MHz)				3460.01	3499.98	3509.98	
40	QPSK	1	1	13.00	13.07	12.90	14.3
Channel				631098	633332	635666	
Frequency (MHz)				3450.01	3499.98	3504.99	
30	QPSK	1	1	13.06	13.08	13.03	14.3
Channel				630698	633332	636000	
Frequency (MHz)				3440.02	3499.98	3504.99	
20	QPSK	1	1	12.98	13.07	12.96	14.3

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	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)				3499.98					
100	PV2 BPSK	1	1		16.09				
100	PV2 BPSK	1	137		16.07		17.3	0.0	
100	PV2 BPSK	1	271		15.79				
100	PV2 BPSK	135	0		16.81		17.3	0.0	
100	PV2 BPSK	135	69		16.65		17.3	0.0	
100	PV2 BPSK	135	138		16.47		17.3	0.0	
100	PV2 BPSK	270	0		16.52				
100	QPSK	1	1		15.04				
100	QPSK	1	137		16.09		17.3	0.0	
100	QPSK	1	271		15.74				
100	QPSK	135	0		16.60				
100	QPSK	135	69		16.06		17.3	0.0	
100	QPSK	135	138		16.48				
100	QPSK	270	0		16.21		17.3	0.0	
100	16QAM	1	1		16.35		17.3	0.0	
100	64QAM	1	1		16.25		17.3	0.0	
100	256QAM	1	1		16.17		17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	16.07	16.14	16.09	17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.02	3499.98	3519			
80	QPSK	1	1	15.98	16.13	15.99	17.3	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3519.99			
60	QPSK	1	1	16.10	16.09	16.02	17.3	0.0	
Channel				631098	633332	635590	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.92	3499.98	3525			
50	QPSK	1	1	16.13	16.04	16.07	17.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.91	3499.98	3529.98			
40	QPSK	1	1	16.14	16.09	16.01	17.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	15.97	16.40	16.08	17.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.06	16.09	16.05	17.3	0.0	

Part270_n78_Ant 6								
BW [MHz]	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)				3750				
100	P12 BPSK	1	1	12.58				
100	P12 BPSK	1	137	13.34			14.3	0.0
100	P12 BPSK	1	271	12.48				
100	P12 BPSK	135	0	13.29			14.3	0.0
100	P12 BPSK	135	69	13.28			14.3	0.0
100	P12 BPSK	135	138	13.18				
100	P12 BPSK	270	0	13.19			14.3	0.0
100	QPSK	1	1	12.29				
100	QPSK	1	137	13.36			14.3	0.0
100	QPSK	1	271	12.43				
100	QPSK	135	0	13.22				
100	QPSK	135	69	13.33			14.3	0.0
100	QPSK	135	138	13.16				
100	QPSK	270	0	13.27			14.3	0.0
100	16QAM	1	1	12.35			14.3	0.0
100	64QAM	1	1	12.37			14.3	0.0
100	256QAM	1	1	12.80			14.3	0.0
Channel				549658	600000	650332		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	12.51	12.58	12.58	14.3	0.0
Channel				645334	650000	655066		
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	12.49	12.62	12.58	14.3	0.0
Channel				648598	650000	651302		
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	12.54	12.60	12.46	14.3	0.0
Channel				648334	650000	651666		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	12.49	12.57	12.50	14.3	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.45	12.50	12.58	14.3	0.0
Channel				647698	650000	652302		
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	12.55	12.48	12.56	14.3	0.0
Channel				647334	650000	652666		
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	12.45	12.52	12.45	14.3	0.0

Part270_n78(HPUE)_Ant 6								
BW [MHz]	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)				3750				
100	P12 BPSK	1	1	13.72				
100	P12 BPSK	1	137	16.47			17.3	0.0
100	P12 BPSK	1	271	13.58				
100	P12 BPSK	135	0	16.36			17.3	0.0
100	P12 BPSK	135	69	16.45			17.3	0.0
100	P12 BPSK	135	138	16.33				
100	P12 BPSK	270	0	16.35			17.3	0.0
100	QPSK	1	1	15.63				
100	QPSK	1	137	16.48			17.3	0.0
100	QPSK	1	271	15.52				
100	QPSK	135	0	16.37				
100	QPSK	135	69	16.45			17.3	0.0
100	QPSK	135	138	16.30				
100	QPSK	270	0	16.38			17.3	0.0
100	16QAM	1	1	15.85			17.3	0.0
100	64QAM	1	1	15.82			17.3	0.0
100	256QAM	1	1	15.77			17.3	0.0
Channel				549658	600000	650332		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	15.71	15.62	15.73	17.3	0.0
Channel				645334	650000	655066		
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	15.76	15.71	15.63	17.3	0.0
Channel				648598	650000	651302		
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	15.74	15.77	15.79	17.3	0.0
Channel				648334	650000	651666		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	15.63	15.73	15.68	17.3	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.55	15.77	15.74	17.3	0.0
Channel				647698	650000	652302		
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	15.65	15.70	15.67	17.3	0.0
Channel				647334	650000	652666		
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	15.65	15.65	15.65	17.3	0.0

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RF [MHz]	Subcarrier	FE Size	FE Offset	FE Type	FE Rate	FE Rate	FE Rate	FE Rate	FE Rate
					1000000	1000000	1000000	1000000	1000000
30	Frequency (MHz)	20		10.00	17.00	17.00			
30	Frequency (MHz)	1	156	10.04	16.93	16.93	16.93	16.93	0.0
30	Frequency (MHz)	20		17.13	17.00	17.00			
30	Frequency (MHz)	156	0	16.99	16.92	16.92	16.92	16.92	0.0
30	Frequency (MHz)	1	156	16.95	16.87	16.87	16.87	16.87	0.0
30	Frequency (MHz)	156	156	16.83	16.71	16.71			0.0
30	Frequency (MHz)	20		16.75	16.60	16.60			
30	Frequency (MHz)	1	156	16.61	16.53	16.53	16.53	16.53	0.0
30	Frequency (MHz)	20		16.75	16.60	16.60			
30	Frequency (MHz)	1	156	16.57	16.49	16.49	16.49	16.49	0.0
30	Frequency (MHz)	20		16.61	16.46	16.46			
30	Frequency (MHz)	156	0	16.47	16.40	16.40	16.40	16.40	0.0
30	Frequency (MHz)	1	156	16.43	16.35	16.35	16.35	16.35	0.0
30	Frequency (MHz)	156	156	16.31	16.19	16.19			0.0
30	Frequency (MHz)	20		16.35	16.20	16.20			
30	Frequency (MHz)	1	156	16.21	16.13	16.13	16.13	16.13	0.0
30	Frequency (MHz)	20		16.25	16.10	16.10			
30	Frequency (MHz)	156	156	16.09	15.97	15.97			0.0
30	Frequency (MHz)	1	156	15.95	15.87	15.87	15.87	15.87	0.0
30	Frequency (MHz)	20		15.99	15.84	15.84			
30	Frequency (MHz)	156	156	15.83	15.71	15.71			0.0
30	Frequency (MHz)	1	156	15.79	15.71	15.71	15.71	15.71	0.0
30	Frequency (MHz)	20		15.83	15.68	15.68			
30	Frequency (MHz)	156	156	15.67	15.55	15.55			0.0
30	Frequency (MHz)	1	156	15.53	15.45	15.45	15.45	15.45	0.0
30	Frequency (MHz)	20		15.57	15.42	15.42			
30	Frequency (MHz)	156	156	15.41	15.29	15.29			0.0
30	Frequency (MHz)	1	156	15.37	15.29	15.29	15.29	15.29	0.0
30	Frequency (MHz)	20		15.41	15.26	15.26			
30	Frequency (MHz)	156	156	15.25	15.13	15.13			0.0
30	Frequency (MHz)	1	156	15.21	15.13	15.13	15.13	15.13	0.0
30	Frequency (MHz)	20		15.25	15.10	15.10			
30	Frequency (MHz)	156	156	15.09	14.97	14.97			0.0
30	Frequency (MHz)	1	156	14.95	14.87	14.87	14.87	14.87	0.0
30	Frequency (MHz)	20		14.99	14.84	14.84			
30	Frequency (MHz)	156	156	14.83	14.71	14.71			0.0
30	Frequency (MHz)	1	156	14.79	14.71	14.71	14.71	14.71	0.0
30	Frequency (MHz)	20		14.83	14.68	14.68			
30	Frequency (MHz)	156	156	14.67	14.55	14.55			0.0
30	Frequency (MHz)	1	156	14.63	14.55	14.55	14.55	14.55	0.0
30	Frequency (MHz)	20		14.67	14.52	14.52			

[illegible]

n7 Ant 3									
SW (MHz)	Modulation	RF Sigs	RF Chn	Time Start	Time End	Power Mdn	Power Avg	Time Gap (sec)	APR (%)
Channel									
Frequency (MHz)									
50	PSK (BPSK)	1	1	22.04	22.14	22.10	22.10		
50	PSK (BPSK)	1	126	22.20	22.44	22.31	22.31	23.7	0.1
50	PSK (BPSK)	1	94	22.22	22.41	22.30	22.30		
50	PSK (BPSK)	1	20	22.30	22.51	22.40	22.40	23.7	0.0
50	PSK (BPSK)	1	66	22.43	22.63	22.53	22.53	23.7	0.0
50	PSK (BPSK)	126	126	22.51	22.51	22.47	22.47		
50	QPSK	20	9	22.56	22.56	22.54	22.54		
50	QPSK			22.56	22.56	22.54	22.54		
50	QPSK	1	126	22.53	22.70	22.60	22.60	23.7	0.1
50	QPSK	20	9	22.58	22.58	22.56	22.56		
50	QPSK	126	126	22.43	22.51	22.37	22.37	23.7	0.0
50	QPSK	126	66	22.43	22.51	22.37	22.37	23.7	0.0
50	QPSK	126	126	22.42	22.46	22.34	22.34	23.7	0.0
50	QPSK	126	126	22.42	22.46	22.34	22.34	23.7	0.0
50	QPSK	126	126	22.38	22.58	22.37	22.37	23.7	0.0
50	QPSK	1	1	21.26	21.30	21.28	21.28	21.2	1.0
50	QPSK	1	1	21.30	21.30	21.28	21.28	21.2	1.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.00	20.00	20.00	20.00	Time Gap	APR
40	QPSK	1	1	20.00	20.00	20.00	20.00	Time Gap	APR
30	QPSK	1	1	22.04	22.10	22.06	22.06	23.7	0.0
30	QPSK	1	1	22.04	22.10	22.06	22.06	23.7	0.0
30	QPSK	1	1	22.12	22.12	22.10	22.10	23.7	0.0
20	QPSK	1	1	21.08	21.17	21.12	21.12	23.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.08	21.17	21.12	21.12	23.7	0.0
20	QPSK	1	1	21.08	21.17	21.12	21.12	23.7	0.0
10	QPSK	1	1	21.08	21.17	21.12	21.12	23.7	0.0
10	QPSK	1	1	21.08	21.17	21.12	21.12	23.7	0.0
5	QPSK	1	1	21.08	21.20	21.11	21.11	23.7	0.0

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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				2590.02	2595	2599.98		
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	20.07	20.10	20.13	21.5	0.0
40	PV2 BPSK	1	53	20.48	20.54	20.45		
40	PV2 BPSK	1	104	20.18	20.13	20.13		
40	PV2 BPSK	50	0	20.47	20.42	20.38	21.5	0.0
40	PV2 BPSK	50	28	20.51	20.54	20.41	21.5	0.0
40	PV2 BPSK	50	56	20.43	20.48	20.55	21.5	0.0
40	PV2 BPSK	100	0	20.38	20.47	20.46		
40	QPSK	1	1	20.11	20.07	20.02	21.5	0.0
40	QPSK	1	53	20.43	20.36	20.40		
40	QPSK	1	104	19.98	20.10	20.07		
40	QPSK	50	0	20.30	20.42	20.43	21.5	0.0
40	QPSK	50	28	20.46	20.55	20.50		
40	QPSK	50	56	20.33	20.45	20.43		
40	QPSK	100	0	20.43	20.59	20.44	21.5	0.0
40	16QAM	1	1	19.76	19.85	19.88	21.5	0.0
40	64QAM	1	1	19.93	19.86	19.75	21.5	0.0
40	256QAM	1	1	19.96	20.00	20.07	21.5	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
30	QPSK	1	1	20.00	19.96	20.03	21.5	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
20	QPSK	1	1	20.01	19.92	20.08	21.5	0.0

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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				2590.02	2595	2599.98		
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	16.07	16.03	16.04	17.9	0.0
40	PV2 BPSK	1	53	16.45	16.53	16.53		
40	PV2 BPSK	1	104	16.02	16.05	16.00		
40	PV2 BPSK	50	0	16.33	16.36	16.31	17.9	0.0
40	PV2 BPSK	50	28	16.50	16.53	16.42	17.9	0.0
40	PV2 BPSK	50	56	16.32	16.41	16.29	17.9	0.0
40	PV2 BPSK	100	0	16.43	16.45	16.53		
40	QPSK	1	1	15.97	16.00	15.97	17.9	0.0
40	QPSK	1	53	16.47	16.54	16.52		
40	QPSK	1	104	15.93	16.00	15.93		
40	QPSK	50	0	16.42	16.42	16.28	17.9	0.0
40	QPSK	50	28	16.49	16.50	16.45		
40	QPSK	50	56	16.26	16.38	16.29		
40	QPSK	100	0	16.30	16.30	16.32	17.9	0.0
40	16QAM	1	1	16.05	16.03	16.00	17.9	0.0
40	64QAM	1	1	16.08	16.02	16.07	17.9	0.0
40	256QAM	1	1	16.20	16.47	16.34	17.9	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
30	QPSK	1	1	16.13	16.08	16.02	17.9	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
20	QPSK	1	1	15.90	16.15	16.00	17.9	0.0

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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				2590.02	2595	2599.98		
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	15.20	15.26	15.25	17.2	0.0
40	PV2 BPSK	1	53	15.45	15.59	15.54		
40	PV2 BPSK	1	104	15.26	15.30	15.21		
40	PV2 BPSK	50	0	15.43	15.51	15.47	17.2	0.0
40	PV2 BPSK	50	28	15.54	15.60	15.46	17.2	0.0
40	PV2 BPSK	50	56	15.51	15.59	15.48	17.2	0.0
40	PV2 BPSK	100	0	15.46	15.49	15.44		
40	QPSK	1	1	15.23	15.27	15.23	17.2	0.0
40	QPSK	1	53	15.57	15.86	15.50		
40	QPSK	1	104	15.27	15.35	15.32		
40	QPSK	50	0	15.42	15.48	15.42	17.2	0.0
40	QPSK	50	28	15.53	15.85	15.54		
40	QPSK	50	56	15.46	15.80	15.48		
40	QPSK	100	0	15.46	15.81	15.47	17.2	0.0
40	16QAM	1	1	15.23	15.31	15.28	17.2	0.0
40	64QAM	1	1	15.25	15.30	15.25	17.2	0.0
40	256QAM	1	1	15.37	15.47	15.36	17.2	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
30	QPSK	1	1	15.24	15.28	15.28	17.2	0.0
Channel				2595.01	2595	2604.99		
Frequency (MHz)				2595.01	2595	2604.99		
20	QPSK	1	1	15.28	15.27	15.29	17.2	0.0

Part27Q_n78(HPUE)_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)				3499.98					
100	PV2 BPSK	1	1	17.41					
100	PV2 BPSK	1	137		18.14		19.4	0.0	
100	PV2 BPSK	1	271		17.51				
100	PV2 BPSK	135	0		18.10		19.4	0.0	
100	PV2 BPSK	135	69		18.17		19.4	0.0	
100	PV2 BPSK	135	138		18.09		19.4	0.0	
100	PV2 BPSK	270	0		18.10				
100	QPSK	1	1	17.58					
100	QPSK	1	137		18.42		19.4	0.0	
100	QPSK	1	271		17.40				
100	QPSK	135	0		17.98				
100	QPSK	135	69		18.41		19.4	0.0	
100	QPSK	135	138		17.85				
100	QPSK	270	0		18.38		19.4	0.0	
100	16QAM	1	1		17.97		19.4	0.0	
100	64QAM	1	1		17.93		18.4	0.0	
100	256QAM	1	1		17.89		19.4	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	17.65	17.54	17.47	19.4	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	17.73	17.41	17.53	19.4	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	17.88	17.43	17.61	19.4	0.0	
Channel				631098	633332	635550	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.58	17.53	17.59	19.4	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.60	17.54	17.64	19.4	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	17.78	17.42	17.44	19.4	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.75	17.44	17.52	19.4	0.0	

Part27Q_n78(HPUE)_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				633332					
Frequency (MHz)				3499.98					
100	PV2 BPSK	1	1	22.53			24.3	0.0	
100	PV2 BPSK	1	137	22.28					
100	PV2 BPSK	1	271	22.33					
100	PV2 BPSK	135	0	23.77			24.3	0.0	
100	PV2 BPSK	135	69	23.22			24.3	0.0	
100	PV2 BPSK	135	138	23.08			24.3	0.0	
100	PV2 BPSK	270	0	23.18					
100	QPSK	1	1	22.46					
100	QPSK	1	137	23.31			24.3	0.0	
100	QPSK	1	271	22.38					
100	QPSK	135	0	23.16					
100	QPSK	135	69	23.27			24.3	0.0	
100	QPSK	135	138	23.04					
100	QPSK	270	0	23.25					
100	16QAM	1	1	22.75			24.3	0.0	
100	64QAM	1	1	22.12			23.8	0.8	
100	256QAM	1	1	20.07			21.8	2.3	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
90	QPSK	1	1	22.63	22.48	22.61	24.3	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)	
80	QPSK	1	1	22.63	22.54	22.63	24.3	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499.98	3499.98	3500.99	(dBm)	(dB)	
60	QPSK	1	1	22.74	22.66	22.62	24.3	0.0	
Channel				631098	633332	635550	Tune-up limit	MPR	
Frequency (MHz)				3479.92	3499.98	3520	(dBm)	(dB)	
50	QPSK	1	1	22.87	22.78	22.71	24.3	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.21	3499.98	3529.88	(dBm)	(dB)	
40	QPSK	1	1	22.85	22.87	22.87	24.3	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3464	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	22.77	22.78	22.72	24.3	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	22.87	22.92	22.83	24.3	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW (MHz)	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)					
100	PV2 BPSK	1	1		22.22	3499.98			
100	PV2 BPSK	1	137		23.19		24.0	0.0	
100	PV2 BPSK	1	271		22.36				
100	PV2 BPSK	135	0		23.08		24.0	0.0	
100	PV2 BPSK	135	69		23.17		24.0	0.0	
100	PV2 BPSK	135	138		23.18		24.0	0.0	
100	PV2 BPSK	270	0		23.08				
100	QPSK	1	1		22.34				
100	QPSK	1	137		23.30		24.0	0.0	
100	QPSK	1	271		22.32				
100	QPSK	135	0		23.08				
100	QPSK	135	69		23.25		24.0	0.0	
100	QPSK	135	138		23.18				
100	QPSK	270	0		23.27		24.0	0.0	
100	16QAM	1	1		22.48		24.0	0.0	
100	64QAM	1	1		22.40		24.0	0.0	
100	256QAM	1	1		21.32		23.0	1.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	22.47	22.47	22.56	24.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3519			
80	QPSK	1	1	22.42	22.46	22.47	24.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	22.51	22.47	22.59	24.0	0.0	
Channel				631098	633332	635550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.92	3499.98	3525			
50	QPSK	1	1	22.54	22.60	22.59	24.0	0.0	
Channel				631134	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.11	3499.98	3529.88			
40	QPSK	1	1	22.25	22.33	22.45	24.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	22.79	22.83	23.01	24.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3544			
20	QPSK	1	1	22.99	23.05	23.04	24.0	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PV2 BPSK	1	1	22.45			24.3	0.0	
100	PV2 BPSK	1	137	23.50					
100	PV2 BPSK	1	271	22.50					
100	PV2 BPSK	135	0	23.37			24.3	0.0	
100	PV2 BPSK	135	69	23.35			24.3	0.0	
100	PV2 BPSK	135	138	23.27			24.3	0.0	
100	PV2 BPSK	270	0	23.34					
100	QPSK	1	1	22.56			24.3	0.0	
100	QPSK	1	137	23.53					
100	QPSK	1	271	22.54					
100	QPSK	135	0	22.45			24.3	0.0	
100	QPSK	135	69	23.48					
100	QPSK	135	138	22.76					
100	QPSK	270	0	23.07			23.9	0.5	
100	16QAM	1	1	22.48			23.8	0.5	
100	64QAM	1	1	20.96			22.9	2.0	
100	256QAM	1	1	18.83			20.2	4.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
90	QPSK	1	1	22.71	22.80	22.77	24.3	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)	
80	QPSK	1	1	22.82	22.83	22.83	24.3	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
60	QPSK	1	1	23.01	23.07	22.96	24.3	0.0	
Channel				631098	633332	635550	Tune-up limit	MPR	
Frequency (MHz)				3475.92	3499.98	3523	(dBm)	(dB)	
50	QPSK	1	1	23.22	23.26	23.18	24.3	0.0	
Channel				631134	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.11	3499.98	3529.88	(dBm)	(dB)	
40	QPSK	1	1	22.82	22.86	22.91	24.3	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3466	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	23.13	23.18	23.12	24.3	0.0	
Channel				630666	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.33	23.26	23.27	24.3	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P12 BPSK	1	1		19.42		21.3		
100	P12 BPSK	1	137		20.33			0.0	
100	P12 BPSK	1	271		19.43				
100	P12 BPSK	135	0		20.17		21.3	0.0	
100	P12 BPSK	135	69		20.31		21.3	0.0	
100	P12 BPSK	135	138		20.04		21.3	0.0	
100	P12 BPSK	270	0		20.08				
100	QPSK	1	1		19.45				
100	QPSK	1	137		20.42		21.3	0.0	
100	QPSK	1	271		19.47				
100	QPSK	135	0		20.12				
100	QPSK	135	69		20.32		21.3	0.0	
100	QPSK	135	138		20.02				
100	QPSK	270	0		20.15		21.3	0.0	
100	16QAM	1	1		19.17		20.8	0.5	
100	64QAM	1	1		19.19		20.8	0.5	
100	256QAM	1	1		18.93		20.3	1.0	
Channel				649608	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1		19.54	19.50	21.3	0.0	
Channel				649334	650000	650766	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		19.81	19.81	21.3	0.0	
Channel				648598	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		19.94	19.95	21.3	0.0	
Channel				648334	650000	651996	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		20.05	20.01	20.08	21.3	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.91	19.76	19.90	21.3	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		20.00	20.02	20.00	21.3	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		20.12	20.07	20.08	21.3	0.0

Part27O_n78(HPUE)_Ant 6									
BW [MHz]	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)				3750					
100	P12 BPSK	1	1		22.39				
100	P12 BPSK	1	137		23.17		24.3	0.0	
100	P12 BPSK	1	271		22.31				
100	P12 BPSK	135	0		23.08		24.3	0.0	
100	P12 BPSK	135	69		23.12		24.3	0.0	
100	P12 BPSK	135	138		22.97		24.3	0.0	
100	P12 BPSK	270	0		23.01				
100	QPSK	1	1		22.33				
100	QPSK	1	137		23.32		24.3	0.0	
100	QPSK	1	271		22.38				
100	QPSK	135	0		22.95				
100	QPSK	135	69		23.25		24.3	0.0	
100	QPSK	135	138		22.47				
100	QPSK	270	0		23.05		23.8	0.5	
100	16QAM	1	1		21.98		23.5	0.5	
100	64QAM	1	1		20.42		22.3	2.0	
100	256QAM	1	1		18.95		20.3	4.0	
Channel				649606	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1		22.51	22.55	22.52	24.3	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1		22.84	22.88	22.68	24.3	0.0
Channel				648598	650000	651232	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1		22.73	22.72	22.80	24.3	0.0
Channel				648334	650000	651996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1		22.84	22.90	23.00	24.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.58	22.55	22.62	24.3	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.00	3750	3784.98			
30	QPSK	1	1		22.75	22.85	22.90	24.3	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1		22.97	22.96	23.07	24.3	0.0

[illegible]

n66 Ant 1									
Site (lat/lon)	Measurement	File Size	File Count	Power Level (dBm)	Power Level (mW)	Power Level (dBm)	Power Level (mW)	Time of day (hh:mm)	MIPS (ops)
	Overall		1750						
40	SPK1	1	1	18.21	18.21	18.21			
40	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
40	SPK1	1	246	18.21	18.21	18.21			
40	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
40	SPK1	100	54	15.42	15.42	15.46	20.1	0.2	
40	SPK1	100	100	15.46	15.50	15.50	20.4	0.1	
40	SPK1	100	100	15.46	15.50	15.50	20.4	0.1	
40	SPK1	1	1	18.75	18.75	18.75			
40	SPK1	1	86	18.75	18.75	18.75	20.4	0.1	
40	SPK1	1	246	18.75	18.75	18.75			
40	SPK1	1	86	18.75	18.75	18.75	20.4	0.1	
40	SPK1	100	54	15.42	15.44	15.44	20.1	0.2	
40	SPK1	100	100	15.42	15.46	15.46	20.4	0.1	
40	SPK1	246	100	15.52	15.52	15.50	20.1	0.2	
40	SPK1	1	1	18.88	18.83	18.83	20.1	0.2	
40	SPK1	1	86	18.88	18.83	18.83	20.1	0.2	
40	SPK1	1	246	18.88	18.83	18.83	20.1	0.2	
40	SPK1	1	86	18.87	18.74	18.69	20.1	0.2	
40	SPK1	1	1	18.75	18.75	18.75			
40	SPK1	1	86	18.75	18.75	18.75	20.4	0.1	
30	SPK1	1	1	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21	18.21	20.4	0.1	
30	SPK1	1	246	18.21	18.21	18.21			
30	SPK1	1	86	18.21	18.21				

n66_Ant 2									
ant type	substation	NS Date	NS Code	Power Class (W)	Power Class (V/Freq)	Power Class (V/Freq)	Power Class (V/Freq)	Power Class (V/Freq)	Power Class (V/Freq)
				Ch. 1 Power Wattage	Ch. 2 Power Wattage	Ch. 3 Power Wattage	Ch. 4 Power Wattage	Ch. 5 Power Wattage	Power Wattage
40	PR2 BPSM 1	1	NA	23.00	23.15	23.15	23.23		
40	Frequency (Hz)			23.00	23.15	23.15	23.23		
40	PR2 BPSM 1	1	216	23.17	23.18	23.20	24.0		0.5
40	Frequency (Hz)			23.17	23.18	23.20	24.0		0.5
40	PR2 BPSM 1	1	NA	23.19	23.20	23.21	24.0		0.5
40	Frequency (Hz)			23.19	23.20	23.21	24.0		0.5
40	PR2 BPSM 1	1	NA	23.20	23.20	23.21	24.0		0.5
40	Frequency (Hz)			23.20	23.21	23.22	24.0		0.5
40	PR2 BPSM 1	1	216	23.23	23.18	23.23	24.0		0.5
40	Frequency (Hz)			23.23	23.18	23.23	24.0		0.5
40	PR2 BPSM 1	1	NA	23.25	23.20	23.25	24.1		0.5
40	Frequency (Hz)			23.25	23.20	23.25	24.1		0.5
40	PR2 BPSM 1	1	NA	23.27	23.24	23.27	24.1		0.5
40	Frequency (Hz)			23.27	23.24	23.27	24.1		0.5
40	PR2 BPSM 1	1	NA	23.11	23.24	23.11	24.1		0.5
40	Frequency (Hz)			23.11	23.24	23.11	24.1		0.5
40	PR2 BPSM 1	1	NA	19.30	19.32	19.36	20.0		0.5
40	Frequency (Hz)			19.30	19.32	19.36	20.0		0.5
35	PR2 BPSM 1	1	NA	23.00	23.14	23.07	23.07		0.5
35	Frequency (Hz)			23.00	23.14	23.07	23.07		0.5
35	PR2 BPSM 1	1	NA	23.00	23.14	23.07	23.07		0.5
35	Frequency (Hz)			23.00	23.14	23.07	23.07		0.5
15	PR2 BPSM 1	1	NA	23.00	23.06	23.06	24.0		0.5
15	Frequency (Hz)			23.00	23.06	23.06	24.0		0.5
15	PR2 BPSM 1	1	NA	23.00	23.06	23.06	24.0		0.5
15	Frequency (Hz)			23.00	23.06	23.06	24.0		0.5
3	PR2 BPSM 1	1	NA	23.00	23.13	23.09	24.0		0.5
3	Frequency (Hz)			23.00	23.13	23.09	24.0		0.5

n38_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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	21.93	22.03	21.91	23.5	0.0	
40	PI2 BPSK	1	53	22.43	22.52	22.42			
40	PI2 BPSK	1	104	22.01	22.09	21.98			
40	PI2 BPSK	50	0	22.23	22.36	22.30	23.5	0.0	
40	PI2 BPSK	50	28	22.44	22.55	22.43	23.5	0.0	
40	PI2 BPSK	50	56	22.25	22.36	22.27	23.5	0.0	
40	PI2 BPSK	100	0	22.37	22.46	22.33			
40	QPSK	1	1	21.94	22.04	22.02			
40	QPSK	1	53	22.51	22.56	22.50	23.5	0.0	
40	QPSK	1	104	21.97	22.07	22.01	23.5	0.0	
40	QPSK	50	0	22.34	22.36	22.26			
40	QPSK	50	28	22.48	22.55	22.51			
40	QPSK	50	56	22.34	22.42	22.35	23.5	0.0	
40	QPSK	100	0	22.39	22.51	22.33			
40	QPSK	1	1	21.86	21.77	21.85	23.5	0.0	
40	16QAM	1	1	21.36	21.39	21.31	23.0	0.5	
40	256QAM	1	1	19.89	19.93	19.84	21.0	2.5	
Channel				518004	518000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.89	21.98	21.87	23.5	0.0	
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.87	21.95	21.81	23.5	0.0	

n38_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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.07	22.09	22.07	21.9	0.0	
40	PI2 BPSK	1	53	20.44	20.54	20.44			
40	PI2 BPSK	1	104	20.03	20.08	20.00			
40	PI2 BPSK	50	0	20.39	20.48	20.38	21.9	0.0	
40	PI2 BPSK	50	28	20.45	20.53	20.43	21.9	0.0	
40	PI2 BPSK	50	56	20.40	20.44	20.37	21.9	0.0	
40	PI2 BPSK	100	0	20.41	20.46	20.36			
40	QPSK	1	1	20.13	20.15	20.06			
40	QPSK	1	53	20.50	20.56	20.52	21.9	0.0	
40	QPSK	1	104	19.99	20.04	19.94	21.9	0.0	
40	QPSK	50	0	20.36	20.45	20.38			
40	QPSK	50	28	20.51	20.52	20.50			
40	QPSK	50	56	20.41	20.41	20.40	21.9	0.0	
40	QPSK	100	0	20.47	20.49	20.41			
40	QPSK	1	1	19.95	20.04	19.94	21.9	0.0	
40	16QAM	1	1	19.95	20.04	19.94	21.9	0.0	
40	64QAM	1	1	20.03	20.05	19.97	21.9	0.0	
40	256QAM	1	1	19.02	19.03	19.00	20.4	1.5	
Channel				518004	518000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.99	20.01	20.07	21.9	0.0	
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.06	20.08	19.98	21.9	0.0	

n38_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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	20.24	20.26	20.25	22.2	0.0	
40	PI2 BPSK	1	53	20.31	20.41	20.33			
40	PI2 BPSK	1	104	20.23	20.22	20.21			
40	PI2 BPSK	50	0	20.26	20.27	20.21	22.2	0.0	
40	PI2 BPSK	50	28	20.39	20.42	20.42	22.2	0.0	
40	PI2 BPSK	50	56	20.27	20.36	20.29	22.2	0.0	
40	PI2 BPSK	100	0	20.26	20.34	20.27			
40	QPSK	1	1	20.24	20.25	20.22			
40	QPSK	1	53	20.25	20.47	20.38	22.2	0.0	
40	QPSK	1	104	20.21	20.24	20.25	22.2	0.0	
40	QPSK	50	0	20.23	20.34	20.22			
40	QPSK	50	28	20.35	20.45	20.44			
40	QPSK	50	56	20.34	20.34	20.30	22.2	0.0	
40	QPSK	100	0	20.30	20.53	20.23			
40	QPSK	1	1	20.23	20.23	20.21	22.2	0.0	
40	16QAM	1	1	20.25	20.24	20.25	22.2	0.0	
40	256QAM	1	1	19.21	19.31	19.31	21.2	1.0	
Channel				518004	518000	519996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.24	20.23	20.21	22.2	0.0	
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.25	20.26	20.23	22.2	0.0	

n38_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 518004	Power Middle Ch. Freq. 519000	Power High Ch. Freq. 519996	Tune-up limit (dBm)	MPR (dB)	
Channel				2590.02	2595	2599.98			
40	PQ2 BPSK	1	1	22.52	22.55	22.58			
40	PQ2 BPSK	1	53	23.21	23.20	23.12	24.1	0.0	
40	PQ2 BPSK	1	104	22.83	22.80	22.67			
40	PQ2 BPSK	50	0	22.79	22.82	22.79	24.1	0.0	
40	PQ2 BPSK	50	28	23.02	23.05	23.05	24.1	0.0	
40	PQ2 BPSK	50	56	22.91	22.98	22.98			
40	PQ2 BPSK	100	0	22.83	22.89	22.84	24.1	0.0	
40	QPSK	1	1	22.43	22.52	22.56			
40	QPSK	1	53	23.00	23.21	23.09	24.1	0.0	
40	QPSK	1	104	22.70	22.68	22.67			
40	QPSK	50	0	22.28	22.28	22.32			
40	QPSK	50	28	22.50	23.15	23.02	24.1	0.0	
40	QPSK	50	56	22.26	22.34	22.38			
40	QPSK	100	0	22.43	22.57	22.54	23.6	0.5	
40	16QAM	1	1	21.85	21.70	21.73	23.8	0.5	
40	64QAM	1	1	20.24	20.30	20.33	22.1	2.0	
40	256QAM	1	1	18.83	18.52	18.85	20.1	4.0	
Channel				117.00	115.00	120.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2585	2584.99			
30	QPSK	1	1	22.44	22.53	22.53	24.1	0.0	
Channel				1150.03	1150.00	122.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	1	22.46	22.51	22.43	24.1	0.0	

n41_FCC_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 509902	Power Middle Ch. Freq. 518008	Power High Ch. Freq. 526000	Tune-up limit (dBm)	MPR (dB)	
Channel				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	22.17	22.19	22.22			
100	PQ2 BPSK	1	137	23.10	23.14	23.07	24.0	0.0	
100	PQ2 BPSK	1	271	22.25	22.34	22.34			
100	PQ2 BPSK	135	0	22.94	22.93	22.89	24.0	0.0	
100	PQ2 BPSK	135	69	23.22	23.34	23.15	24.0	0.0	
100	PQ2 BPSK	135	138	22.97	22.96	22.90			
100	PQ2 BPSK	270	0	23.00	22.87	22.80	24.0	0.0	
100	QPSK	1	1	22.25	22.25	22.11			
100	QPSK	1	137	23.32	23.25	23.24	24.0	0.0	
100	QPSK	1	271	22.16	22.30	22.34			
100	QPSK	135	0	22.95	22.91	22.89			
100	QPSK	135	69	23.10	23.22	23.20	24.0	0.0	
100	QPSK	135	138	22.84	22.96	22.83			
100	QPSK	270	0	22.84	22.95	22.87	24.0	0.0	
100	16QAM	1	1	22.05	22.00	22.03	24.0	0.5	
100	64QAM	1	1	21.01	21.03	21.06	23.0	1.0	
100	256QAM	1	1	19.44	19.53	19.50	21.0	3.0	
Channel				502500	511500	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.05	22.18	22.16	24.0	0.0	
Channel				507201	511500	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	22.11	22.15	22.12	24.0	0.0	
Channel				505200	518008	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.99	2592.99	2659.98			
60	QPSK	1	1	22.16	22.12	22.20	24.0	0.0	
Channel				504204	518008	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	22.15	22.08	22.20	24.0	0.0	
Channel				503202	518008	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	22.09	22.12	22.15	24.0	0.0	
Channel				502200	518008	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.99			
30	QPSK	1	1	22.14	22.15	22.14	24.0	0.0	
Channel				501204	518008	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2608.02	2592.99	2679.99			
20	QPSK	1	1	22.05	22.14	22.21	24.0	0.0	

n41_FCC_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 506002	Power Middle Ch. Freq. 518008	Power High Ch. Freq. 526000	Tune-up limit (dBm)	MPR (dB)	
Channel				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	19.92	19.95	19.93			
100	PQ2 BPSK	1	137	20.43	20.49	20.42	21.9	0.0	
100	PQ2 BPSK	1	271	19.96	19.98	19.92			
100	PQ2 BPSK	135	0	20.45	20.45	20.42	21.9	0.0	
100	PQ2 BPSK	135	69	20.47	20.56	20.55	21.9	0.0	
100	PQ2 BPSK	135	138	20.29	20.36	20.28			
100	PQ2 BPSK	270	0	20.36	20.38	20.37	21.9	0.0	
100	QPSK	1	1	19.94	19.95	19.95			
100	QPSK	1	137	20.57	20.55	20.57	21.9	0.0	
100	QPSK	1	271	19.93	19.94	19.92			
100	QPSK	135	0	20.36	20.44	20.37			
100	QPSK	135	69	20.54	20.55	20.43	21.9	0.0	
100	QPSK	135	138	20.28	20.28	20.27			
100	QPSK	270	0	20.23	20.33	20.32	21.9	0.0	
100	16QAM	1	1	19.88	19.93	19.92	21.9	0.0	
100	64QAM	1	1	19.95	19.96	19.96	21.9	0.0	
100	256QAM	1	1	18.61	18.67	18.62	20.4	1.3	
Channel				502500	511500	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.93	19.94	19.92	21.9	0.0	
Channel				517204	511500	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	19.99	19.94	19.97	21.9	0.0	
Channel				505200	518008	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.99	2592.99	2659.98			
60	QPSK	1	1	19.98	19.93	19.91	21.9	0.0	
Channel				504204	518008	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	19.91	19.95	19.90	21.9	0.0	
Channel				503202	518008	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	19.98	19.95	19.99	21.9	0.0	
Channel				502200	518008	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.99			
30	QPSK	1	1	19.97	19.95	19.91	21.9	0.0	
Channel				501204	518008	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2608.02	2592.99	2679.99			
20	QPSK	1	1	19.90	19.91	19.92	21.9	0.0	

n41_FCC_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				2548.01	2552.99	2560			
Frequency (MHz)									
100	PQ2 BPSK	1	1	20.28	20.25	20.21			
100	PQ2 BPSK	1	137	20.26	20.63	20.52	22.2		0.0
100	PQ2 BPSK	1	271	20.26	20.28	20.29			
100	PQ2 BPSK	135	0	20.43	20.40	20.44	22.2	0.0	
100	PQ2 BPSK	135	69	20.46	20.53	20.43	22.2		
100	PQ2 BPSK	135	138	20.40	20.45	20.41	22.2	0.0	
100	PQ2 BPSK	270	0	20.44	20.42	20.43			
100	QPSK	1	1	20.21	20.22	20.20			
100	QPSK	1	137	20.25	20.64	20.63	22.2	0.0	
100	QPSK	1	271	20.28	20.23	20.23			
100	QPSK	135	0	20.26	20.51	20.30			
100	QPSK	135	69	20.61	20.63	20.62	22.2	0.0	
100	QPSK	135	138	20.52	20.52	20.53			
100	QPSK	270	0	20.50	20.61	20.51	22.2	0.0	
100	16QAM	1	1	20.28	20.25	20.20	22.2	0.0	
100	64QAM	1	1	20.29	20.37	20.29	22.2	0.0	
100	256QAM	1	1	19.23	19.36	19.34	21.2	1.0	
Channel				2541	2552.99	2564.98			
90	QPSK	1	1	20.38	20.41	20.43	22.2	0.0	
Channel				2572.02	2575.02	2578.02			
Frequency (MHz)				2536.02	2552.99	2568.99			
80	QPSK	1	1	20.42	20.41	20.40	22.2	0.0	
Channel				3026.00	3189.98	3319.96			
Frequency (MHz)				2926	2952.99	2958.98			
60	QPSK	1	1	20.38	20.48	20.42	22.2	0.0	
Channel				3042.04	3189.98	3329.96			
Frequency (MHz)				3021.02	2952.99	2964.99			
30	QPSK	1	1	20.43	20.46	20.44	22.2	0.0	
Channel				3032.02	3189.98	3340.00			
Frequency (MHz)				2916.01	2952.99	2970			
40	QPSK	1	1	20.38	20.44	20.40	22.2	0.0	
Channel				3022.00	3189.98	3349.96			
Frequency (MHz)				2911	2952.99	2974.09			
30	QPSK	1	1	20.36	20.44	20.45	22.2	0.0	
Channel				3012.04	3189.98	3359.96			
Frequency (MHz)				2908.02	2952.99	2978.09			
20	QPSK	1	1	20.41	20.47	20.39	22.2	0.0	

n41_FCC_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				590002	590002	590000			
Frequency (MHz)				2546.01	2552.99	2560			
100	PQ2 BPSK	1	1	22.67	22.65	22.63			
100	PQ2 BPSK	1	137	23.42	23.45	23.42	24.6	0.0	
100	PQ2 BPSK	1	271	22.66	22.78	22.66			
100	PQ2 BPSK	135	0	22.67	22.73	22.66	24.1	0.0	
100	PQ2 BPSK	135	69	23.38	23.48	23.33	24.6	0.0	
100	PQ2 BPSK	135	138	22.59	22.71	22.68			
100	PQ2 BPSK	270	0	22.59	22.75	22.61	24.1	0.0	
100	QPSK	1	1	22.62	22.61	22.66			
100	QPSK	1	137	23.31	23.57	23.32	24.6	0.0	
100	QPSK	1	271	22.61	22.72	22.61			
100	QPSK	135	0	22.32	22.38	22.23			
100	QPSK	135	69	23.26	23.53	23.20	24.6	0.0	
100	QPSK	135	138	22.33	22.48	22.43			
100	QPSK	270	0	22.23	22.49	22.16	23.6	1.0	
100	16QAM	1	1	21.69	21.82	21.61	23.6	1.0	
100	64QAM	1	1	20.17	20.15	20.10	22.1	2.5	
100	256QAM	1	1	18.25	18.40	18.23	20.1	4.5	
Channel				560020	518058	538095			
Frequency (MHz)				2524	2552.99	2544.98			
90	QPSK	1	1	23.24	23.52	23.19	24.6	0.0	
Channel				50201	505998	505998			
Frequency (MHz)				2536.02	2552.99	2549.99			
80	QPSK	1	1	23.24	23.54	23.20	24.6	0.0	
Channel				505009	518058	531995			
Frequency (MHz)				2526	2552.99	2559.98			
60	QPSK	1	1	23.23	23.53	23.25	24.6	0.0	
Channel				501020	518058	532000			
Frequency (MHz)				2521.02	2552.99	2564.99			
50	QPSK	1	1	23.24	23.40	23.25	24.6	0.0	
Channel				502020	518058	532000			
Frequency (MHz)				2516.01	2552.99	2570			
40	QPSK	1	1	23.14	23.53	23.26	24.6	0.0	
Channel				502200	518058	534996			
Frequency (MHz)				2511	2552.99	2574.09			
30	QPSK	1	1	23.23	23.50	23.22	24.6	0.0	
Channel				501204	518058	535996			
Frequency (MHz)				2508.02	2552.99	2578.09			
20	QPSK	1	1	23.23	23.45	23.23	24.6	0.0	

Part27Q_n78_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)				3459.98					
100	PQ2 BPSK	1	1	18.97					
100	PQ2 BPSK	1	137	19.55			20.4	0.0	
100	PQ2 BPSK	1	271	18.75					
100	PQ2 BPSK	135	0	19.54			20.4	0.0	
100	PQ2 BPSK	135	69	19.65			20.4	0.0	
100	PQ2 BPSK	135	138	19.36			20.4	0.0	
100	PQ2 BPSK	270	0	19.46					
100	QPSK	1	1	18.98					
100	QPSK	1	137	19.61			20.4	0.0	
100	QPSK	1	271	18.65					
100	QPSK	135	0	19.51					
100	QPSK	135	69	19.59			20.4	0.0	
100	QPSK	135	138	19.35					
100	QPSK	270	0	19.42			20.4	0.0	
100	16QAM	1	1	18.76			20.4	0.0	
100	64QAM	1	1	18.85			25.4	0.0	
100	256QAM	1	1	19.38			20.4	0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3459	3459.98	3504.99	20.4	0.0	
90	QPSK	1	1	18.92	18.91	18.95	20.4	0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3459.02	3459.98	3510	20.4	0.0	
80	QPSK	1	1	18.82	18.91	18.93	20.4	0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3459.02	3459.98	3510.99	20.4	0.0	
60	QPSK	1	1	18.91	18.87	18.92	25.4	0.0	
Channel				6310.00	6333.32	6359.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3459.98	3529.98	20.4	0.0	
30	QPSK	1	1	18.82	18.91	18.85	20.4	0.0	
Channel				6313.04	6333.32	6353.32	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3459.98	3529.98	20.4	0.0	
40	QPSK	1	1	18.89	18.81	18.88	20.4	0.0	
Channel				6310.00	6333.32	6359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3459.98	3534.99	20.4	0.0	
30	QPSK	1	1	18.86	18.85	18.89	20.4	0.0	
Channel				6306.08	6333.32	6360.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3459.98	3540	20.4	0.0	
20	QPSK	1	1	18.89	18.85	18.94	20.4	0.0	

Part27Q_n78(HPUE)_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				633332		3499.98	23.4	0.0
Frequency (MHz)				21.67				
100	PV2 BPSK	1	1			22.48		
100	PV2 BPSK	1	137			21.41		
100	PV2 BPSK	1	271			22.37	23.4	0.0
100	PV2 BPSK	135	0			22.48		
100	PV2 BPSK	135	69			22.20	23.4	0.0
100	PV2 BPSK	135	138			22.23		
100	PV2 BPSK	270	0			21.57	23.4	0.0
100	QPSK	1	1			22.48		
100	QPSK	1	137			21.41		
100	QPSK	1	271			22.36		
100	QPSK	135	0			22.48	23.4	0.0
100	QPSK	135	69			22.23		
100	QPSK	135	138			22.48	23.4	0.0
100	QPSK	270	0			21.89		
100	16QAM	1	1			21.85	23.4	0.0
100	16QAM	1	1			21.70		
100	256QAM	1	1			633300	633352	633366
Channel				633300	633352	633366	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)
90	QPSK	1	1	21.55	21.60	21.61	23.4	0.0
Channel				632466	633332	634100	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	21.50	21.51	21.54	23.4	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)
60	QPSK	1	1	21.49	21.50	21.58	23.4	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3474.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	21.52	21.58	21.57	23.4	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3538.98	(dBm)	(dB)
40	QPSK	1	1	21.52	21.59	21.58	23.4	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3468	3499.98	3544.98	(dBm)	(dB)
30	QPSK	1	1	21.51	21.50	21.61	23.4	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3463.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	21.49	21.59	21.56	23.4	0.0

Part270_n78_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P12 BPSK	1	1	19.24			
100	P12 BPSK	1	137	19.41			20.4
100	P12 BPSK	1	271	18.65			0.0
100	P12 BPSK	135	0	19.26			0.0
100	P12 BPSK	135	69	19.47			20.4
100	P12 BPSK	135	138	19.32			0.0
100	P12 BPSK	270	0	19.28			0.0
100	QPSK	1	1	18.60			
100	QPSK	1	137	19.48			20.4
100	QPSK	1	271	18.63			0.0
100	QPSK	135	0	19.18			
100	QPSK	135	69	19.39			20.4
100	QPSK	135	138	19.23			0.0
100	QPSK	270	0	19.21			0.0
100	16QAM	1	1	18.64			20.4
100	64QAM	1	1	18.40			0.0
100	256QAM	1	1	18.60			0.0
Channel				649658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	19.29	19.33	19.31	20.4
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	19.23	19.25	19.26	20.4
Channel				648998	650000	651002	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	19.23	19.29	19.24	20.4
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	19.28	19.23	19.29	20.4
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	19.20	19.25	19.28	20.4
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	19.28	19.25	19.29	20.4
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3790.99	
20	QPSK	1	1	19.25	19.33	19.29	20.4

Part270_n78(HPUE)_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P12 BPSK	1	1	21.40			
100	P12 BPSK	1	137	22.30			23.4
100	P12 BPSK	1	271	21.47			0.0
100	P12 BPSK	135	0	22.11			23.4
100	P12 BPSK	135	69	22.32			23.4
100	P12 BPSK	135	138	22.12			0.0
100	P12 BPSK	270	0	22.14			0.0
100	QPSK	1	1	21.40			
100	QPSK	1	137	22.39			23.4
100	QPSK	1	271	21.42			0.0
100	QPSK	135	0	22.38			23.4
100	QPSK	135	69	22.39			0.0
100	QPSK	135	138	22.59			
100	QPSK	270	0	22.16			23.4
100	16QAM	1	1	21.48			23.4
100	64QAM	1	1	21.40			23.4
100	256QAM	1	1	21.42			0.0
Channel				649658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	21.45	21.46	21.43	23.4
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	21.40	21.45	21.43	23.4
Channel				648998	650000	651002	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	21.40	21.49	21.43	23.4
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	1	21.41	21.42	21.45	23.4
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.47	21.41	21.43	23.4
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	1	21.43	21.43	21.47	23.4
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3790.99	
20	QPSK	1	1	21.41	21.46	21.44	23.4

Part270_n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3699.98			
100	P12 BPSK	1	1	21.50			
100	P12 BPSK	1	137	22.33			23.3
100	P12 BPSK	1	271	21.31			0.0
100	P12 BPSK	135	0	22.31			23.3
100	P12 BPSK	135	69	22.30			23.3
100	P12 BPSK	135	138	22.15			0.0
100	P12 BPSK	270	0	22.17			0.0
100	QPSK	1	1	21.60			
100	QPSK	1	137	22.30			23.3
100	QPSK	1	271	21.34			0.0
100	QPSK	135	0	22.36			23.3
100	QPSK	135	69	22.32			0.0
100	QPSK	135	138	22.59			
100	QPSK	270	0	22.29			22.5
100	16QAM	1	1	21.44			22.5
100	64QAM	1	1	21.40			22.5
100	256QAM	1	1	20.42			21.5
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	21.54	21.55	21.57	23.3
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3500	
80	QPSK	1	1	21.68	21.70	21.76	23.3
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	21.84	21.89	21.89	23.3
Channel				631668	633332	635000	
Frequency (MHz)				3470.01	3499.98	3529.98	
50	QPSK	1	1	21.99	21.96	21.60	23.3
Channel				631334	633332	635332	
Frequency (MHz)				3460.01	3499.98	3540	
40	QPSK	1	1	21.77	21.72	21.71	23.3
Channel				631000	633332	635666	
Frequency (MHz)				3450	3499.98	3554.99	
30	QPSK	1	1	21.95	21.91	21.85	23.3
Channel				630668	633332	636000	
Frequency (MHz)				3440.02	3499.98	3560	
20	QPSK	1	1	22.09	22.06	21.97	23.3

Part27Q_n78(HPUE)_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				633332					
Frequency (MHz)				3499.98					
100	PV2 BPSK	1	1		24.32		26.3	0.0	
100	PV2 BPSK	1	137		25.28				
100	PV2 BPSK	1	271		24.34				
100	PV2 BPSK	135	0		24.79		25.8	0.0	
100	PV2 BPSK	135	69		25.12		26.3	0.0	
100	PV2 BPSK	135	138		24.64		25.8	0.5	
100	PV2 BPSK	270	0		24.74				
100	QPSK	1	1		24.63				
100	QPSK	1	137		25.32		26.3	0.0	
100	QPSK	1	271		24.30				
100	QPSK	135	0		24.31				
100	QPSK	135	69		25.30		26.3	0.0	
100	QPSK	135	138		24.32				
100	QPSK	270	0		24.27		25.3	1.0	
100	16QAM	1	1		23.74		25.3	1.0	
100	64QAM	1	1		22.36		25.8	2.5	
100	256QAM	1	1		20.24		21.8	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	24.53	24.45	24.44	26.3	0.0	
Channel				632600	633332	634064	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3519			
80	QPSK	1	1	24.65	24.63	24.62	26.3	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	24.79	24.72	24.79	26.3	0.0	
Channel				631008	633332	635550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.92	3499.98	3525			
50	QPSK	1	1	24.87	24.84	24.81	26.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.61	3499.98	3529.88			
40	QPSK	1	1	24.64	24.62	24.61	26.3	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462	3499.98	3534.99			
30	QPSK	1	1	24.86	24.81	24.79	26.3	0.0	
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3542			
20	QPSK	1	1	24.97	24.94	24.92	26.3	0.0	

Part270_n78_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)				3750					
100	P12 BPSK	1	1	21.52					
100	P12 BPSK	1	137	21.54			23.3	0.0	
100	P12 BPSK	1	271	21.50					
100	P12 BPSK	135	0	21.66			23.3	0.0	
100	P12 BPSK	135	69	21.50			23.3	0.0	
100	P12 BPSK	135	138	21.62					
100	P12 BPSK	270	0	21.71			23.3	0.0	
100	QPSK	1	1	21.01					
100	QPSK	1	137	21.97			23.3	0.0	
100	QPSK	1	271	21.03					
100	QPSK	135	0	21.67					
100	QPSK	135	69	21.54			23.3	0.0	
100	QPSK	135	138	21.75					
100	QPSK	270	0	21.75			22.6	0.5	
100	16QAM	1	1	20.62			22.3	1.0	
100	64QAM	1	1	20.64			22.3	1.0	
100	256QAM	1	1	19.73			21.8	1.5	
Channel				649658	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.04	21.00	21.02	23.3	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.01	21.06	21.04	23.3	0.0	
Channel				648998	650000	651002			
Frequency (MHz)				3735.02	3750	3765.98			
60	QPSK	1	1	21.39	21.41	21.44	23.3	0.0	
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.44	21.41	21.46	23.3	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.31	21.32	21.34	23.3	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	21.47	21.45	21.46	23.3	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	21.68	21.62	21.67	23.3	0.0	

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BW [MHz]	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)				3750					
100	P12 BPSK	1	1	24.03					
100	P12 BPSK	1	137	24.03			26.3	0.0	
100	P12 BPSK	1	271	24.03					
100	P12 BPSK	135	0	24.16			26.6	0.5	
100	P12 BPSK	135	69	24.06			26.3	0.0	
100	P12 BPSK	135	138	24.22					
100	P12 BPSK	270	0	24.24			25.8	0.5	
100	QPSK	1	1	24.03					
100	QPSK	1	137	25.00			26.3	0.0	
100	QPSK	1	271	24.05					
100	QPSK	135	0	24.01					
100	QPSK	135	69	24.97			26.3	0.0	
100	QPSK	135	138	24.03					
100	QPSK	270	0	23.76			26.3	1.0	
100	16QAM	1	1	23.15			25.3	1.0	
100	64QAM	1	1	21.60			23.8	2.5	
100	256QAM	1	1	19.61			21.6	4.5	
Channel				649658	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.12	24.15	24.05	26.3	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.21	24.31	24.32	26.3	0.0	
Channel				648998	650000	651002			
Frequency (MHz)				3735.02	3750	3765.98			
60	QPSK	1	1	24.51	24.54	24.56	26.3	0.0	
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3774.98			
50	QPSK	1	1	24.61	24.62	24.60	26.3	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.20	24.32	24.28	26.3	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.55	24.57	24.56	26.3	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.74	24.75	24.72	26.3	0.0	

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BW [MHz]	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)				3499.98					
100	P12 BPSK	1	1	21.52					
100	P12 BPSK	1	137	22.34			23.0	0.0	
100	P12 BPSK	1	271	21.44					
100	P12 BPSK	135	0	22.20			23.0	0.0	
100	P12 BPSK	135	69	22.28			23.0	0.0	
100	P12 BPSK	135	138	22.21					
100	P12 BPSK	270	0	22.16			23.0	0.0	
100	QPSK	1	1	21.30					
100	QPSK	1	137	22.30			23.0	0.0	
100	QPSK	1	271	21.40					
100	QPSK	135	0	22.10					
100	QPSK	135	69	22.35			23.0	0.0	
100	QPSK	135	138	22.20					
100	QPSK	270	0	22.25			23.0	0.0	
100	16QAM	1	1	21.15			23.0	0.0	
100	64QAM	1	1	21.19			23.0	0.0	
100	256QAM	1	1	21.80			23.0	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	21.25	21.22	21.21	23.0	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3490.02	3499.98	3500			
80	QPSK	1	1	21.33	21.22	21.33	23.0	0.0	
Channel				632000	633332	634500			
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	21.39	21.43	21.45	23.0	0.0	
Channel				631668	633332	635000			
Frequency (MHz)				3470.01	3499.98	3529.98			
50	QPSK	1	1	21.63	21.69	21.70	23.0	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3460.01	3499.98	3539.98			
40	QPSK	1	1	21.90	21.89	21.80	23.0	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3450	3499.98	3549.99			
30	QPSK	1	1	21.56	21.71	21.65	23.0	0.0	
Channel				630668	633332	636000			
Frequency (MHz)				3400.02	3499.98	3559.99			
20	QPSK	1	1	22.03	22.16	22.22	23.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.98				
100	PV2 BPSK	1	1		24.40				
100	PV2 BPSK	1	137		25.28		26.0	0.0	
100	PV2 BPSK	1	271		24.44				
100	PV2 BPSK	135	0		25.16		26.0	0.0	
100	PV2 BPSK	135	69		25.17		26.0	0.0	
100	PV2 BPSK	135	138		25.28		26.0	0.0	
100	PV2 BPSK	270	0		25.17				
100	QPSK	1	1		25.35				
100	QPSK	1	137		25.39		26.0	0.0	
100	QPSK	1	271		24.42				
100	QPSK	135	0		25.16				
100	QPSK	135	69		25.35		26.0	0.0	
100	QPSK	135	138		25.23				
100	QPSK	270	0		25.25		26.0	0.0	
100	16QAM	1	1		24.57		26.0	0.0	
100	64QAM	1	1		23.50		25.0	1.0	
100	256QAM	1	1		21.46		23.0	3.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	24.38	24.47	24.53	26.0	0.0	
Channel				632000	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	24.19	24.21	24.20	26.0	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	24.42	24.46	24.46	26.0	0.0	
Channel				631000	633332	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	24.55	24.57	24.51	26.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	24.23	24.30	24.43	26.0	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.80	24.85	24.92	26.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	25.05	24.99	25.11	26.0	0.0	

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BW [MHz]	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)								
100	PV2 BPSK	1	1	21.21	3750		23.0	0.0
100	PV2 BPSK	1	137	22.14				
100	PV2 BPSK	1	271	21.35				
100	PV2 BPSK	135	0	22.09				
100	PV2 BPSK	135	69	22.13			23.0	0.0
100	PV2 BPSK	135	138	22.10			23.0	0.0
100	PV2 BPSK	270	0	21.98				
100	QPSK	1	1	21.17			23.0	0.0
100	QPSK	1	137	22.28				
100	QPSK	1	271	21.34				
100	QPSK	135	0	21.97				
100	QPSK	135	69	22.23			23.0	0.0
100	QPSK	135	138	22.09				
100	QPSK	270	0	22.04			23.0	0.0
100	16QAM	1	1	21.08			23.0	0.0
100	64QAM	1	1	21.16			23.0	0.0
100	256QAM	1	1	21.53			23.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.14	3750	3754.98	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.34	3750	3759.99	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.45	3750	3759.99	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.66	3750	3759.99	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.43	3750	3759.99	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.69	3750	3759.99	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.53	3750	3759.99	23.0	0.0

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BW [MHz]	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)								
100	PV2 BPSK	1	1	24.20	3750		26.0	0.0
100	PV2 BPSK	1	137	25.35				
100	PV2 BPSK	1	271	24.39				
100	PV2 BPSK	135	0	25.08				
100	PV2 BPSK	135	69	25.32			26.0	0.0
100	PV2 BPSK	135	138	25.15			26.0	0.0
100	PV2 BPSK	270	0	25.16				
100	QPSK	1	1	24.21			26.0	0.0
100	QPSK	1	137	25.38				
100	QPSK	1	271	24.38				
100	QPSK	135	0	25.12				
100	QPSK	135	69	25.35			26.0	0.0
100	QPSK	135	138	25.18				
100	QPSK	270	0	25.27			26.0	0.0
100	16QAM	1	1	24.47			26.0	0.0
100	64QAM	1	1	24.31			26.0	1.0
100	256QAM	1	1	25.23			26.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.25	3750	3754.98	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.23	3750	3759.99	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.47	3750	3759.99	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.80	3750	3759.99	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.32	3750	3759.99	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.65	3750	3759.99	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.12	3750	3759.99	26.0	0.0

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BW [MHz]	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)								
100	PV2 BPSK	1	1	19.59	3499.98		21.3	0.0
100	PV2 BPSK	1	137	20.47				
100	PV2 BPSK	1	271	19.55				
100	PV2 BPSK	135	0	20.33				
100	PV2 BPSK	135	69	20.41			21.3	0.0
100	PV2 BPSK	135	138	20.27			21.3	0.0
100	PV2 BPSK	270	0	20.26				
100	QPSK	1	1	19.62			21.3	0.0
100	QPSK	1	137	20.51				
100	QPSK	1	271	19.58				
100	QPSK	135	0	20.32				
100	QPSK	135	69	20.47			21.3	0.0
100	QPSK	135	138	20.23				
100	QPSK	270	0	20.24			21.3	0.0
100	16QAM	1	1	19.38			20.8	0.5
100	64QAM	1	1	19.40			20.8	0.5
100	256QAM	1	1	19.96			20.3	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.68	3499.98	3504.99	21.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.39	3499.98	3510	21.3	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.94	3499.98	3519.99	21.3	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.02	3499.98	3529.99	21.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.79	3499.98	3539.98	21.3	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.87	3499.98	3549.99	21.3	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.14	3499.98	3559.99	21.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PV2 BPSK	1	1	22.63			24.3	0.0
100	PV2 BPSK	1	137	23.50				
100	PV2 BPSK	1	271	22.50				
100	PV2 BPSK	135	0	23.37			24.3	0.0
100	PV2 BPSK	135	69	23.35			24.3	0.0
100	PV2 BPSK	135	138	23.27			24.3	0.0
100	PV2 BPSK	270	0	23.34				
100	QPSK	1	1	22.56			24.3	0.0
100	QPSK	1	137	23.53				
100	QPSK	1	271	22.54				
100	QPSK	135	0	22.83			24.3	0.0
100	QPSK	135	69	23.48				
100	QPSK	135	138	22.76				
100	QPSK	270	0	23.01			23.8	0.5
100	16QAM	1	1	22.46			23.5	0.5
100	64QAM	1	1	20.95			22.3	2.0
100	256QAM	1	1	18.88			20.3	4.6
Channel				633300	633332	633365	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)
90	QPSK	1	1	22.71	22.80	22.77	24.3	0.0
Channel				632665	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	22.92	22.83	22.93	24.3	0.0
Channel				632000	633332	634665	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)
60	QPSK	1	1	23.01	23.07	22.95	24.3	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3474.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	23.22	23.26	23.18	24.3	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	22.92	22.98	22.91	24.3	0.0
Channel				631000	633332	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)
30	QPSK	1	1	23.13	23.18	23.12	24.3	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	23.13	23.25	23.27	24.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)			
Channel											
Frequency (MHz)				3750							
100	PQ2 BPSK	1	1	19.42			21.3	0.0			
100	PQ2 BPSK	1	137	20.33							
100	PQ2 BPSK	1	271	19.43							
100	PQ2 BPSK	135	0	20.17			21.3	0.0			
100	PQ2 BPSK	135	69	20.31			21.3	0.0			
100	PQ2 BPSK	135	138	20.04			21.3	0.0			
100	PQ2 BPSK	270	0	20.08							
100	QPSK	1	1	19.45							
100	QPSK	1	137	20.42			21.3	0.0			
100	QPSK	1	271	19.47							
100	QPSK	135	0	20.12							
100	QPSK	135	69	20.32			21.3	0.0			
100	QPSK	135	138	20.02							
100	QPSK	270	0	20.15			21.3	0.0			
100	16QAM	1	1	19.17			20.8	0.5			
100	64QAM	1	1	19.19			20.6	0.5			
100	256QAM	1	1	18.63			20.3	1.0			
Channel				649605	650000	650332	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3754.98	MPR (dB)				
90	QPSK	1	1	19.54	19.50	19.56	21.3	0.0			
Channel				649334	650000	650666	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3759.99	MPR (dB)				
80	QPSK	1	1	19.81	19.91	19.94	21.3	0.0			
Channel				648698	650000	651332	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3769.98	MPR (dB)				
60	QPSK	1	1	19.94	19.95	19.95	21.3	0.0			
Channel				648334	650000	651666	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3774.99	MPR (dB)				
50	QPSK	1	1	20.05	20.01	20.08	21.3	0.0			
Channel				648090	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1	19.91	19.76	19.90	21.3	0.0			
Channel				647698	650000	652332	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3784.98	MPR (dB)				
30	QPSK	1	1	20.05	20.02	20.00	21.3	0.0			
Channel				647334	650000	652666	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3789.99	MPR (dB)				
20	QPSK	1	1	20.17	20.07	20.05	21.3	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)			
Channel											
Frequency (MHz)				3750							
100	PQ2 BPSK	1	1	22.39			24.3	0.0			
100	PQ2 BPSK	1	137	23.17							
100	PQ2 BPSK	1	271	22.31							
100	PQ2 BPSK	135	0	23.08			24.3	0.0			
100	PQ2 BPSK	135	69	23.12			24.3	0.0			
100	PQ2 BPSK	135	138	22.97			24.3	0.0			
100	PQ2 BPSK	270	0	23.01							
100	QPSK	1	1	22.33							
100	QPSK	1	137	23.32			24.3	0.0			
100	QPSK	1	271	22.38							
100	QPSK	135	0	22.58							
100	QPSK	135	69	23.25			24.3	0.0			
100	QPSK	135	138	22.47							
100	QPSK	270	0	22.55			23.6	0.5			
100	16QAM	1	1	21.98			23.6	0.5			
100	64QAM	1	1	20.42			22.3	2.0			
100	256QAM	1	1	18.90			20.3	4.0			
Channel				649605	650000	650332	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3754.98	MPR (dB)				
90	QPSK	1	1	22.51	22.59	22.62	24.3	0.0			
Channel				649334	650000	650666	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3759.99	MPR (dB)				
80	QPSK	1	1	22.54	22.58	22.68	24.3	0.0			
Channel				648698	650000	651332	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3769.98	MPR (dB)				
60	QPSK	1	1	22.73	22.72	22.80	24.3	0.0			
Channel				648334	650000	651666	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3774.99	MPR (dB)				
50	QPSK	1	1	22.84	22.80	23.00	24.3	0.0			
Channel				648090	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1	22.55	22.55	22.62	24.3	0.0			
Channel				647698	650000	652332	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3784.98	MPR (dB)				
30	QPSK	1	1	22.75	22.85	22.90	24.3	0.0			
Channel				647334	650000	652666	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3789.99	MPR (dB)				
20	QPSK	1	1	22.97	22.96	23.07	24.3	0.0			

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Seq Name	Resolution	Seq Size	File Offset	Low Complexity	Low Complexity Masked	Repeat Masked	Repeat Masked Masked	Percent High Complexity	Percent High Complexity Masked
20	CGTATG	50	1	24.53	24.58	24.45	24.45		
20	CGTATG	50	1	24.54	24.43	24.31	24.31	25.1	0.0
20	CGTATG	50	1	24.54	24.43	24.31	24.31		
20	CGTATG	50	1	23.83	23.85	23.81	23.81	23.0	0.5
20	CGTATG	50	1	24.36	24.45	24.42	24.42	25.0	0.0
20	CGTATG	50	1	24.36	24.45	24.42	24.42		
20	CGTATG	100	0	24.02	24.22	23.92	23.92	24.5	0.5
20	CGTATG	100	0	24.02	24.22	23.92	23.92		
20	CGTATG	50	1	24.42	24.24	24.24	24.24	25.0	0.0
20	CGTATG	50	1	24.42	24.24	24.21	24.21		
20	CGTATG	50	1	24.42	24.24	24.21	24.21	24.3	1.0
20	CGTATG	50	1	24.31	24.33	24.33	24.33	25.0	0.0
20	CGTATG	50	1	24.31	24.33	24.33	24.33		
20	CGTATG	100	0	23.44	23.21	23.21	23.21	24.5	1.0
20	CGTATG	100	0	23.44	23.21	23.21	23.21		
20	CGTATG	50	1	23.12	23.22	23.13	23.13	24.5	1.0
20	CGTATG	50	1	23.12	23.22	23.13	23.13	25.0	0.5
20	CGTATG	50	1	23.12	23.22	23.13	23.13	25.0	0.5
20	CGTATG	100	0	23.07	23.23	23.15	23.15	23.0	0.5
20	CGTATG	100	0	23.07	23.23	23.15	23.15		
Frequency Masked				23.12	23.02	23.02	23.02		
15	CGTATG	50	1	24.42	24.46	24.41	24.41	25.0	0.0
15	CGTATG	50	1	24.42	24.46	24.41	24.41		
15	CGTATG	50	1	24.42	24.46	24.41	24.41	25.0	0.0
15	CGTATG	50	1	24.42	24.46	24.41	24.41		
15	CGTATG	100	0	24.42	24.46	24.41	24.41	25.0	0.0
15	CGTATG	100	0	24.42	24.46	24.41	24.41		
5	CGTATG	50	1	24.42	24.45	24.44	24.44	25.0	0.0
5	CGTATG	50	1	24.42	24.45	24.44	24.44		
5	CGTATG	100	0	24.42	24.45	24.44	24.44	25.0	0.0
5	CGTATG	100	0	24.42	24.45	24.44	24.44		

[illegible]

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Bit (MHz)	Modulation	RB Size	RB Offset	Channel	Low Noise	Power Spectral Density	Power Spectral Density
				Channel	Min/Max	Min/Max	Min/Max
							Temperature (mK)
							SNR (dB)
56	Frequency (MHz)						
	PSS	160	1	50.18	20.21	18.88	
	CPSS	1	156	50.23	20.25	20.42	21.0
56	Frequency (MHz)						
	PSS	160	1	20.21	20.21	18.88	
	CPSS	1	156	20.27	20.24	20.41	21.0
56	Frequency (MHz)						
	PSS	160	1	20.27	20.24	20.41	21.0
	CPSS	1	156	20.33	20.23	20.40	21.0
56	Frequency (MHz)						
	PSS	160	1	20.33	20.23	20.40	21.0
	CPSS	1	156	20.40	20.21	20.40	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.40	20.21	20.40	21.0
	CPSS	1	156	20.43	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.43	20.23	20.41	21.0
	CPSS	1	156	20.50	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.50	20.23	20.41	21.0
	CPSS	1	156	20.57	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.57	20.23	20.41	21.0
	CPSS	1	156	20.64	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.64	20.23	20.41	21.0
	CPSS	1	156	20.71	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.71	20.23	20.41	21.0
	CPSS	1	156	20.78	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.78	20.23	20.41	21.0
	CPSS	1	156	20.85	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.85	20.23	20.41	21.0
	CPSS	1	156	20.92	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.92	20.23	20.41	21.0
	CPSS	1	156	20.99	20.23	20.41	21.0
56	Frequency (MHz)						
	CPSS	1	156	20.99	20.23	20.41	21.0
	CPSS	1	156	21.06	20.23	20.41	21.0
56	Frequency (MHz)						

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Bit	QPSK	Modulation	PS Size	OS (KHz)	Power (dBm)	Power CQI (FdB)	Power CQI (FdB)	Power CQI (FdB)	Power CQI (FdB)	Power CQI (FdB)
		Channel	Frequency (MHz)		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
30	QPSK	1	1	1	18.71	18.73	18.75	18.77	18.79	18.81
30	QPSK	1	200	1	18.73	18.75	18.77	18.79	18.81	0.0
30	QPSK	1	400	1	18.75	18.77	18.79	18.81	18.83	0.0
30	QPSK	1	600	1	18.77	18.79	18.81	18.83	18.85	0.0
30	QPSK	1	800	1	18.79	18.81	18.83	18.85	18.87	0.0
30	QPSK	128	128	128	18.83	18.84	18.86	18.88	18.90	0.0
30	QPSK	1	1	1	18.84	18.86	18.88	18.90	18.92	0.0
30	QPSK	1	200	1	18.86	18.88	18.90	18.92	18.94	0.0
30	QPSK	1	400	1	18.88	18.90	18.92	18.94	18.96	0.0
30	QPSK	1	600	1	18.90	18.92	18.94	18.96	18.98	0.0
30	QPSK	128	128	128	18.94	18.95	18.96	18.98	19.00	0.0
30	QPSK	1	1	1	18.95	18.96	18.98	19.00	19.02	0.0
30	QPSK	1	200	1	18.96	18.98	19.00	19.02	19.04	0.0
30	QPSK	1	400	1	18.98	19.00	19.02	19.04	19.06	0.0
30	QPSK	1	600	1	19.00	19.02	19.04	19.06	19.08	0.0
30	QPSK	128	128	128	19.04	19.05	19.06	19.08	19.10	0.0
30	QPSK	1	1	1	19.05	19.06	19.08	19.10	19.12	0.0
30	QPSK	1	200	1	19.06	19.08	19.10	19.12	19.14	0.0
30	QPSK	1	400	1	19.08	19.10	19.12	19.14	19.16	0.0
30	QPSK	1	600	1	19.10	19.12	19.14	19.16	19.18	0.0
30	QPSK	128	128	128	19.14	19.15	19.16	19.18	19.20	0.0
30	QPSK	1	1	1	19.15	19.16	19.18	19.20	19.22	0.0
30	QPSK	1	200	1	19.16	19.18	19.20	19.22	19.24	0.0
30	QPSK	1	400	1	19.18	19.20	19.22	19.24	19.26	0.0
30	QPSK	1	600	1	19.20	19.22	19.24	19.26	19.28	0.0
30	QPSK	128	128	128	19.24	19.25	19.26	19.28	19.30	0.0
30	QPSK	1	1	1	19.25	19.26	19.28	19.30	19.32	0.0
30	QPSK	1	200	1	19.26	19.28	19.30	19.32	19.34	0.0
30	QPSK	1	400	1	19.28	19.30	19.32	19.34	19.36	0.0
30	QPSK	1	600	1	19.30	19.32	19.34	19.36	19.38	0.0
30	QPSK	128	128	128	19.34	19.35	19.36	19.38	19.40	0.0
30	QPSK	1	1	1	19.35	19.36	19.38	19.40	19.42	0.0
30	QPSK	1	200	1	19.36	19.38	19.40	19.42	19.44	0.0
30	QPSK	1	400	1	19.38	19.40	19.42	19.44	19.46	0.0
30	QPSK	1	600	1	19.4	19.42	19.44	19.46	19.48	0.0
30	QPSK	128	128	128	19.44	19.45	19.46	19.48	19.50	0.0
30	QPSK	1	1	1	19.45	19.46	19.48	19.50	19.52	0.0
30	QPSK	1	200	1	19.46	19.48	19.50	19.52	19.54	0.0
30	QPSK	1	400	1	19.48	19.50	19.52	19.54	19.56	0.0
30	QPSK	1	600	1	19.50	19.52	19.54	19.56	19.58	0.0
30	QPSK	128	128	128	19.54	19.55	19.56	19.58	19.60	0.0
30	QPSK	1	1	1	19.55	19.56	19.58	19.60	19.62	0.0
30	QPSK	1	200	1	19.56	19.58	19.60	19.62	19.64	0.0
30	QPSK	1	400	1	19.58	19.60	19.62	19.64	19.66	0.0
30	QPSK	1	600	1	19.6	19.62	19.64	19.66	19.68	0.0
30	QPSK	128	128	128	19.64	19.65	19.66	19.68	19.70	0.0
30	QPSK	1	1	1	19.65	19.66	19.68	19.70	19.72	0.0
30	QPSK	1	200	1	19.66	19.68	19.70	19.72	19.74	0.0
30	QPSK	1	400	1	19.68	19.70	19.72	19.74	19.76	0.0
30	QPSK	1	600	1	19.7	19.72	19.74	19.76	19.78	0.0
30	QPSK	128	128	128	19.74	19.75	19.76	19.78	19.80	0.0
30	QPSK	1	1	1	19.75	19.76	19.78	19.80	19.82	0.0
30	QPSK	1	200	1	19.76	19.78	19.80	19.82	19.84	0.0
30	QPSK	1	400	1	19.78	19.80	19.82	19.84	19.86	0.0
30	QPSK	1	600	1	19.8	19.82	19.84	19.86	19.88	0.0
30	QPSK	128	128	128	19.84	19.85	19.86	19.88	19.90	0.0
30	QPSK	1	1	1	19.85	19.86	19.88	19.90	19.92	0.0
30	QPSK	1	200	1	19.86	19.88	19.90	19.92	19.94	0.0
30	QPSK	1	400	1	19.88	19.90	19.92	19.94	19.96	0.0
30	QPSK	1	600	1	19.9	19.92	19.94	19.96	19.98	0.0
30	QPSK	128	128	128	19.94	19.95	19.96	19.98	20.0	0.0
30	QPSK	1	1	1	19.95	19.96	19.98	20.0	20.02	0.0
30	QPSK	1	200	1	19.96	19.98	20.0	20.02	20.04	0.0
30	QPSK	1	400	1	19.98	20.0	20.02	20.04	20.06	0.0
30	QPSK	1	600	1	20.0	20.02	20.04	20.06	20.08	0.0
30	QPSK	128	128	128	20.04	20.05	20.06	20.08	20.1	0.0
30	QPSK	1	1	1	20.05	20.06	20.08	20.1	20.12	0.0
30	QPSK	1	200	1	20.06	20.08	20.1	20.12	20.14	0.0
30	QPSK	1	400	1	20.08	20.1	20.12	20.14	20.16	0.0
30	QPSK	1	600	1	20.1	20.12	20.14	20.16	20.18	0.0
30	QPSK	128	128	128	20.14	20.15	20.16	20.18	20.2	0.0
30	QPSK	1	1	1	20.15	20.16	20.18	20.2	20.22	0.0
30	QPSK	1	200	1	20.16	20.18	20.2	20.22	20.24	0.0
30	QPSK	1	400	1	20.18	20.2	20.22	20.24	20.26	0.0
30	QPSK	1	600	1	20.2	20.22	20.24	20.26	20.28	0.0
30	QPSK	128	128	128	20.24	20.25	20.26	20.28	20.3	0.0
30	QPSK	1	1	1	20.25	20.26	20.28	20.3	20.32	0.0
30	QPSK	1	200	1	20.26	20.28	20.3	20.32	20.34	0.0
30	QPSK	1	400	1	20.28	20.3	20.32	20.34	20.36	0.0
30	QPSK	1	600	1	20.3	20.32	20.34	20.36	20.38	0.0
30	QPSK	128	128	128	20.34	20.35	20.36	20.38	20.4	0.0
30	QPSK	1	1	1	20.35	20.36	20.38	20.4	20.42	0.0
30	QPSK	1	200	1	20.36	20.38	20.4	20.42	20.44	0.0
30	QPSK	1	400	1	20.38	20.4	20.42	20.44	20.46	0.0
30	QPSK	1	600	1	20.4	20.42	20.44	20.46	20.48	0.0
30	QPSK	128	128	128	20.44	20.45	20.46	20.48	20.5	0.0
30	QPSK	1	1	1	20.45	20.46	20.48	20.5	20.52	0.0
30	QPSK	1	200	1	20.46	20.48	20.5	20.52	20.54	0.0
30	QPSK	1	400	1	20.48	20.5	20.52	20.54	20.56	0.0
30	QPSK	1	600	1	20.5	20.52	20.54	20.56	20.58	0.0
30	QPSK	128	128	128	20.54	20.55	20.56	20.58	20.6	0.0
30	QPSK	1	1	1	20.55	20.56	20.58	20.6	20.62	0.0
30	QPSK	1	200	1	20.56	20.58	20.6	20.62	20.64	0.0
30	QPSK	1	400	1	20.58	20.6	20.62	20.64	20.66	0.0
30	QPSK	1	600	1	20.6	20.62	20.64	20.66	20.68	0.0
30	QPSK	128	128	128	20.64	20.65	20.66	20.68	20.7	0.0
30	QPSK	1	1	1	20.65	20.66	20.68	20.7	20.72	0.0
30	QPSK	1	200	1	20.66	20.68	20.7	20.72	20.74	0.0
30	QPSK	1	400	1	20.68	20.7	20.72	20.74	20.76	0.0
30	QPSK	1	600	1	20.7	20.72	20.74	20.76	20.78	0.0
30	QPSK	128	128	128	20.74	20.75	20.76	20.78	20.8	0.0
30	QPSK	1	1	1	20.75	20.76	20.78	20.8	20.82	0.0
30	QPSK	1	200	1	20.76	20.78	20.8	20.82	20.84	0.0
30	QPSK	1	400	1	20.78	20.8	20.82	20.84	20.86	0.0
30	QPSK	1	600	1	20.8	20.82	20.84	20.86	20.88	0.0
30	QPSK	128	128	128	20.84	20.85	20.86	20.88	20.9	0.0
30	QPSK	1	1	1	20.85	20.86	20.88	20.9	20.92	0.0
30	QPSK	1	200	1	20.86	20.88	20.9	20.92	20.94	0.0
30	QPSK	1	400	1	20.88	20.9	20.92	20.94	20.96	0.0
30	QPSK	1	600	1	20.9	20.92	20.94	20.96	20.98	0.0
30	QPSK	128	128	128	20.94	20.95	20.96	20.98	21.0	0.0
30	QPSK	1	1	1	20.95	20.96	20.98	21.0	21.02	0.0
30	QPSK	1	200	1	20.96	20.98	21.0	21.02	21.04	0.0
30	QPSK	1	400	1	20.98	21.0	21.02	21.04	21.06	0.0
30	QPSK	1	600	1	21.0	21.02	21.04	21.06	21.08	0.0
30	QPSK	128	128	128	21.04	21.05	21.06	21.08	21.1	0.0
30	QPSK	1	1	1	21.05	21.06	21.08	21.1	21.12	0.0
30	QPSK	1	200	1	21.06	21.08	21.1	21.12	21.14	0.0
30	QPSK	1	400	1	21.08	21.1	21.12	21.14	21.16	0.0
30	QPSK	1	600	1	21.1	21.12	21.14	21.16	21.18	0.0
30	QPSK	128	128	128	21.14	21.15	21.16	21.18	21.2	0.0
30	QPSK	1	1	1	21.15	21.16	21.18	21.2	21.22	0.0
30	QPSK	1	200	1	21.16	21.18	21.2	21.22	21.24	0.0
30	QPSK	1	400	1	21.18	21.2	21.22	21.24	21.26	0.0
30	QPSK	1	600	1	21.2	21.22	21.24	21.26	21.28	0.0
30	QPSK	128	128	128	21.24	21.25	21.			

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Port (MHz)	Modulation	RB Size	RB Chan	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Transmit rate (kbps)	MIMO (dB)
Channel									
Frequency (MHz)									
50	PCF-MQPSK	1	1	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2008	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2009	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2010	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2011	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2012	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2013	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2014	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2015	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2016	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2017	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2018	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2019	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2020	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2021	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2022	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2023	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2024	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2025	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2026	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2027	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2028	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2029	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2030	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2031	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2032	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2033	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2034	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2035	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2036	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2037	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2038	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2039	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2040	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2041	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2042	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2043	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2044	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2045	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2046	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2047	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2048	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2049	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2050	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2051	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2052	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2053	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2054	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2055	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2056	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2057	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2058	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2059	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2060	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2061	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2062	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2063	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2064	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2065	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2066	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2067	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2068	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2069	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2070	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2071	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2072	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2073	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2074	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2075	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2076	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2077	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2078	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2079	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2080	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2081	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2082	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2083	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2084	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2085	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2086	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2087	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2088	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2089	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2090	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2091	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2092	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2093	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2094	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2095	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2096	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2097	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2098	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2099	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2100	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2101	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2102	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2103	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2104	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2105	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2106	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2107	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2108	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2109	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2110	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2111	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2112	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2113	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2114	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2115	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2116	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2117	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2118	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2119	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2120	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2121	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2122	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2123	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2124	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2125	22.04	22.16	22.16		23.7	0.0
Channel									
50	PCF-MQPSK	1	2126	22.04	22.16	22.16		23.7	0.0
Channel									



n38_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. S18004	Power Middle Ch. Freq. S19000	Power High Ch. Freq. S19996	Tune-up limit (dBm)	MPR (dB)		
Channel				2590.02	2595	2599.98				
40	P12 BPSK	1	1	20.27	20.35	20.12	21.5	0.0		
40	P12 BPSK	1	53	20.48	20.54	20.45				
40	P12 BPSK	1	104	20.18	20.13	20.13				
40	P12 BPSK	50	0	20.47	20.42	20.38	21.5			
40	P12 BPSK	50	28	20.51	20.54	20.41	21.5			
40	P12 BPSK	50	56	20.43	20.48	20.55	21.5			
40	P12 BPSK	100	0	20.38	20.47	20.46				
40	QPSK	1	1	20.11	20.07	20.02	21.5	0.0		
40	QPSK	1	53	20.43	20.56	20.45				
40	QPSK	1	104	19.98	20.10	20.07				
40	QPSK	50	0	20.30	20.42	20.43	21.5	0.0		
40	QPSK	50	28	20.48	20.55	20.50				
40	QPSK	50	56	20.33	20.45	20.43				
40	QPSK	100	0	20.45	20.48	20.41	21.5			
40	16QAM	1	1	19.75	19.85	19.88	21.5			
40	64QAM	1	1	19.83	19.86	19.75	21.5			
40	256QAM	1	1	19.85	20.00	20.07	21.0			
Channel				257702	258000	258998	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	20.00	19.95	20.03	21.5			
Channel				256000	256500	257200	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	20.01	19.92	20.08	21.5			

n38_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. S18004	Power Middle Ch. Freq. S19000	Power High Ch. Freq. S19996	Tune-up limit (dBm)	MPR (dB)			
Channel				2590.02	2595	2599.98					
40	P12 BPSK	1	1	19.44	19.50	19.52	17.4	0.0			
40	P12 BPSK	1	53	19.97	19.03	19.94					
40	P12 BPSK	1	104	19.49	19.56	19.49					
40	P12 BPSK	50	0	19.86	19.94	19.83	17.4				
40	P12 BPSK	50	28	19.04	19.06	19.03	17.4				
40	P12 BPSK	50	56	19.81	19.91	19.89	17.4				
40	P12 BPSK	100	0	19.84	19.96	19.85					
40	QPSK	1	1	19.62	19.69	19.69	17.4	0.0			
40	QPSK	1	53	19.04	19.09	19.03					
40	QPSK	1	104	19.47	19.53	19.43					
40	QPSK	50	0	19.53	19.53	19.51	17.4	0.0			
40	QPSK	50	28	19.00	19.08	19.07					
40	QPSK	50	56	19.81	19.92	19.89					
40	QPSK	100	0	19.90	19.95	19.90	17.4				
40	16QAM	1	1	19.45	19.43	19.42	17.4				
40	64QAM	1	1	19.51	19.41	19.44	17.4				
40	256QAM	1	1	19.97	19.04	19.92	17.4				
Channel				2585.01	259000	259999	Tune-up limit (dBm)	MPR (dB)			
30	QPSK	1	1	19.41	19.45	19.44	17.4				
Channel				258000	259000	262000	Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	1	19.43	19.54	19.40	17.4				

n38 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. S18004	Power Middle Ch. Freq. S19000	Power High Ch. Freq. S19996	Tune-up limit (dBm)	MPR (dB)		
Channel				2590.02	2595	2599.98				
40	P12 BPSK	1	1	19.20	19.25	19.25	17.2	0.0		
40	P12 BPSK	1	53	19.45	19.59	19.54				
40	P12 BPSK	1	104	19.26	19.30	19.21				
40	P12 BPSK	50	0	19.43	19.51	19.47	17.2			
40	P12 BPSK	50	28	19.54	19.60	19.46	17.2			
40	P12 BPSK	50	56	19.51	19.59	19.48	17.2	0.0		
40	P12 BPSK	100	0	19.40	19.49	19.44				
40	QPSK	1	1	19.23	19.27	19.23				
40	QPSK	1	53	19.07	19.05	19.03	17.2	0.0		
40	QPSK	1	104	19.27	19.35	19.32				
40	QPSK	50	0	19.42	19.48	19.42				
40	QPSK	50	28	19.53	19.05	19.54	17.2	0.0		
40	QPSK	50	56	19.46	19.60	19.48				
40	QPSK	100	0	19.46	19.61	19.47				
40	16QAM	1	1	19.23	19.31	19.28	17.2			
40	64QAM	1	1	19.25	19.30	19.26	17.2			
40	256QAM	1	1	19.97	19.47	19.96	17.2			
Channel				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	19.24	19.28	19.28	17.2			
Channel				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	19.28	19.27	19.29	17.2			

n38_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				518002	518000	519998				
Frequency (MHz)				2592.02	2595	2599.98				
40	PV2 BPSK	1	1	21.89	21.93	21.98		23.6	0.0	
40	PV2 BPSK	1	53	22.41	22.55	22.45				
40	PV2 BPSK	1	104	22.16	22.17	22.10		23.6	0.0	
40	PV2 BPSK	50	0	22.35	22.28	22.19				
40	PV2 BPSK	50	28	22.52	22.57	22.47		23.6	0.0	
40	PV2 BPSK	50	56	22.28	22.38	22.34				
40	PV2 BPSK	100	0	22.39	22.38	22.45		23.6	0.0	
40	QPSK	1	1	22.00	21.96	21.94				
40	QPSK	1	53	22.48	22.58	22.43		23.6	0.0	
40	QPSK	1	104	21.99	22.11	21.99				
40	QPSK	50	0	22.18	22.25	22.25		23.6	0.0	
40	QPSK	50	28	22.45	22.52	22.40				
40	QPSK	50	56	22.31	22.31	22.25		23.6	0.0	
40	QPSK	100	0	22.43	22.47	22.34				
40	ISDAM	1	1	21.84	21.78	21.71		23.6	0.0	
40	ISDAM	1	1	20.38	20.36	20.26				
40	25GAM	1	1	18.84	18.97	18.96		23.6	0.0	
Channel				517002	518000	520998				
Frequency (MHz)				2545.01	2595	2604.98				
30	QPSK	1	1	21.88	21.94	21.89		23.6		
Channel				516000	518000	522000				
Frequency (MHz)				2545	2595	2610				
20	QPSK	1	1	21.91	22.11	22.10		23.6		

n41_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				506000	518998	526996			
Frequency (MHz)				2546.01	2592.99	2640			
100	PV2 BPSK	1	1	19.56	19.60	19.58		21.5	0.0
100	PV2 BPSK	1	137	20.39	20.50	20.38			
100	PV2 BPSK	1	271	19.61	19.69	19.68		21.5	0.0
100	PV2 BPSK	135	0	20.28	20.25	20.17			
100	PV2 BPSK	135	69	20.53	20.55	20.45		21.5	0.0
100	PV2 BPSK	135	138	20.24	20.35	20.34			
100	PV2 BPSK	270	0	20.21	20.31	20.27		21.5	0.0
100	QPSK	1	1	19.53	19.57	19.54			
100	QPSK	1	137	20.50	20.57	20.56		21.5	0.0
100	QPSK	1	271	19.72	19.66	19.54			
100	QPSK	135	0	20.34	20.38	20.22		21.5	0.0
100	QPSK	135	69	20.52	20.55	20.57			
100	QPSK	135	138	20.41	20.38	20.27		21.5	0.0
100	QPSK	270	0	20.23	20.47	20.26			
100	ISDAM	1	1	19.52	19.54	19.55		21.5	0.0
100	ISDAM	1	1	19.55	19.55	19.51			
100	25GAM	1	1	19.44	19.49	19.45		21.0	0.5
Channel				505000	518998	526996			
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	19.53	19.58	19.56		21.5	
Channel				505000	518998	526996			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.52	19.58	19.50		21.5	
Channel				505000	518998	531998			
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	1	19.50	19.51	19.57		21.5	
Channel				504000	518998	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.56	19.52	19.59		21.5	
Channel				503000	518998	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.54	19.51	19.55		21.5	
Channel				502000	518998	534998			
Frequency (MHz)				2511	2592.99	2674.99			
30	QPSK	1	1	19.52	19.59	19.56		21.5	
Channel				501000	518998	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.53	19.53	19.51		21.5	

n41_FCC_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				506002	518998	526000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PV2 BPSK	1	1	15.98	15.92	15.94		17.4	0.0	
100	PV2 BPSK	1	137	15.96	16.11	16.09				
100	PV2 BPSK	1	271	15.42	15.41	15.44		17.4	0.0	
100	PV2 BPSK	135	0	16.00	16.05	15.96				
100	PV2 BPSK	135	69	16.04	16.10	15.95		17.4	0.0	
100	PV2 BPSK	135	138	15.82	15.89	15.89				
100	PV2 BPSK	270	0	15.84	15.94	15.87		17.4	0.0	
100	QPSK	1	1	15.90	15.95	15.95				
100	QPSK	1	137	16.11	16.15	16.04		17.4	0.0	
100	QPSK	1	271	15.42	15.47	15.45				
100	QPSK	135	0	15.95	16.01	15.95		17.4	0.0	
100	QPSK	135	69	16.00	16.11	15.98				
100	QPSK	135	138	15.85	15.88	15.80		17.4	0.0	
100	QPSK	270	0	15.78	15.87	15.91				
100	ISDAM	1	1	15.45	15.43	15.48		17.4	0.0	
100	ISDAM	1	1	15.40	15.43	15.44				
100	25GAM	1	1	15.89	15.90	15.77		17.4	0.0	
Channel				505000	518998	526998				
Frequency (MHz)				2641	2592.99	2644.98				
90	QPSK	1	1	15.50	15.58	15.48		17.4		
Channel				505000	518000	526998				
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	15.54	15.50	15.53		17.4		
Channel				505000	518998	531998				
Frequency (MHz)				2536	2592.99	2659.98				
60	QPSK	1	1	15.50	15.52	15.54		17.4		
Channel				504000	518998	532998				
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	15.56	15.46	15.51		17.4		
Channel				503000	518998	534000				
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	15.52	15.51	15.49		17.4		
Channel				502000	518998	534998				
Frequency (MHz)				2511	2592.99	2674.99				
30	QPSK	1	1	15.56	15.57	15.41		17.4		
Channel				501000	518998	535998				
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	15.43	15.51	15.47		17.4		

n41_FCC_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	15.21	15.27	15.22	17.2	0.0	
100	PQ2 BPSK	1	137	15.81	15.78	15.72			
100	PQ2 BPSK	1	271	15.41	15.43	15.42	17.2	0.0	
100	PQ2 BPSK	135	0	15.65	15.65	15.58			
100	PQ2 BPSK	135	69	15.71	15.64	15.65	17.2	0.0	
100	PQ2 BPSK	135	138	15.79	15.80	15.81			
100	PQ2 BPSK	270	0	15.68	15.71	15.71	17.2	0.0	
100	QPSK	1	1	15.25	15.28	15.23			
100	QPSK	1	137	15.75	15.68	15.73	17.2	0.0	
100	QPSK	1	271	15.29	15.42	15.34			
100	QPSK	135	0	15.67	15.66	15.58	17.2	0.0	
100	QPSK	135	69	15.75	15.64	15.71			
100	QPSK	135	138	15.67	15.76	15.64	17.2	0.0	
100	QPSK	270	0	15.62	15.61	15.59			
100	16QAM	1	1	15.20	15.26	15.29	17.2	0.0	
100	64QAM	1	1	15.21	15.27	15.25			
100	256QAM	1	1	15.27	15.31	15.34	17.2	0.0	
Channel				2640.00	2592.99	2599.98			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.33	15.36	15.41	17.2	0.0	
Channel				2572.01	2592.99	2644.98			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	15.33	15.34	15.41	17.2	0.0	
Channel				3026.99	3092.99	3048.98			
Frequency (MHz)				3026.99	3092.99	3048.98			
60	QPSK	1	1	15.42	15.48	15.37	17.2	0.0	
Channel				3042.94	3092.99	3048.98			
Frequency (MHz)				3021.02	3092.99	3048.99			
90	QPSK	1	1	15.40	15.42	15.30	17.2	0.0	
Channel				3032.02	3092.99	3048.99			
Frequency (MHz)				3016.01	3092.99	3048.99			
40	QPSK	1	1	15.37	15.41	15.34	17.2	0.0	
Channel				3022.00	3092.99	3048.98			
Frequency (MHz)				3011.01	3092.99	3048.98			
30	QPSK	1	1	15.49	15.41	15.30	17.2	0.0	
Channel				3012.04	3092.99	3048.98			
Frequency (MHz)				3008.02	3092.99	3048.98			
20	QPSK	1	1	15.41	15.42	15.38	17.2	0.0	
Channel				3008.02	3092.99	3048.98			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	21.17	21.15	21.10	23.1	0.0	
100	PQ2 BPSK	1	137	21.94	21.95	22.02			
100	PQ2 BPSK	1	271	21.18	21.21	21.11	23.1	0.0	
100	PQ2 BPSK	135	0	21.68	21.76	21.77			
100	PQ2 BPSK	135	69	21.98	21.91	21.99	23.1	0.0	
100	PQ2 BPSK	135	138	21.74	21.83	21.83			
100	PQ2 BPSK	270	0	21.76	21.83	21.77	23.1	0.0	
100	QPSK	1	1	21.11	21.14	21.11			
100	QPSK	1	137	21.84	22.08	21.84	23.1	0.0	
100	QPSK	1	271	21.16	21.27	21.15			
100	QPSK	135	0	21.72	21.79	21.80	23.1	0.0	
100	QPSK	135	69	22.03	22.05	22.03			
100	QPSK	135	138	21.69	21.79	21.73	23.1	0.0	
100	QPSK	270	0	21.70	21.87	21.87			
100	16QAM	1	1	21.17	21.21	21.11	23.1	0.0	
100	64QAM	1	1	20.17	20.19	20.16			
100	256QAM	1	1	18.30	18.33	18.32	20.1	3.0	
Channel				500.000	518.008	536.996			
Frequency (MHz)				2541	2592.99	2644.98	23.1	0.0	
90	QPSK	1	1	21.35	21.32	21.27			
Channel				507.024	518.008	536.996	23.1	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.31	21.23	21.24	23.1	0.0	
Channel				505.000	518.008	535.996			
Frequency (MHz)				2526	2592.99	2659.98	23.1	0.0	
60	QPSK	1	1	21.36	21.32	21.19			
Channel				502.000	518.008	535.996	23.1	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
90	QPSK	1	1	21.27	21.34	21.22	23.1	0.0	
Channel				502.000	518.008	535.996			
Frequency (MHz)				2516.01	2592.99	2670	23.1	0.0	
40	QPSK	1	1	21.26	21.36	21.24			
Channel				502.000	518.008	534.996	23.1	0.0	
Frequency (MHz)				2511.01	2592.99	2674.98			
30	QPSK	1	1	21.37	21.35	21.20	23.1	0.0	
Channel				501.024	518.008	535.996			
Frequency (MHz)				2502.99	2592.99	2679.99	23.1	0.0	
20	QPSK	1	1	21.25	21.29	21.21			

Part27Q_n78_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)				3499.98	3499.98	3500.00			
100	PQ2 BPSK	1	1	11.31			12.9	0.0	
100	PQ2 BPSK	1	137	11.80					
100	PQ2 BPSK	1	271	11.07			12.9	0.0	
100	PQ2 BPSK	135	0	11.80					
100	PQ2 BPSK	135	69	11.83			12.9	0.0	
100	PQ2 BPSK	135	138	11.64					
100	PQ2 BPSK	270	0	11.71			12.9	0.0	
100	QPSK	1	1	11.31					
100	QPSK	1	137	11.80			12.9	0.0	
100	QPSK	1	271	11.07					
100	QPSK	135	0	11.76			12.9	0.0	
100	QPSK	135	69	11.83					
100	QPSK	135	138	11.63			12.9	0.0	
100	QPSK	270	0	11.75					
100	16QAM	1	1	11.09			12.9	0.0	
100	64QAM	1	1	11.10					
100	256QAM	1	1	11.09			12.9	0.0	
Channel				6330.00	6333.32	6336.66			
Frequency (MHz)				3499.98	3499.98	3500.00	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	11.30	11.24	11.27	12.9	0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
80	QPSK	1	1	11.26	11.24	11.24	12.9	0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
60	QPSK	1	1	11.26	11.19	11.20	12.9	0.0	
Channel				6310.98	6333.32	6355.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
50	QPSK	1	1	11.29	11.10	11.21	12.9	0.0	
Channel				6310.98	6333.32	6355.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
40	QPSK	1	1	11.14	11.22	11.12	12.9	0.0	
Channel				6310.00	6333.32	6356.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
30	QPSK	1	1	11.18	11.15	11.23	12.9	0.0	
Channel				6306.66	6333.32	6360.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.98	3499.98	3500.00	(dBm)	(dB)	
20	QPSK	1	1	11.26	11.14	11.17	12.9	0.0	



Part27Q_n78(HPUE)_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				3499.98				
Frequency (MHz)				14.13				
100	PV2 BPSK	1	1		14.13		15.9	0.0
100	PV2 BPSK	1	137		14.64			
100	PV2 BPSK	1	271		14.03			
100	PV2 BPSK	135	0		14.64		15.9	0.0
100	PV2 BPSK	135	69		14.07		15.9	0.0
100	PV2 BPSK	135	138		14.53		15.9	0.0
100	PV2 BPSK	270	0		14.54			
100	QPSK	1	1		14.17			
100	QPSK	1	137		14.69		15.9	0.0
100	QPSK	1	271		13.98			
100	QPSK	135	0		14.50		15.9	0.0
100	QPSK	135	69		14.05			
100	QPSK	135	138		14.50			
100	QPSK	270	0		14.58		15.9	0.0
100	16QAM	1	1		14.37		15.9	0.0
100	64QAM	1	1		14.27		15.9	0.0
100	256QAM	1	1		14.20		15.9	0.0
Channel				633000	633152	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.98		
90	QPSK	1	1	14.11	14.13	14.08	15.9	0.0
Channel				632466	633152	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	14.01	14.05	14.03	15.9	0.0
Channel				632000	633332	634986	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	13.98	14.09	14.00	15.9	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3474.02	3499.98	3505		
50	QPSK	1	1	14.10	14.05	13.95	15.9	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3509.98		
40	QPSK	1	1	13.95	14.09	13.94	15.9	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3468	3499.98	3514.98		
30	QPSK	1	1	14.04	14.03	14.02	15.9	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.02	3499.98	3510		
20	QPSK	1	1	14.05	13.97	14.03	15.9	0.0

Part270_n78_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)											
100	P12 BPSK	1	1	10.95			12.9	0.0			
100	P12 BPSK	1	137	11.63							
100	P12 BPSK	1	271	10.95							
100	P12 BPSK	135	0	11.51			12.9	0.0			
100	P12 BPSK	135	69	11.71			12.9	0.0			
100	P12 BPSK	135	138	11.49			12.9	0.0			
100	P12 BPSK	270	0	11.57							
100	QPSK	1	1	10.92							
100	QPSK	1	137	11.72			12.9	0.0			
100	QPSK	1	271	10.96							
100	QPSK	135	0	11.55							
100	QPSK	135	69	11.69			12.9	0.0			
100	QPSK	135	138	11.51							
100	QPSK	270	0	11.62			12.9	0.0			
100	16QAM	1	1	10.96			12.9	0.0			
100	16QAM	1	1	10.97			12.9	0.0			
100	256QAM	1	1	11.25			12.9	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	3745.02	3750	3754.98	12.9	MPR (dB)			
Channel											
Frequency (MHz)											
80	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	10.91	10.95	10.96	12.9	MPR (dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	10.89	10.95	10.91	12.9	MPR (dB)			
Channel											
Frequency (MHz)											
50	QPSK	1	1	10.97	10.92	10.94	12.9	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	10.94	10.96	10.97	12.9	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	10.92	10.90	10.97	12.9	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	10.91	10.95	10.90	12.9	0.0			

Part270_n78(HPUE)_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)											
100	P12 BPSK	1	1	13.99			15.9	0.0			
100	P12 BPSK	1	137	14.61							
100	P12 BPSK	1	271	13.90							
100	P12 BPSK	135	0	14.51			15.9	0.0			
100	P12 BPSK	135	69	14.61			15.9	0.0			
100	P12 BPSK	135	138	14.41			15.9	0.0			
100	P12 BPSK	270	0	14.48							
100	QPSK	1	1	13.93							
100	QPSK	1	137	14.64			15.9	0.0			
100	QPSK	1	271	13.99							
100	QPSK	135	0	14.51							
100	QPSK	135	69	14.62			15.9	0.0			
100	QPSK	135	138	14.42							
100	QPSK	270	0	14.56			15.9	0.0			
100	16QAM	1	1	14.15			15.9	0.0			
100	64QAM	1	1	14.06			15.9	0.0			
100	256QAM	1	1	13.92			15.9	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	3745.02	3750	3754.98	15.9	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	13.93	13.96	13.96	15.9	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	13.93	13.96	13.90	15.9	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	13.90	13.92	13.92	15.9	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	13.95	13.95	13.93	15.9	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	13.95	13.90	13.95	15.9	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	13.93	13.96	13.95	15.9	0.0			

Part27Q_n78_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)											
100	P12 BPSK	1	1	17.20			18.8	0.0			
100	P12 BPSK	1	137	17.89							
100	P12 BPSK	1	271	17.16							
100	P12 BPSK	135	0	17.85			18.8	0.0			
100	P12 BPSK	135	69	17.86			18.8	0.0			
100	P12 BPSK	135	138	17.82			18.8	0.0			
100	P12 BPSK	270	0	17.83			18.8	0.0			
100	QPSK	1	1	17.37							
100	QPSK	1	137	17.94							
100	QPSK	1	271	17.17			18.8	0.0			
100	QPSK	135	0	17.82			18.8	0.0			
100	QPSK	135	69	17.91							
100	QPSK	135	138	17.82							
100	QPSK	270	0	17.86			18.8	0.0			
100	16QAM	1	1	17.14			18.8	0.0			
100	64QAM	1	1	17.20			18.8	0.0			
100	256QAM	1	1	17.72			18.8	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	3490.02	3495	3499.98	17.57	18.8			
Channel											
Frequency (MHz)											
80	QPSK	1	1	17.52	17.50	17.45	18.8	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	17.51	17.48	17.54	18.8	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	17.53	17.44	17.54	18.8	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	17.52	17.50	17.45	18.8	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.51	17.44	17.50	18.8	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	17.44	17.57	17.52	18.8	0.0			

Part27Q_n78(HPUE)_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					633332				
Frequency (MHz)					3499.98				
100	PV2 BPSK	1	1		19.94				
100	PV2 BPSK	1	137		20.84		21.8	0.0	
100	PV2 BPSK	1	271		19.86				
100	PV2 BPSK	135	0		20.71		21.8	0.0	
100	PV2 BPSK	135	69		20.77		21.8	0.0	
100	PV2 BPSK	135	138		20.59		21.8	0.0	
100	PV2 BPSK	270	0		20.62				
100	QPSK	1	1		19.92				
100	QPSK	1	137		20.86		21.8	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		20.67				
100	QPSK	135	69		20.83		21.8	0.0	
100	QPSK	135	138		20.63				
100	QPSK	270	0		20.96		21.8	0.0	
100	16QAM	1	1		20.21		21.8	0.0	
100	64QAM	1	1		20.07		21.8	0.0	
100	256QAM	1	1		20.00		21.8	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	20.06	20.07	20.12	21.8	0.0	
Channel				632000	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	20.06	20.03	20.01	21.8	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	20.05	19.99	19.98	21.8	0.0	
Channel				631000	633332	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	20.02	19.96	20.01	21.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.90	19.97	20.01	21.8	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	19.92	19.91	20.05	21.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.91	20.03	20.05	21.8	0.0	

Part270_n78_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)								
100	P12 BPSK	1	1	16.70				
100	P12 BPSK	1	137	17.46			18.8	0.0
100	P12 BPSK	1	271	16.72				
100	P12 BPSK	135	0	17.29			18.8	0.0
100	P12 BPSK	135	69	17.47			18.8	0.0
100	P12 BPSK	135	138	17.36				
100	P12 BPSK	270	0	17.32			18.8	0.0
100	QPSK	1	1	16.69				
100	QPSK	1	137	17.50			18.8	0.0
100	QPSK	1	271	16.70				
100	QPSK	135	0	17.26				
100	QPSK	135	69	17.48			18.8	0.0
100	QPSK	135	138	17.35				
100	QPSK	270	0	17.44			18.8	0.0
100	16QAM	1	1	16.45			18.8	0.0
100	64QAM	1	1	16.49			18.8	0.0
100	256QAM	1	1	17.62			18.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.87	16.83	16.88	18.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.87	16.82	16.90	18.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.88	16.80	16.95	18.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.78	16.76	16.89	18.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.88	16.90	16.93	18.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.79	16.86	16.89	18.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.85	16.87	16.82	18.8	0.0

Part270_n78(HPUE)_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)								
100	P12 BPSK	1	1	19.49				
100	P12 BPSK	1	137	20.54			21.8	0.0
100	P12 BPSK	1	271	19.52				
100	P12 BPSK	135	0	20.34			21.8	0.0
100	P12 BPSK	135	69	20.53			21.8	0.0
100	P12 BPSK	135	138	20.34				
100	P12 BPSK	270	0	20.34			21.8	0.0
100	QPSK	1	1	19.41				
100	QPSK	1	137	20.56			21.8	0.0
100	QPSK	1	271	19.47				
100	QPSK	135	0	20.35				
100	QPSK	135	69	20.52			21.8	0.0
100	QPSK	135	138	20.39				
100	QPSK	270	0	20.44			21.8	0.0
100	16QAM	1	1	19.69			21.8	0.0
100	64QAM	1	1	19.56			21.8	0.0
100	256QAM	1	1	19.85			21.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.69	19.60	19.61	21.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.62	19.67	19.64	21.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.69	19.60	19.54	21.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.70	19.67	19.67	21.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.64	19.52	19.59	21.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.65	19.52	19.56	21.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.63	19.57	19.55	21.8	0.0

Part270_n78_Ant 5								
BW [MHz]	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)								
100	P12 BPSK	1	1	14.70				
100	P12 BPSK	1	137	15.31			16.0	0.0
100	P12 BPSK	1	271	14.71				
100	P12 BPSK	135	0	15.26			16.0	0.0
100	P12 BPSK	135	69	15.34			16.0	0.0
100	P12 BPSK	135	138	15.32				
100	P12 BPSK	270	0	15.26			16.0	0.0
100	QPSK	1	1	14.60				
100	QPSK	1	137	15.30			16.0	0.0
100	QPSK	1	271	14.59				
100	QPSK	135	0	15.21				
100	QPSK	135	69	15.32			16.0	0.0
100	QPSK	135	138	15.21				
100	QPSK	270	0	15.25			16.0	0.0
100	16QAM	1	1	14.88			16.0	0.0
100	64QAM	1	1	14.80			16.0	0.0
100	256QAM	1	1	14.81			16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.94	14.89	14.91	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.86	14.91	14.84	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.99	14.96	14.85	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.89	14.88	14.90	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.96	14.84	14.92	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.85	14.84	14.91	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.92	14.96	14.96	16.0	0.0

Part27Q_n78(HPUE)_Ant 5									
BW (MHz)	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)				3499.98					
100	PV2 BPSK	1	1	17.62			19.0	0.0	
100	PV2 BPSK	1	137		18.23				
100	PV2 BPSK	1	271		17.63				
100	PV2 BPSK	135	0		18.17		19.0	0.0	
100	PV2 BPSK	135	69		18.22		19.0	0.0	
100	PV2 BPSK	135	138		18.20		19.0	0.0	
100	PV2 BPSK	270	0		18.16				
100	QPSK	1	1	17.57			19.0	0.0	
100	QPSK	1	137		18.26				
100	QPSK	1	271		17.55				
100	QPSK	135	0		18.16		19.0	0.0	
100	QPSK	135	69		18.24				
100	QPSK	135	138		18.19				
100	QPSK	270	0		18.20		19.0	0.0	
100	16QAM	1	1		17.84		19.0	0.0	
100	64QAM	1	1		17.70		19.0	0.0	
100	256QAM	1	1		17.64		19.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	17.81	17.77	17.76	19.0	0.0	
Channel				630200	633332	636500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3519			
80	QPSK	1	1	17.74	17.83	17.78	19.0	0.0	
Channel				630000	633332	636500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3519.99			
60	QPSK	1	1	17.78	17.78	17.80	19.0	0.0	
Channel				631008	633332	636500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3524			
50	QPSK	1	1	17.80	17.76	17.89	19.0	0.0	
Channel				631334	633332	636532	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.73	17.75	17.76	19.0	0.0	
Channel				631000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3464	3499.98	3534.99			
30	QPSK	1	1	17.77	17.75	17.74	19.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.44	17.70	17.82	19.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P22 BPSK	1	1	14.44			
100	P22 BPSK	1	137	15.21			16.0
100	P22 BPSK	1	271	14.58			0.0
100	P22 BPSK	135	0	15.16			16.0
100	P22 BPSK	135	69	15.25			16.0
100	P22 BPSK	135	138	15.22			16.0
100	P22 BPSK	270	0	15.17			0.0
100	QPSK	1	1	14.45			
100	QPSK	1	137	15.30			16.0
100	QPSK	1	271	14.63			0.0
100	QPSK	135	0	15.11			16.0
100	QPSK	135	69	15.27			16.0
100	QPSK	135	138	15.17			0.0
100	QPSK	270	0	15.26			16.0
100	16QAM	1	1	14.59			16.0
100	64QAM	1	1	14.27			16.0
100	256QAM	1	1	14.78			16.0
Channel				549658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	14.56	14.58	14.62	16.0
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	14.63	14.56	14.57	16.0
Channel				648998	650000	651152	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	14.54	14.53	14.53	16.0
Channel				648334	650000	651666	
Frequency (MHz)				3720.01	3750	3774.99	
50	QPSK	1	1	14.53	14.50	14.63	16.0
Channel				648090	650000	652000	
Frequency (MHz)				3710.01	3750	3790.00	
40	QPSK	1	1	14.49	14.51	14.54	16.0
Channel				647698	650000	652332	
Frequency (MHz)				3700.02	3750	3784.98	
30	QPSK	1	1	14.52	14.45	14.49	16.0
Channel				647334	650000	652666	
Frequency (MHz)				3693.01	3750	3809.99	
20	QPSK	1	1	14.46	14.58	14.55	16.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3750			
100	P22 BPSK	1	1	17.52			
100	P22 BPSK	1	137	18.31			19.0
100	P22 BPSK	1	271	17.69			0.0
100	P22 BPSK	135	0	18.19			19.0
100	P22 BPSK	135	69	18.33			19.0
100	P22 BPSK	135	138	18.31			19.0
100	P22 BPSK	270	0	18.25			0.0
100	QPSK	1	1	17.44			
100	QPSK	1	137	18.34			19.0
100	QPSK	1	271	17.58			0.0
100	QPSK	135	0	18.14			19.0
100	QPSK	135	69	18.32			19.0
100	QPSK	135	138	18.28			0.0
100	QPSK	270	0	18.25			19.0
100	16QAM	1	1	17.71			19.0
100	64QAM	1	1	17.56			19.0
100	256QAM	1	1	17.57			19.0
Channel				549658	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	1	17.71	17.67	17.75	19.0
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	QPSK	1	1	17.60	17.67	17.73	19.0
Channel				648998	650000	651152	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	1	17.71	17.69	17.75	19.0
Channel				648334	650000	651666	
Frequency (MHz)				3720.01	3750	3774.99	
50	QPSK	1	1	17.65	17.63	17.68	19.0
Channel				648090	650000	652000	
Frequency (MHz)				3710.01	3750	3790.00	
40	QPSK	1	1	17.73	17.60	17.74	19.0
Channel				647698	650000	652332	
Frequency (MHz)				3700.02	3750	3784.98	
30	QPSK	1	1	17.70	17.70	17.74	19.0
Channel				647334	650000	652666	
Frequency (MHz)				3700.01	3750	3789.99	
20	QPSK	1	1	17.71	17.63	17.77	19.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3699.98			
100	P22 BPSK	1	1	13.12			
100	P22 BPSK	1	137	13.70			14.3
100	P22 BPSK	1	271	12.81			0.0
100	P22 BPSK	135	0	13.87			14.3
100	P22 BPSK	135	69	13.70			14.3
100	P22 BPSK	135	138	13.45			14.3
100	P22 BPSK	270	0	13.53			0.0
100	QPSK	1	1	13.10			
100	QPSK	1	137	13.71			14.3
100	QPSK	1	271	12.75			0.0
100	QPSK	135	0	13.61			14.3
100	QPSK	135	69	13.58			14.3
100	QPSK	135	138	13.51			0.0
100	QPSK	270	0	13.81			14.3
100	16QAM	1	1	12.86			14.3
100	64QAM	1	1	12.90			14.3
100	256QAM	1	1	13.48			14.3
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	13.05	13.07	13.04	14.3
Channel				632998	633332	633666	
Frequency (MHz)				3490.02	3499.98	3500	
80	QPSK	1	1	12.99	13.04	13.02	14.3
Channel				632698	633332	633666	
Frequency (MHz)				3480.01	3499.98	3500	
60	QPSK	1	1	13.02	13.01	12.97	14.3
Channel				631698	633332	633666	
Frequency (MHz)				3470.01	3499.98	3500	
50	QPSK	1	1	13.04	12.98	13.06	14.3
Channel				631334	633332	633666	
Frequency (MHz)				3460.01	3499.98	3500	
40	QPSK	1	1	13.00	13.07	12.95	14.3
Channel				631098	633332	633666	
Frequency (MHz)				3450	3499.98	3504.99	
30	QPSK	1	1	13.06	13.08	13.03	14.3
Channel				630698	633332	633666	
Frequency (MHz)				3440.02	3499.98	3500	
20	QPSK	1	1	12.98	13.07	12.96	14.3

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.98				
100	P12 BPSK	1	1		16.09				
100	P12 BPSK	1	137		16.07		17.3	0.0	
100	P12 BPSK	1	271		15.79				
100	P12 BPSK	135	0		16.81		17.3	0.0	
100	P12 BPSK	135	69		16.65		17.3	0.0	
100	P12 BPSK	135	138		16.47		17.3	0.0	
100	P12 BPSK	270	0		16.52				
100	QPSK	1	1		15.04				
100	QPSK	1	137		16.09		17.3	0.0	
100	QPSK	1	271		15.74				
100	QPSK	135	0		16.60				
100	QPSK	135	69		16.06		17.3	0.0	
100	QPSK	135	138		16.48				
100	QPSK	270	0		16.51		17.3	0.0	
100	16QAM	1	1		16.35		17.3	0.0	
100	64QAM	1	1		16.25		17.3	0.0	
100	256QAM	1	1		16.17		17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499	3499.98	3504.99			
90	QPSK	1	1	16.07	16.14	16.09	17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3499.02	3499.98	3510			
80	QPSK	1	1	15.98	16.13	15.99	17.3	0.0	
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3519.99			
60	QPSK	1	1	16.10	16.09	16.02	17.3	0.0	
Channel				631000	633332	635500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.13	16.04	16.07	17.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.14	16.09	16.01	17.3	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	15.97	16.40	16.08	17.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.06	16.05	16.05	17.3	0.0	

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P12 BPSK	1	1	12.58					
100	P12 BPSK	1	137	13.34			14.3		0.0
100	P12 BPSK	1	271	12.48					
100	P12 BPSK	135	0	13.29			14.3	0.0	0.0
100	P12 BPSK	135	69	13.28			14.3	0.0	0.0
100	P12 BPSK	135	138	13.18			14.3	0.0	0.0
100	P12 BPSK	270	0	13.19			14.3	0.0	0.0
100	QPSK	1	1	12.29					
100	QPSK	1	137	13.36			14.3		0.0
100	QPSK	1	271	12.43					
100	QPSK	135	0	13.22					
100	QPSK	135	69	13.33			14.3		0.0
100	QPSK	135	138	13.16					
100	QPSK	270	0	13.27			14.3		0.0
100	16QAM	1	1	12.35			14.3		0.0
100	64QAM	1	1	12.37			14.3		0.0
100	256QAM	1	1	12.80			14.3		0.0
Channel				649605	600000	650332	Tune-up limit	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	12.51	12.58	12.58	14.3		0.0
Channel				649334 <th>600000</th> <th>650666</th> <th>Tune-up limit</th> <th colspan="2">MPR (dB)</th>	600000	650666	Tune-up limit	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	12.49	12.62	12.55	14.3		0.0
Channel				648698	650000	651332	Tune-up limit	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	12.54	12.60	12.46	14.3		0.0
Channel				648334 <th>650000</th> <th>651666</th> <th>Tune-up limit</th> <th colspan="2">MPR (dB)</th>	650000	651666	Tune-up limit	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	12.49	12.67	12.50	14.3		0.0
Channel				648000 <th>650000</th> <th>652000</th> <th>Tune-up limit</th> <th colspan="2">MPR (dB)</th>	650000	652000	Tune-up limit	MPR (dB)	
Frequency (MHz)				3720 <th>3750</th> <th>3780</th> <th></th> <th colspan="2"></th>	3750	3780			
40	QPSK	1	1	12.45	12.50	12.58	14.3		0.0
Channel				647698 <th>650000</th> <th>652332</th> <th>Tune-up limit</th> <th colspan="2">MPR (dB)</th>	650000	652332	Tune-up limit	MPR (dB)	
Frequency (MHz)				3715.02 <th>3750</th> <th>3784.98</th> <th></th> <th colspan="2"></th>	3750	3784.98			
30	QPSK	1	1	12.56	12.48	12.56	14.3		0.0
Channel				647334 <th>650000</th> <th>652666</th> <th>Tune-up limit</th> <th colspan="2">MPR (dB)</th>	650000	652666	Tune-up limit	MPR (dB)	
Frequency (MHz)				3710.01 <th>3750</th> <th>3789.99</th> <th></th> <th colspan="2"></th>	3750	3789.99			
20	QPSK	1	1	12.45	12.52	12.45	14.3		0.0

Part270_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P12 BPSK	1	1	13.72			17.3	0.0	
100	P12 BPSK	1	137	16.47					
100	P12 BPSK	1	271	13.58					
100	P12 BPSK	135	0	16.36			17.3	0.0	
100	P12 BPSK	135	69	16.46			17.3	0.0	
100	P12 BPSK	135	138	16.33			17.3	0.0	
100	P12 BPSK	270	0	16.35			17.3	0.0	
100	QPSK	1	1	15.65					
100	QPSK	1	137	16.48			17.3	0.0	
100	QPSK	1	271	15.52					
100	QPSK	135	0	16.37					
100	QPSK	135	69	16.45			17.3	0.0	
100	QPSK	135	138	16.30			17.3	0.0	
100	QPSK	270	0	16.38			17.3	0.0	
100	16QAM	1	1	15.88			17.3	0.0	
100	64QAM	1	1	15.82			17.3	0.0	
100	256QAM	1	1	15.77			17.3	0.0	
Channel				649605	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	15.71	15.62	15.73	17.3	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	15.76	15.71	15.63	17.3	0.0	
Channel				648698	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	15.74	15.77	15.79	17.3	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	15.63	15.73	15.68	17.3	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.59	15.77	15.74	17.3	0.0	
Channel				647698	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	15.69	15.70	15.67	17.3	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	15.65	15.65	15.65	17.3	0.0	



Default Power for 5G NR SA

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	24.53	24.58	24.49			
20	Pi2 BPSK	1	53	24.34	24.43	24.31	25.5	0.0	
20	Pi2 BPSK	1	104	24.30	24.45	24.35			
20	Pi2 BPSK	50	0	23.83	23.95	23.92	25.0	0.5	
20	Pi2 BPSK	50	28	24.34	24.45	24.42	25.5	0.0	
20	Pi2 BPSK	50	56	23.95	23.99	23.82	25.0	0.5	
20	Pi2 BPSK	100	0	24.00	24.03	23.92			
20	QPSK	1	1	24.52	24.61	24.57			
20	QPSK	1	53	24.40	24.54	24.44	25.5	0.0	
20	QPSK	1	104	24.26	24.37	24.31			
20	QPSK	50	0	23.31	23.47	23.37	24.5	1.0	
20	QPSK	50	28	24.30	24.53	24.46	25.5	0.0	
20	QPSK	50	56	23.28	23.43	23.28	24.5	1.0	
20	QPSK	100	0	23.44	23.51	23.38			
20	16QAM	1	1	23.12	23.22	23.13	24.5	1.0	
20	64QAM	1	1	21.58	21.63	21.55	23.0	2.5	
20	256QAM	1	1	20.07	20.23	20.13	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.42	24.45	24.51	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.45	24.44	24.40	25.5	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.42	24.57	24.54	25.5	0.0	

n5_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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	23.91	24.07	24.00			
20	Pi2 BPSK	1	53	24.20	24.25	24.10	25.3	0.0	
20	Pi2 BPSK	1	104	23.96	24.07	23.91			
20	Pi2 BPSK	50	0	23.53	23.70	23.62	24.8	0.5	
20	Pi2 BPSK	50	28	24.14	24.24	24.10	25.3	0.0	
20	Pi2 BPSK	50	56	23.42	23.52	23.43	24.8	0.5	
20	Pi2 BPSK	100	0	23.56	23.64	23.51			
20	QPSK	1	1	23.88	23.98	23.84			
20	QPSK	1	53	24.00	24.30	24.12	25.3	0.0	
20	QPSK	1	104	23.95	24.05	24.00			
20	QPSK	50	0	23.20	23.23	23.08	24.3	1.0	
20	QPSK	50	28	24.05	24.25	24.10	25.3	0.0	
20	QPSK	50	56	22.87	22.92	22.79	24.3	1.0	
20	QPSK	100	0	23.01	23.10	22.91			
20	16QAM	1	1	22.59	22.73	22.60	24.3	1.0	
20	64QAM	1	1	21.26	21.35	21.25	22.8	2.5	
20	256QAM	1	1	19.86	19.97	19.86	20.8	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.02	24.07	24.01	25.3	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.01	24.17	24.05	25.3	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.90	24.10	23.99	25.3	0.0	

n7_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				505000	507000	509000			
Frequency (MHz)				2456	2455	2455			
50	Pi2 BPSK	1	1	24.63	24.68	24.56			
50	Pi2 BPSK	1	135	24.38	24.47	24.30	25.5	0.0	
50	Pi2 BPSK	1	268	24.35	24.51	24.42			
50	Pi2 BPSK	135	0	24.30	24.34	24.22	25.0	0.5	
50	Pi2 BPSK	135	68	24.52	24.68	24.52	25.5	0.0	
50	Pi2 BPSK	135	135	24.20	24.28	24.15	25.0	0.5	
50	Pi2 BPSK	270	0	24.32	24.34	24.28			
50	QPSK	1	1	24.72	24.77	24.70			
50	QPSK	1	135	24.54	24.66	24.55	25.5	0.0	
50	QPSK	1	268	24.36	24.47	24.42			
50	QPSK	135	0	23.70	23.72	23.61	24.5	1.0	
50	QPSK	135	68	24.67	24.72	24.67	25.5	0.0	
50	QPSK	135	135	23.55	23.72	23.58	24.5	1.0	
50	QPSK	270	0	23.51	23.70	23.58			
50	16QAM	1	1	22.94	23.08	23.07	24.5	1.0	
50	64QAM	1	1	21.61	21.67	21.49	23.0	2.5	
50	256QAM	1	1	20.29	20.31	20.20	21.0	4.5	
Channel				506000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2450	2455	2460	(dBm)	(dB)	
40	QPSK	1	1	24.67	24.65	24.56	25.5	0.0	
Channel				505000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2455	2455	2465	(dBm)	(dB)	
30	QPSK	1	1	24.60	24.72	24.62	25.5	0.0	
Channel				505500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2452.5	2455	2467.5	(dBm)	(dB)	
25	QPSK	1	1	24.62	24.60	24.57	25.5	0.0	
Channel				505000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2450	2455	2460	(dBm)	(dB)	
20	QPSK	1	1	24.55	24.73	24.54	25.5	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2457.5	2455	2462.5	(dBm)	(dB)	
15	QPSK	1	1	24.57	24.63	24.60	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2405	2455	2465	(dBm)	(dB)	
10	QPSK	1	1	24.65	24.67	24.67	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2402.5	2455	2467.5	(dBm)	(dB)	
5	QPSK	1	1	24.61	24.70	24.57	25.5	0.0	

n66_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				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	23.71	23.62	23.76	25.5	0.0	
40	PI2 BPSK	1	108	24.33	24.37	24.22			
40	PI2 BPSK	1	214	23.76	23.85	23.79			
40	PI2 BPSK	108	0	23.77	23.92	23.88	25.0	0.5	
40	PI2 BPSK	108	54	24.31	24.40	24.27	25.5	0.0	
40	PI2 BPSK	108	108	23.83	23.97	23.90	25.0	0.5	
40	PI2 BPSK	216	0	23.80	23.96	23.88			
40	QPSK	1	1	23.68	23.76	23.70		0.0	
40	QPSK	1	108	24.21	24.42	24.30	25.5		
40	QPSK	1	214	23.63	23.74	23.68	24.5	1.0	
40	QPSK	108	0	23.28	23.42	23.25	24.5		
40	QPSK	108	54	24.21	24.36	24.26	25.5		
40	QPSK	108	108	23.42	23.46	23.34	24.5	1.0	
40	QPSK	216	0	23.39	23.48	23.35	24.5	1.0	
40	16QAM	1	1	22.83	22.87	22.84	24.5	1.0	
40	64QAM	1	1	21.01	21.10	21.03	23.0	2.5	
40	256QAM	1	1	19.58	19.67	19.51	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	24.09	24.38	24.23	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)		
20	QPSK	1	1	24.06	24.39	24.12	25.5	0.0	
Channel				343000	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	24.11	24.31	24.13	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	24.05	24.38	24.26	25.5	0.0	
Channel				342000	349000	356000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	24.19	24.30	24.14	25.5	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				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	23.05	23.08	23.03	24.6	0.0	
40	PI2 BPSK	1	108	23.36	23.53	23.48			
40	PI2 BPSK	1	214	23.01	23.04	23.02			
40	PI2 BPSK	108	0	22.91	22.97	22.80	24.1	0.5	
40	PI2 BPSK	108	54	23.40	23.46	23.41	24.6	0.0	
40	PI2 BPSK	108	108	22.98	23.10	22.94	24.1	0.5	
40	PI2 BPSK	216	0	22.99	23.17	23.05			
40	QPSK	1	1	23.09	23.13	23.05		0.0	
40	QPSK	1	108	23.37	23.54	23.33	24.6		
40	QPSK	1	214	23.05	23.13	23.03	23.6	1.0	
40	QPSK	108	0	22.98	22.51	22.51	23.6		
40	QPSK	108	54	23.34	23.47	23.30	24.6		
40	QPSK	108	108	22.57	22.57	22.54	23.6	1.0	
40	QPSK	216	0	22.96	23.00	22.50	23.6	1.0	
40	16QAM	1	1	22.13	22.23	22.08	23.6	1.0	
40	64QAM	1	1	20.63	20.79	20.72	22.1	2.5	
40	256QAM	1	1	18.64	18.77	18.69	20.1	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	23.25	23.36	23.22	24.6	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)		
20	QPSK	1	1	23.30	23.43	23.25	24.6	0.0	
Channel				343000	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	23.25	23.41	23.17	24.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	23.22	23.42	23.18	24.6	0.0	
Channel				342000	349000	356000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	23.27	23.47	23.22	24.6	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)	MRR (dB)
Channel				346000	346000	350000	25.1	0.0
Frequency (MHz)				1745	1745	1750		
40	PI2 BPSK	1	1	23.54	23.63	23.50		
40	PI2 BPSK	1	108	24.06	24.17	24.15	26.1	0.0
40	PI2 BPSK	1	214	23.85	23.71	23.82		
40	PI2 BPSK	108	0	23.38	23.45	23.42		
40	PI2 BPSK	108	54	24.07	24.21	24.09	25.1	0.9
40	PI2 BPSK	108	108	23.83	23.80	23.71	24.6	0.5
40	PI2 BPSK	216	0	23.72	23.82	23.80		
40	QPSK	1	1	23.52	23.57	23.44		
40	QPSK	1	108	24.01	24.24	24.12	25.1	0.0
40	QPSK	1	214	23.45	23.65	23.43	24.1	1.0
40	QPSK	108	0	23.04	23.21	23.18		
40	QPSK	108	54	24.01	24.22	24.10		
40	QPSK	108	108	23.10	23.21	23.12	24.1	1.0
40	QPSK	216	0	23.07	23.23	23.11	24.1	1.0
40	16QAM	1	1	22.33	22.37	22.27		
40	64QAM	1	1	20.69	20.85	20.68		
40	256QAM	1	1	19.31	19.48	19.30	22.6	4.5
Channel				349000	349000	352000	Tune-up limit	
Frequency (MHz)				1725	1745	1765	(dBm)	
30	QPSK	1	1	23.95	24.11	24.01	25.1	0.0
Channel				344000	349000	354000	Tune-up limit	
Frequency (MHz)				1720	1745	1770	(dBm)	
20	QPSK	1	1	23.95	24.13	23.95	25.1	0.0
Channel				343000	349000	354000	Tune-up limit	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	
15	QPSK	1	1	23.96	24.21	24.09	25.1	0.0
Channel				343000	349000	355000	Tune-up limit	
Frequency (MHz)				1715	1745	1775	(dBm)	
10	QPSK	1	1	23.92	24.08	23.99	25.1	0.0
Channel				342900	349000	355000	Tune-up limit	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	
5	QPSK	1	1	23.89	24.09	24.04	25.1	0.0

n66_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	23.7	0.0
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	22.41	22.53	22.49		
40	PI2 BPSK	1	108	23.05	23.11	22.95	23.7	0.5
40	PI2 BPSK	1	214	22.35	22.52	22.44		
40	PI2 BPSK	108	0	22.52	22.85	22.58		
40	PI2 BPSK	108	54	22.91	23.03	22.93	23.7	0.9
40	PI2 BPSK	108	108	22.56	22.73	22.61	23.2	0.5
40	PI2 BPSK	216	0	22.68	22.76	22.61		
40	QPSK	1	1	22.29	22.43	22.39		
40	QPSK	1	108	22.56	22.15	22.11	23.7	0.0
40	QPSK	1	214	22.46	22.53	22.44		
40	QPSK	108	0	22.02	22.15	22.04		
40	QPSK	108	54	22.34	22.12	22.06	23.7	0.0
40	QPSK	108	108	22.12	22.18	22.05		
40	QPSK	216	0	22.12	22.26	22.10		
40	16QAM	1	1	21.14	21.27	21.16	22.7	1.0
40	64QAM	1	1	19.62	19.71	19.54		
40	256QAM	1	1	18.14	18.30	18.16		
Channel				345000	349000	353000	Tune-up limit	
Frequency (MHz)				1725	1745	1765	(dBm)	
30	QPSK	1	1	22.90	22.97	23.01	23.7	0.0
Channel				344000	349000	354000	Tune-up limit	
Frequency (MHz)				1720	1745	1770	(dBm)	
20	QPSK	1	1	22.84	22.99	23.03	23.7	0.0
Channel				343000	349000	354000	Tune-up limit	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	
15	QPSK	1	1	22.87	23.09	22.98	23.7	0.0
Channel				343000	349000	355000	Tune-up limit	
Frequency (MHz)				1715	1745	1775	(dBm)	
10	QPSK	1	1	22.86	23.02	22.95	23.7	0.0
Channel				342900	349000	355000	Tune-up limit	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	
5	QPSK	1	1	22.85	23.07	22.93	23.7	0.0



n38_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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	24.30	24.35	24.17	25.5	0.0	
40	Pl2 BPSK	1	53	24.80	24.63	24.76			
40	Pl2 BPSK	1	104	24.22	24.37	24.25			
40	Pl2 BPSK	50	0	24.03	24.14	24.11	25.0	0.5	
40	Pl2 BPSK	50	28	24.77	24.84	24.69	25.5	0.0	
40	Pl2 BPSK	50	56	24.00	24.16	24.01	25.0	0.5	
40	Pl2 BPSK	100	0	24.18	24.26	24.17			
40	QPSK	1	1	24.17	24.30	24.23			
40	QPSK	1	53	24.75	24.65	24.70	25.5	0.0	
40	QPSK	1	104	24.41	24.51	24.48	25.5	0.0	
40	QPSK	50	0	23.86	23.69	23.59			
40	QPSK	50	28	23.70	24.82	23.67			
40	QPSK	50	56	23.80	23.68	23.52	24.5	1.0	
40	QPSK	100	0	23.57	23.72	23.54			
40	8QAM	1	1	22.96	23.11	23.03	24.5	1.0	
40	8QAM	1	1	21.44	21.61	21.58	23.0	2.5	
40	256QAM	1	1	20.20	20.24	20.12	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2583.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	24.59	24.75	24.53	25.5	0.0	
Channel				518000	519000	520000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	24.70	24.79	24.63	25.5	0.0	

n38_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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	23.21	23.26	23.23	24.9	0.0	
40	Pl2 BPSK	1	53	23.42	23.58	23.44			
40	Pl2 BPSK	1	104	23.34	23.50	23.43			
40	Pl2 BPSK	50	0	22.90	22.97	22.80	24.4	0.5	
40	Pl2 BPSK	50	28	23.53	23.62	23.48	24.9	0.0	
40	Pl2 BPSK	50	56	23.07	23.18	23.15	24.4	0.5	
40	Pl2 BPSK	100	0	23.11	23.23	23.06			
40	QPSK	1	1	23.06	23.09	23.05			
40	QPSK	1	53	23.55	23.69	23.53	24.9	0.0	
40	QPSK	1	104	23.12	23.15	23.09	24.9	0.0	
40	QPSK	50	0	22.37	22.41	22.31			
40	QPSK	50	28	23.54	23.65	23.61			
40	QPSK	50	56	22.39	22.42	22.37	23.9	1.0	
40	QPSK	100	0	22.42	22.50	22.46			
40	8QAM	1	1	22.04	22.10	22.09	23.9	1.0	
40	8QAM	1	1	20.53	20.60	20.58	22.4	2.5	
40	256QAM	1	1	18.88	19.04	18.92	20.4	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2583.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.47	23.66	23.37	24.9	0.0	
Channel				518000	519000	520000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	23.44	23.57	23.39	24.9	0.0	

n38_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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	23.79	23.75	23.70	25.7	0.0	
40	Pl2 BPSK	1	53	24.05	24.16	24.05			
40	Pl2 BPSK	1	104	24.00	24.14	24.02			
40	Pl2 BPSK	50	0	23.47	23.53	23.43	25.2	0.5	
40	Pl2 BPSK	50	28	24.02	24.20	24.17	25.7	0.0	
40	Pl2 BPSK	50	56	24.18	24.18	24.12	25.2	0.5	
40	Pl2 BPSK	100	0	23.55	23.63	23.55			
40	QPSK	1	1	23.75	23.73	23.75			
40	QPSK	1	53	24.06	24.25	24.10	25.7	0.0	
40	QPSK	1	104	23.72	23.76	23.78	25.7	0.0	
40	QPSK	50	0	23.01	23.01	23.03			
40	QPSK	50	28	23.00	25.21	23.13			
40	QPSK	50	56	23.04	23.09	23.02	24.7	1.0	
40	QPSK	100	0	23.02	23.13	23.03			
40	8QAM	1	1	22.70	22.82	22.74	24.7	1.0	
40	8QAM	1	1	21.22	21.21	21.27	23.2	2.5	
40	256QAM	1	1	19.63	19.67	19.63	21.2	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2583.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.98	24.07	23.97	25.7	0.0	
Channel				518000	519000	520000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	24.03	24.19	24.11	25.7	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2560.02	2565	2569.98			
40	PI2 BPSK	1	1	23.01	23.06	22.93	24.6		
40	PI2 BPSK	1	63	23.52	23.52	23.54			
40	PI2 BPSK	1	104	23.03	23.16	23.11			
40	PI2 BPSK	50	0	22.67	22.83	22.72	24.1	0.5	
40	PI2 BPSK	50	26	23.36	23.51	23.43	24.6	0.0	
40	PI2 BPSK	50	56	22.78	22.63	22.77	24.1	0.5	
40	PI2 BPSK	100	0	22.83	22.96	22.87			
40	QPSK	1	1	22.92	22.95	22.87			
40	QPSK	1	63	23.47	23.55	23.54	24.6	0.0	
40	QPSK	1	104	22.99	23.08	22.92	24.6		
40	QPSK	50	0	22.27	22.36	22.26			
40	QPSK	50	26	23.47	23.51	23.42			
40	QPSK	50	56	22.35	22.41	22.24	23.6	1.0	
40	QPSK	100	0	22.34	22.43	22.33			
40	16QAM	1	1	21.74	21.82	21.71		23.9	
40	64QAM	1	1	20.17	20.34	20.31	22.1	2.5	
40	256QAM	1	1	18.86	18.92	18.90	20.1	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2265.01	2266	2264.99	(dBm)		
30	QPSK	1	1	23.42	23.38	23.43	24.6	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)		
20	QPSK	1	1	23.36	23.43	23.41	24.6	0.0	

n41_FCC_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				509202	518998	520600			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.64	23.68	23.59	25.5	0.0	
100	PI2 BPSK	1	137	24.58	24.72	24.55			
100	PI2 BPSK	1	271	23.66	23.69	23.57			
100	PI2 BPSK	135	0	23.92	24.02	23.91	25.0	0.5	
100	PI2 BPSK	135	69	24.66	24.76	24.65	25.5	0.0	
100	PI2 BPSK	135	138	23.81	23.92	23.87	25.0	0.5	
100	PI2 BPSK	270	0	23.82	23.89	23.88			
100	QPSK	1	1	23.56	23.62	23.58			
100	QPSK	1	137	24.59	24.87	24.71	25.5	0.0	
100	QPSK	1	271	23.57	23.72	23.60	25.5		
100	QPSK	135	0	23.53	23.62	23.51			
100	QPSK	135	69	24.54	24.78	24.54			
100	QPSK	135	138	23.54	23.58	23.56	24.5	1.0	
100	QPSK	270	0	23.40	23.56	23.40			
100	16QAM	1	1	22.52	22.61	22.55		24.5	
100	64QAM	1	1	21.08	21.17	21.15	23.0	2.5	
100	256QAM	1	1	19.44	19.56	19.49	21.0	4.5	
Channel				509200	518998	520996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	24.43	24.79	24.61	25.5	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	(dBm)		
80	QPSK	1	1	24.55	24.74	24.63	25.5	0.0	
Channel				505200	518998	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526.02	2592.99	2658.98	(dBm)		
60	QPSK	1	1	24.53	24.79	24.67	25.5	0.0	
Channel				504204	518998	522004	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	QPSK	1	1	24.43	24.78	24.66	25.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	QPSK	1	1	24.45	24.71	24.64	25.5	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	24.56	24.80	24.57	25.5	0.0	
Channel				501204	518998	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	QPSK	1	1	24.47	24.63	24.66	25.5	0.0	

n41_FCC_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				506202	518998	520600			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.06	23.10	23.08	24.9	0.0	
100	PI2 BPSK	1	137	23.56	23.60	23.52			
100	PI2 BPSK	1	271	23.01	23.10	23.03			
100	PI2 BPSK	135	0	22.81	22.90	22.76	24.4	0.5	
100	PI2 BPSK	135	69	23.51	23.65	23.60	24.9	0.0	
100	PI2 BPSK	135	138	22.61	22.75	22.62	24.4	0.5	
100	PI2 BPSK	270	0	22.76	22.82	22.71			
100	QPSK	1	1	23.10	23.23	23.17			
100	QPSK	1	137	23.57	23.70	23.60	24.9	0.0	
100	QPSK	1	271	23.19	23.27	23.13	24.9		
100	QPSK	135	0	23.34	23.38	23.33			
100	QPSK	135	69	23.47	23.62	23.50			
100	QPSK	135	138	22.22	22.26	22.16	23.9	1.0	
100	QPSK	270	0	22.56	22.55	22.52			
100	16QAM	1	1	22.07	22.28	22.16		23.9	
100	64QAM	1	1	20.59	20.74	20.64	22.4	2.5	
100	256QAM	1	1	18.60	18.70	18.66	20.4	4.5	
Channel				506200	518998	520996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	23.40	23.67	23.48	24.9	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2648.99	(dBm)		
80	QPSK	1	1	23.47	23.64	23.52	24.9	0.0	
Channel				505200	518998	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526.02	2592.99	2658.98	(dBm)		
60	QPSK	1	1	23.39	23.65	23.44	24.9	0.0	
Channel				504204	518998	522004	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	QPSK	1	1	23.51	23.59	23.45	24.9	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	QPSK	1	1	23.49	23.55	23.45	24.9	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	23.42	23.57	23.45	24.9	0.0	
Channel				501204	518998	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	QPSK	1	1	23.47	23.61	23.56	24.9	0.0	

n41_FCC_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)				256.01	2592.99				
100	PI2 BPSK	1	1	23.71	23.78	23.76	25.7	0.0	
100	PI2 BPSK	1	137	24.12	24.16	23.99			
100	PI2 BPSK	1	271	23.80	23.82	23.74			
100	PI2 BPSK	135	0	23.52	23.64	23.58	25.2	0.5	
100	PI2 BPSK	135	69	24.12	24.22	24.21	25.7	0.0	
100	PI2 BPSK	135	138	23.57	23.55	23.50	25.2	0.5	
100	PI2 BPSK	270	0	23.51	23.54	23.51			
100	QPSK	1	1	23.76	23.83	23.72			
100	QPSK	1	137	24.05	24.27	24.05	25.7	0.0	
100	QPSK	1	271	23.77	23.81	23.79			
100	QPSK	135	0	23.52	23.32	23.26			
100	QPSK	135	69	24.05	24.21	24.05	25.7	0.0	
100	QPSK	135	138	23.21	23.32	23.23			
100	QPSK	270	0	23.06	23.11	23.02	24.7	1.0	
100	16QAM	1	1	22.73	22.75	22.72	24.7	1.0	
100	64QAM	1	1	21.22	21.34	21.26	23.2	2.5	
100	256QAM	1	1	18.25	18.32	18.29	21.2	4.5	
Channel									
Frequency (MHz)				2561 <th>2592.99<th>2644.98</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2592.99 <th>2644.98</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.96	24.14	24.04	25.7	0.0	
Channel									
Frequency (MHz)				2536.02 <th>2592.99<th>2649.99</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2592.99 <th>2649.99</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.96	24.20	23.96	25.7	0.0	
Channel									
Frequency (MHz)				2500.00 <th>2592.99<th>2639.98</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2592.99 <th>2639.98</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2639.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.90	24.17	23.94	25.7	0.0	
Channel									
Frequency (MHz)				2502.03 <th>2592.99<th>2639.98</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2592.99 <th>2639.98</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2639.98	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.92	24.13	24.01	25.7	0.0	
Channel									
Frequency (MHz)				2502.02 <th>2598.96<th>2640.00<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	2598.96 <th>2640.00<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2640.00 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	24.01	24.10	24.01	25.7	0.0	
Channel									
Frequency (MHz)				2502.00 <th>2598.96<th>2649.96</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2598.96 <th>2649.96</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2649.96	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.11	25.92	26.74	25.7	0.0	
Channel									
Frequency (MHz)				2506.02 <th>2592.99<th>2679.99</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2592.99 <th>2679.99</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.84	24.14	23.90	25.7	0.0	

n41_FCC_Ant 3									
BW (MHz)	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)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.67	22.65	22.63	24.6	0.0	
100	PI2 BPSK	1	137	23.42	23.45	23.42			
100	PI2 BPSK	1	271	22.66	22.78	22.66			
100	PI2 BPSK	135	0	22.67	22.73	22.66	24.1	0.5	
100	PI2 BPSK	135	69	23.38	23.48	23.33	24.6	0.0	
100	PI2 BPSK	135	138	22.59	22.71	22.68	24.1	0.5	
100	PI2 BPSK	270	0	22.59	22.75	22.61			
100	QPSK	1	1	22.62	22.61	22.66			
100	QPSK	1	137	23.37	23.57	23.32	24.6	0.0	
100	QPSK	1	271	22.61	22.72	22.61			
100	QPSK	135	0	22.32	22.38	22.29			
100	QPSK	135	69	23.35	23.53	23.35	24.6	0.0	
100	QPSK	135	138	22.33	22.48	22.43			
100	QPSK	270	0	22.23	22.35	22.16	23.6	1.0	
100	16QAM	1	1	21.69	21.62	21.61	23.6	1.0	
100	64QAM	1	1	20.17	20.15	20.10	22.1	2.5	
100	256QAM	1	1	18.25	18.40	18.29	20.1	4.5	
Channel									
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.24	23.52	23.19	24.6	0.0	
Channel									
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.17	23.54	23.20	24.6	0.0	
Channel									
Frequency (MHz)				2535.00	2592.99	2649.98			
60	QPSK	1	1	23.23	23.53	23.25	24.6	0.0	
Channel									
Frequency (MHz)				2524.01	2592.99	2649.99			
50	QPSK	1	1	23.24	23.40	23.25	24.6	0.0	
Channel									
Frequency (MHz)				2522.02	2592.99	2642.00			
40	QPSK	1	1	23.14	23.13	23.25	24.6	0.0	
Channel									
Frequency (MHz)				2522.00	2592.99	2642.00			
30	QPSK	1	1	23.23	23.50	23.22	24.6	0.0	
Channel									
Frequency (MHz)				2516.02	2592.99	2639.99			
20	QPSK	1	1	23.23	23.45	23.23	24.6	0.0	

Part27Q_n77_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)											
100	PI2 BPSK	1	1	23.54			25.4	0.0			
100	PI2 BPSK	1	137	24.78							
100	PI2 BPSK	1	271	23.52							
100	PI2 BPSK	135	0	24.46			25.4	0.0			
100	PI2 BPSK	135	69	24.62			25.4	0.0			
100	PI2 BPSK	135	138	24.66			25.4	0.0			
100	PI2 BPSK	270	0	24.65							
100	QPSK	1	1	23.97							
100	QPSK	1	137	24.63			25.4	0.0			
100	QPSK	1	271	23.73							
100	QPSK	135	0	24.62							
100	QPSK	135	69	24.81			25.4	0.0			
100	QPSK	135	138	24.60							
100	QPSK	270	0	24.56			24.9	0.5			
100	16QAM	1	1	23.68			24.4	1.0			
100	64QAM	1	1	23.72			24.4	1.0			
100	256QAM	1	1	22.75			23.9	1.5			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.52	23.59	23.93	25.4	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	23.74	23.73	23.71	25.4	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	23.86	23.87	23.78	25.4	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.97	23.93	23.88	25.4	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.73	23.72	23.71	25.4	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	24.19	24.11	24.01	25.4	0.0			

Part27Q_n77(HPUE)_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)									
100	PI2 BPSK	1	1	63332	3499.98		28.4	0.0	
100	PI2 BPSK	1	137		26.62				
100	PI2 BPSK	1	271		26.95				
100	PI2 BPSK	1	271		25.54				
100	PI2 BPSK	135	0		26.91		27.9	0.5	
100	PI2 BPSK	135	69		26.89		28.4	0.0	
100	PI2 BPSK	135	138		26.80			0.5	
100	PI2 BPSK	270	0		26.82		27.9		
100	QPSK	1	1		26.59				
100	QPSK	1	137		27.00		28.4	0.0	
100	QPSK	1	271		26.52				
100	QPSK	135	0		26.98				
100	QPSK	135	69		26.97		28.4	0.0	
100	QPSK	135	138		26.50				
100	QPSK	270	0		26.50		27.4	1.0	
100	16QAM	1	1		26.62		27.4	1.0	
100	64QAM	1	1		24.47		25.9	2.5	
100	256QAM	1	1		22.40		23.9	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	633000	633332	633986	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	3492	3499.98	3504.09	28.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633332	634000	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	3460.02	3499.98	3510	28.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	630688	633332	634000	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	26.82	26.76	26.50	28.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631098	633332	636000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	26.95	26.83	26.51	28.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635032	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	3470.01	3499.98	3505.98	28.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633332	636000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	3460.02	3499.98	3540	28.4	0.0	

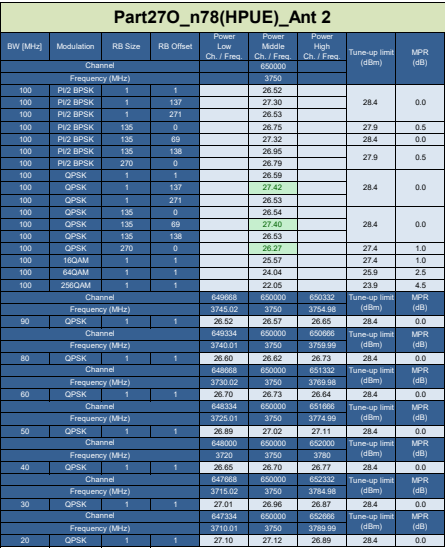
Part27O_n77_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3840	3930	25.4	0.0	
100	PI2 BPSK	1	137	23.55	23.62	23.59			
100	PI2 BPSK	1	271	24.45	24.49	24.42			
100	PI2 BPSK	1	271	23.51	23.71	23.58			
100	PI2 BPSK	135	0	24.15	24.38	24.17	25.4	0.0	
100	PI2 BPSK	135	69	24.36	24.45	24.33	25.4	0.0	
100	PI2 BPSK	135	138	24.27	24.30	24.25		0.0	
100	PI2 BPSK	270	0	24.20	24.39	24.10	25.4		
100	QPSK	1	1	23.58	23.63	23.55			
100	QPSK	1	137	24.50	24.52	24.40	25.4	0.0	
100	QPSK	1	271	23.56	23.73	23.55			
100	QPSK	135	0	24.26	24.26	24.26			
100	QPSK	135	69	24.47	24.50	24.44	25.4	0.0	
100	QPSK	135	138	24.36	24.35	24.28			
100	QPSK	270	0	24.13	24.22	24.21	24.9	0.5	
100	16QAM	1	1	23.07	23.27	23.15	24.4	1.0	
100	64QAM	1	1	23.10	23.21	23.20	24.4	1.0	
100	256QAM	1	1	22.25	22.33	22.22	23.9	1.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649888	650000	650232	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	3345.02	3840	3934.98	25.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650866	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	3740.01	3840	3939.99	25.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	650966	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	3730.02	3840	3949.98	25.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648000	650000	654000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	23.98	24.05	24.00	25.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647334	650000	654966	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	3725.01	3840	3954.99	25.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	654966	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	3710.01	3840	3969.99	25.4	0.0	

Part27O_n77(HPUE)_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)									
100	PI2 BPSK	1	1	3750	3840	3930	28.4	0.0	
100	PI2 BPSK	1	137	26.56	26.57	26.64			
100	PI2 BPSK	1	271	27.47	27.47	27.42			
100	PI2 BPSK	1	271	26.81	26.61	26.62			
100	PI2 BPSK	135	0	26.84	27.04	27.01	27.9	0.5	
100	PI2 BPSK	135	69	27.40	27.45	27.47	28.4	0.0	
100	PI2 BPSK	135	138	27.11	27.12	27.05		0.5	
100	PI2 BPSK	270	0	26.89	26.94	26.98	27.9		
100	QPSK	1	1	26.50	26.52	26.58			
100	QPSK	1	137	27.51	27.48	27.40	28.4	0.0	
100	QPSK	1	271	26.54	26.60	26.60			
100	QPSK	135	0	26.91	26.94	26.91			
100	QPSK	135	69	27.57	27.45	27.57	28.4	0.0	
100	QPSK	135	138	26.53	26.58	26.50			
100	QPSK	270	0	26.29	26.40	26.33	27.4	1.0	
100	16QAM	1	1	25.53	25.61	25.96	27.4	1.0	
100	64QAM	1	1	24.05	24.18	24.12	25.9	2.5	
100	256QAM	1	1	22.02	22.11	22.05	23.9	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649888	650000	650232	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	3345.02	3840	3934.98	26.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650866	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	3740.01	3840	3939.99	26.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	650966	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	3730.02	3840	3949.98	26.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648000	650000	654000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	27.10	27.16	27.07	28.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647334	650000	654966	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	3725.01	3840	3954.99	28.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	654966	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	3710.01	3840	3969.99	28.4	0.0	

Part27Q_n78_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					633332				
Frequency (MHz)					3469.08				
100	PI2 BPSK	1	1		23.52				
100	PI2 BPSK	1	137		24.65		25.4	0.0	
100	PI2 BPSK	1	271		23.53				
100	PI2 BPSK	135	0		24.67		25.4	0.0	
100	PI2 BPSK	135	69		24.70		25.4	0.0	
100	PI2 BPSK	135	138		24.62		25.4	0.0	
100	PI2 BPSK	270	0		24.62				
100	QPSK	1	1		23.98				
100	QPSK	1	137		24.72		25.4	0.0	
100	QPSK	1	271		23.59				
100	QPSK	135	0		24.64				
100	QPSK	135	69		24.70		25.4	0.0	
100	QPSK	135	138		24.60				
100	QPSK	270	0		24.54		24.9	0.5	
100	16QAM	1	1		23.21		24.4	1.0	
100	64QAM	1	1		23.25		24.4	1.0	
100	256QAM	1	1		22.34		23.9	1.5	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.08	3504.99			
90	QPSK	1	1	23.56	23.65	23.71	25.4	0.0	
Channel				3469.02	3469.98	3510	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.02	3469.98	3510			
80	QPSK	1	1	23.81	23.79	23.62	25.4	0.0	
Channel				632000	633332	634608	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3469.08	3519.99			
60	QPSK	1	1	23.86	23.91	23.62	25.4	0.0	
Channel				631696	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.08	3525			
50	QPSK	1	1	24.06	24.11	23.95	25.4	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.08	3529.98			
40	QPSK	1	1	23.90	23.92	23.80	25.4	0.0	
Channel				631000	633332	635696	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.08	3534.99			
30	QPSK	1	1	23.89	24.12	24.00	25.4	0.0	
Channel				630996	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1	24.30	24.26	24.04	25.4	0.0	

Part27Q_n78(HPUE)_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				633332	633996				
Frequency (MHz)					3469.98				
100	PI2 BPSK	1	1		26.51				
100	PI2 BPSK	1	137		26.56		28.4	0.0	
100	PI2 BPSK	1	271		26.57				
100	PI2 BPSK	135	0		26.87		27.9	0.5	
100	PI2 BPSK	135	69		26.92		28.4	0.0	
100	PI2 BPSK	135	138		26.81		27.9	0.5	
100	PI2 BPSK	270	0		26.54				
100	QPSK	1	1		26.65				
100	QPSK	1	137		26.97		28.4	0.0	
100	QPSK	1	271		26.52				
100	QPSK	135	0		26.54				
100	QPSK	135	69		26.95		28.4	0.0	
100	QPSK	135	138		26.51				
100	QPSK	270	0		26.52		27.4	1.0	
100	16QAM	1	1		25.63		27.4	1.0	
100	64QAM	1	1		24.37		25.9	2.5	
100	256QAM	1	1		22.33		23.9	4.5	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469	3469.98	3504.99			
90	QPSK	1	1	26.75	26.63	26.60	28.4	0.0	
Channel				632688	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3469.98	3504.99			
80	QPSK	1	1	26.80	26.80	26.82	28.4	0.0	
Channel				632000	633332	634608	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3468	3469.98	3519.99			
60	QPSK	1	1	26.66	26.73	26.70	28.4	0.0	
Channel				631696	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.98	3525			
50	QPSK	1	1	26.65	26.67	26.58	28.4	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3529.99			
40	QPSK	1	1	26.70	26.80	26.73	28.4	0.0	
Channel				631000	633332	635696	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3534.99			
30	QPSK	1	1	26.87	26.62	26.78	28.4	0.0	
Channel				630996	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3549			
20	QPSK	1	1	26.92	26.65	26.90	28.4	0.0	

Part27O_n78_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				649998	650000	650332			
Frequency (MHz)				3745.00	3750	3764.08			
100	PI2 BPSK	1	1		23.54				
100	PI2 BPSK	1	137		24.39		25.4	0.0	
100	PI2 BPSK	1	271		23.53				
100	PI2 BPSK	135	0		24.14		25.4	0.0	
100	PI2 BPSK	135	69		24.36		25.4	0.0	
100	PI2 BPSK	135	138		24.12		25.4	0.0	
100	PI2 BPSK	270	0		24.19				
100	QPSK	1	1		23.50				
100	QPSK	1	137		24.40		25.4	0.0	
100	QPSK	1	271		23.54				
100	QPSK	135	0		24.06				
100	QPSK	135	69		24.37		25.4	0.0	
100	QPSK	135	138		24.21				
100	QPSK	270	0		24.22		24.9	0.5	
100	16QAM	1	1		22.95		24.4	1.0	
100	64QAM	1	1		23.03		24.4	1.0	
100	256QAM	1	1		22.08		23.9	1.5	
Channel				649998	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.00	3750	3764.08			
90	QPSK	1	1	23.57	23.60	23.72	25.4	0.0	
Channel				649334	650000	650696	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3769.99			
80	QPSK	1	1	23.68	23.75	23.72	25.4	0.0	
Channel				648698	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.08			
60	QPSK	1	1	23.68	23.87	23.75	25.4	0.0	
Channel				648034	650000	651996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	23.85	23.93	24.02	25.4	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.75	23.85	23.97	25.4	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.00	3750	3784.08			
30	QPSK	1	1	24.17	24.05	23.85	25.4	0.0	
Channel				647214	650000	652600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.07	24.21	24.11	25.4	0.0	



Part27Q_n77_Ant 4							
IMN [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				3499.58	6353.52		
							Turn-up limit (dBm)
100	PV2 BPSK	1	1	21.68			
100	PV2 BPSK	1	137	22.35			23.3
100	PV2 BPSK	1	231	21.45			0.0
100	PV2 BPSK	136	0	22.28			23.3
100	PV2 BPSK	136	69	22.32			23.3
100	PV2 BPSK	136	136	22.22			23.3
100	PV2 BPSK	270	0	22.30			22.8
100	QPSK	1	1	21.58			23.3
100	QPSK	1	137	22.37			0.0
100	QPSK	1	271	21.45			23.3
100	QPSK	136	0	22.32			23.3
100	QPSK	136	69	22.36			23.3
100	QPSK	136	136	22.27			23.3
100	QPSK	270	0	22.30			22.8
100	ISQAM	1	1	21.41			22.3
100	ISQAM	1	1	21.58			1.0
100	256QAM	1	1	20.34			21.8
Channel				635000	635352	636666	Turn-up limit (dBm)
Frequency (MHz)				3495	3499.58		MPR (dB)
90	QPSK	1	1	21.58	24.87		23.3
Channel				635666	635352	635000	Turn-up limit (dBm)
Frequency (MHz)				3490.02	3499.58	3510	MPR (dB)
80	QPSK	1	1	21.57	21.72	21.86	23.3
Channel				635200	635352	634666	Turn-up limit (dBm)
Frequency (MHz)				3480	3499.58	3515.86	MPR (dB)
60	QPSK	1	1	21.99	21.93	21.81	23.3
Channel				631668	635352	635000	Turn-up limit (dBm)
Frequency (MHz)				3470.02	3499.58	3520	MPR (dB)
50	QPSK	1	1	21.72	21.91	21.80	23.3
Channel				631354	635352	635352	Turn-up limit (dBm)
Frequency (MHz)				3470.01	3499.58	3529.98	MPR (dB)
40	QPSK	1	1	21.82	21.76	21.71	23.3
Channel				635666	635352	635000	Turn-up limit (dBm)
Frequency (MHz)				3480.02	3499.58	3540	MPR (dB)
20	QPSK	1	1	22.02	22.13	21.97	23.3

Part27Q_n77(HPUe)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (dftm)	MPR (db)	
Channel				635532	635532				
Frequency (MHz)				3499.18					
100	P1/2 BPSK	1	1	24.32					
100	P1/2 BPSK	1	137	24.29			26.3	0.0	
100	P1/2 BPSK	1	231	25.20					
100	P1/2 BPSK	136	0	24.84			26.8	0.5	
100	P1/2 BPSK	136	69	24.99			26.8	0.0	
100	P1/2 BPSK	136	136	24.77			26.3	0.5	
100	P1/2 BPSK	270	0	25.78					
100	QPSK	1	1	24.52					
100	QPSK	1	137	25.33			26.3	0.0	
100	QPSK	1	271	24.38					
100	QPSK	136	0	24.32					
100	QPSK	136	69	25.38			26.3	0.0	
100	QPSK	136	136	25.20					
100	QPSK	270	0	24.21			26.3	1.0	
100	16QAM	1	1	24.17			25.3	1.0	
100	64QAM	1	1	23.58			23.5	2.5	
100	256QAM	1	1	20.30			21.8	4.5	
Channel				635000	635332	635666	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3465	3499.18	3504.99			
90	QPSK	1	1	24.52	24.47	24.83	26.3	0.0	
Channel				635000	635332	635666	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3460.02	3499.98	3510			
80	QPSK	1	1	24.72	24.65	24.62	26.3	0.0	
Channel				635000	635332	634696	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3460	3499.18	3515.86			
60	QPSK	1	1	24.68	24.74	24.60	26.3	0.0	
Channel				631668	635332	636500	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3475.57	3499.98	3520			
50	QPSK	1	1	24.65	24.81	24.90	26.3	0.0	
Channel				631354	635332	635332	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3470.01	3499.98	3509.98			
40	QPSK	1	1	24.67	24.62	24.73	26.3	0.0	
Channel				635000	635332	635000	Turn-up time (dftm)	MPR (db)	
Frequency (MHz)				3480.02	3499.98	3540			
20	QPSK	1	1	25.00	25.06	24.98	26.3	0.0	

Part270_n77_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				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	21.00	21.06	21.04			
100	PI2 BPSK	1	137	22.01	22.12	22.05	23.3	0.0	
100	PI2 BPSK	1	271	21.01	21.16	21.08			
100	PI2 BPSK	135	0	21.73	21.78	21.75	23.3	0.0	
100	PI2 BPSK	135	69	22.04	22.06	22.03	23.3	0.0	
100	PI2 BPSK	135	138	21.89	21.99	21.94	23.3	0.0	
100	PI2 BPSK	270	0	21.85	21.89	21.89			
100	QPSK	1	1	21.02	21.08	21.06			
100	QPSK	1	137	22.06	22.17	22.11	23.3	0.0	
100	QPSK	1	271	21.04	21.27	21.16			
100	QPSK	135	0	21.98	21.80	21.72			
100	QPSK	135	69	21.95	22.15	22.07	23.3	0.0	
100	QPSK	135	138	21.91	21.91	21.98			
100	QPSK	270	0	21.83	21.99	21.87	22.8	0.5	
100	16QAM	1	1	20.67	20.83	20.69	22.3	1.0	
100	64QAM	1	1	20.85	20.89	20.72	22.3	1.0	
100	256QAM	1	1	19.86	19.97	19.84	21.8	1.5	
Channel				649988	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.08			
50	QPSK	1	1	21.01	21.05	21.07	23.3	0.0	
Channel				649334	650000	662066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	21.27	21.22	21.31	23.3	0.0	
Channel				649500	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98			
60	QPSK	1	1	21.24	21.26	21.27	23.3	0.0	
Channel				649334	650000	663066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	21.58	21.61	21.62	23.3	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.35	21.40	21.43	23.3	0.0	
Channel				647334	650000	664966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	21.31	21.35	21.37	23.3	0.0	

Part270_n77(HPUE)_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				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	24.09	24.08	24.18			
100	PI2 BPSK	1	137	25.02	25.08	25.02	26.3	0.0	
100	PI2 BPSK	1	271	24.02	24.19	24.02			
100	PI2 BPSK	135	0	24.31	24.32	24.81	25.8	0.5	
100	PI2 BPSK	135	69	25.08	25.07	25.07	26.3	0.0	
100	PI2 BPSK	135	138	24.41	24.56	24.70	25.8	0.5	
100	PI2 BPSK	270	0	24.31	24.39	24.68			
100	QPSK	1	1	24.08	24.12	24.03			
100	QPSK	1	137	25.04	25.15	25.10	26.3	0.0	
100	QPSK	1	271	24.05	24.21	24.29			
100	QPSK	135	0	24.86	24.66	24.04			
100	QPSK	135	69	25.02	25.11	25.08	26.3	0.0	
100	QPSK	135	138	24.05	24.04	24.12			
100	QPSK	270	0	23.82	23.87	23.95	25.3	1.0	
100	16QAM	1	1	23.24	23.26	23.27	25.3	1.0	
100	64QAM	1	1	21.64	21.70	21.79	23.8	2.5	
100	256QAM	1	1	19.82	19.81	19.81	21.8	4.5	
Channel				649988	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.08			
50	QPSK	1	1	24.04	24.03	24.21	26.3	0.0	
Channel				649334	650000	662066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	24.10	24.21	24.29	26.3	0.0	
Channel				649500	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98			
60	QPSK	1	1	24.37	24.41	24.48	26.3	0.0	
Channel				649334	650000	663066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	24.51	24.52	24.56	26.3	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.23	24.26	24.29	26.3	0.0	
Channel				647334	650000	664966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	24.72	24.73	24.81	26.3	0.0	

Part27Q_n78_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				3499.98	3533.32				
Frequency (MHz)									
100	PI2 BPSK	1	1	21.55					
100	PI2 BPSK	1	137	22.33			23.3	0.0	
100	PI2 BPSK	1	271	21.31					
100	PI2 BPSK	135	0	22.31			23.3	0.0	
100	PI2 BPSK	135	69	22.30			23.3	0.0	
100	PI2 BPSK	135	138	22.15			23.3	0.0	
100	PI2 BPSK	270	0	22.17					
100	QPSK	1	1	21.66					
100	QPSK	1	137	22.35			23.3	0.0	
100	QPSK	1	271	21.34					
100	QPSK	135	0	22.26					
100	QPSK	135	69	22.32			23.3	0.0	
100	QPSK	135	138	22.09					
100	QPSK	270	0	22.25			22.8	0.5	
100	16QAM	1	1	21.44			22.3	1.0	
100	64QAM	1	1	21.40			22.3	1.0	
100	256QAM	1	1	20.42			21.8	1.5	
Channel				633090	633332	633966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3499	3499.98	3500.02			
80	QPSK	1	1	21.54	21.55	21.57	23.3	0.0	
Channel				632968	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	21.60	21.70	21.70	23.3	0.0	
Channel				632900	633332	634066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	21.84	21.88	21.89	23.3	0.0	
Channel				631968	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505			
50	QPSK	1	1	21.99	21.96	21.92	23.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3410.01	3499.98	3520.09			
40	QPSK	1	1	21.77	21.72	21.71	23.3	0.0	
Channel				631000	633332	635966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3405	3499.98	3534.99			
30	QPSK	1	1	21.95	21.91	21.88	23.3	0.0	
Channel				630599	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400.02	3499.98	3540			
20	QPSK	1	1	22.09	22.06	21.97	23.3	0.0	

Part27Q_n78(HPUE)_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				63332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	24.32					
100	PI2 BPSK	1	137	25.28			26.3	0.0	
100	PI2 BPSK	1	271	24.34					
100	PI2 BPSK	135	0	24.79			25.8	0.5	
100	PI2 BPSK	135	69	25.12			26.3	0.0	
100	PI2 BPSK	135	138	24.64			25.8	0.5	
100	PI2 BPSK	270	0	24.74					
100	QPSK	1	1	24.83					
100	QPSK	1	137	25.32			26.3	0.0	
100	QPSK	1	271	24.30					
100	QPSK	135	0	24.31					
100	QPSK	135	69	25.30			26.3	0.0	
100	QPSK	135	138	24.32					
100	QPSK	270	0	24.21			25.3	1.0	
100	16QAM	1	1	23.74			25.3	1.0	
100	64QAM	1	1	22.35			23.8	2.5	
100	256QAM	1	1	20.24			21.8	4.5	
Channel				633000	633332	633986	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
50	QPSK	1	1	24.53	24.45	24.44	26.3	0.0	
Channel				630688	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510			
80	QPSK	1	1	24.45	24.43	24.42	26.3	0.0	
Channel				632000	633332	634606	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	24.79	24.72	24.70	26.3	0.0	
Channel				631088	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3509.98			
50	QPSK	1	1	24.87	24.84	24.81	26.3	0.0	
Channel				631334	633332	635032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	24.44	24.42	24.41	26.3	0.0	
Channel				631080	633332	635686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.86	24.81	24.79	26.3	0.0	
Channel				630956	633332	636300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	24.97	24.94	24.92	26.3	0.0	

Part27O_n78_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	21.02					
100	PI2 BPSK	1	137	21.84			23.3	0.0	
100	PI2 BPSK	1	271	21.00					
100	PI2 BPSK	135	0	21.68			23.3	0.0	
100	PI2 BPSK	135	69	21.90			23.3	0.0	
100	PI2 BPSK	135	138	21.62			23.3	0.0	
100	PI2 BPSK	270	0	21.71					
100	QPSK	1	1	21.01					
100	QPSK	1	137	21.97			23.3	0.0	
100	QPSK	1	271	21.03					
100	QPSK	135	0	21.67					
100	QPSK	135	69	21.94			23.3	0.0	
100	QPSK	135	138	21.75					
100	QPSK	270	0	21.78			22.8	0.5	
100	16QAM	1	1	20.62			22.3	1.0	
100	64QAM	1	1	20.64			22.3	1.0	
100	256QAM	1	1	19.73			21.8	1.5	
Channel				649688	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
50	QPSK	1	1	21.04	21.00	21.02	23.3	0.0	
Channel				649334	650000	650686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.07	21.00	21.04	23.3	0.0	
Channel				649688	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3750	3769.98			
60	QPSK	1	1	21.39	21.41	21.44	23.3	0.0	
Channel				648334	650000	651686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.44	21.41	21.46	23.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.31	21.32	21.34	23.3	0.0	
Channel				647688	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	21.47	21.45	21.46	23.3	0.0	
Channel				647334	650000	652686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	21.68	21.62	21.67	23.3	0.0	

Part27O_n78(HPUE)_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	24.01					
100	PI2 BPSK	1	137	24.97			26.3	0.0	
100	PI2 BPSK	1	271	24.03					
100	PI2 BPSK	135	0	24.19			25.8	0.5	
100	PI2 BPSK	135	69	24.95			26.3	0.0	
100	PI2 BPSK	135	138	24.22			25.8	0.5	
100	PI2 BPSK	270	0	24.24					
100	QPSK	1	1	24.03					
100	QPSK	1	137	25.00			26.3	0.0	
100	QPSK	1	271	24.05					
100	QPSK	135	0	24.01					
100	QPSK	135	69	24.97			26.3	0.0	
100	QPSK	135	138	24.03					
100	QPSK	270	0	23.78			25.3	1.0	
100	16QAM	1	1	23.15			25.3	1.0	
100	64QAM	1	1	21.60			23.8	2.5	
100	256QAM	1	1	19.51			21.8	4.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
50	QPSK	1	1	24.12	24.15	24.05	26.3	0.0	
Channel				649334	650000	650686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.21	24.31	24.20	26.3	0.0	
Channel				649688	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3750	3769.98			
60	QPSK	1	1	24.51	24.54	24.56	26.3	0.0	
Channel				648334	650000	651686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.61	24.62	24.60	26.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.29	24.32	24.29	26.3	0.0	
Channel				647688	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.55	24.57	24.56	26.3	0.0	
Channel				647334	650000	652686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.74	24.79	24.72	26.3	0.0	

Part27Q_n77_Ant 5											
BW [MHz]	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)											
100	PI2 BPSK	1	1	22.84	3499.98		24.5	0.0			
100	PI2 BPSK	1	137	23.81							
100	PI2 BPSK	1	271	22.91							
100	PI2 BPSK	135	0	23.55		24.5	0.0				
100	PI2 BPSK	135	69	23.78		24.5	0.0				
100	PI2 BPSK	135	138	23.59		24.5	0.0				
100	PI2 BPSK	270	0	23.65			24.5	0.0			
100	QPSK	1	1	22.74							
100	QPSK	1	137	23.84							
100	QPSK	1	271	22.76			24.5	0.0			
100	QPSK	135	0	23.72							
100	QPSK	135	69	23.52							
100	QPSK	135	138	23.75			24.5	0.0			
100	QPSK	270	0	23.85		24.5					
100	16QAM	1	1	22.82		23.5	1.0				
100	64QAM	1	1	22.86		23.5	1.0				
100	256QAM	1	1	22.22		23.0	1.5				
Channel											
Frequency (MHz)											
90	QPSK	1	1	22.86	633332	633686	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.88	6327.28	63498	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.99	630320	6310	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.99	630320	634986	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	23.10	633332	633332	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.26	630688	630688	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.40	630688	630688	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.00	633332	630688	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.48	630688	630688	Tune-up limit (dBm)	MPR			

Part27Q_n77(HPUE)_Ant 5									
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									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.96	3499.98		27.5	0.0	
100	PI2 BPSK	1	137	26.79					
100	PI2 BPSK	1	271	26.01					
100	PI2 BPSK	135	0	26.21		27.0	0.5		
100	PI2 BPSK	135	69	26.72		27.5	0.0		
100	PI2 BPSK	135	138	26.33		27.0	0.5		
100	PI2 BPSK	270	0	26.29			27.5	0.0	
100	QPSK	1	1	25.87					
100	QPSK	1	137	26.85					
100	QPSK	1	271	26.06			27.5	0.0	
100	QPSK	135	0	26.23					
100	QPSK	135	69	26.80					
100	QPSK	135	138	26.30			27.5	0.0	
100	QPSK	270	0	26.31		26.5			
100	16QAM	1	1	25.82		26.5	1.0		
100	64QAM	1	1	24.75		25.0	2.5		
100	256QAM	1	1	22.09		23.0	4.5		
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.91	633332	633696	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.07	630688	630498	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.01	630000	630688	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.00	633332	633332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.21	630688	630690	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.06	630688	630688	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.24	630688	630688	Tune-up limit (dBm)	MPR (dB)	

Part27O_n77_Ant 5										
BW [MHz]	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)										
100	PI2 BPSK	1	1	22.86	3750	3840	23.01	24.5	0.0	
100	PI2 BPSK	1	137	23.85	3840	3930	23.90			
100	PI2 BPSK	1	271	23.12	3930	4020	22.95			
100	PI2 BPSK	135	0	23.65	3750	3777	24.5	24.5		0.0
100	PI2 BPSK	135	69	23.82	3778	3886	24.5			
100	PI2 BPSK	135	138	23.75	3886	3974	24.5			
100	PI2 BPSK	270	0	23.75	3969	4072	23.72			
100	QPSK	1	1	22.84	3750	3840	22.97	24.5	0.0	
100	QPSK	1	137	23.87	3840	3930	23.81			
100	QPSK	1	271	23.08	3930	4020	22.88			
100	QPSK	135	0	23.63	3735	3737	23.71	24.5	0.0	
100	QPSK	135	69	23.70	3739	3878	23.75			
100	QPSK	135	138	23.76	3878	3987	23.67			
100	QPSK	270	0	23.65	3978	4069	24.0	0.5		
100	16QAM	1	1	22.59	3778	3876	22.76	23.5		
100	64QAM	1	1	22.64	3878	3977	22.77	23.5		
100	256QAM	1	1	22.01	3878	3975	22.15	23.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.96	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.19	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.19	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.34	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.41	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.23	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.46	649988	650000	662332	Tune-up limit (dBm)	MPR (dB)	



Part270_n77(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	25.62	25.80	25.94			
100	PI2 BPSK	1	137	26.79	26.94	26.90	27.5	0.0	
100	PI2 BPSK	1	271	25.96	26.03	25.91			
100	PI2 BPSK	135	0	25.94	26.16	26.29	27.0	0.5	
100	PI2 BPSK	135	69	26.81	26.91	26.93	27.5	0.0	
100	PI2 BPSK	135	138	26.18	26.33	26.22			
100	PI2 BPSK	270	0	26.02	26.24	26.21	27.0	0.5	
100	QPSK	1	1	25.71	25.84	25.95			
100	QPSK	1	137	25.81	25.95	25.92	27.5	0.0	
100	QPSK	1	271	25.91	26.06	25.87			
100	QPSK	135	0	25.91	25.97	25.84			
100	QPSK	135	69	25.75	25.92	25.90	27.5	0.0	
100	QPSK	135	138	25.81	26.05	25.81			
100	QPSK	270	0	25.68	26.05	25.77	26.5	1.0	
100	16QAM	1	1	24.97	25.25	25.14	26.5	1.0	
100	64QAM	1	1	23.57	23.73	23.67	25.0	2.5	
100	256QAM	1	1	21.59	21.84	21.74	23.0	4.5	
Channel				649988	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3142.02	3840	3934.06	(dBm)	(dB)	
50	QPSK	1	1	25.80	25.90	25.92	27.5	0.0	
Channel				649334	650000	662096	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	25.94	26.02	26.07	27.5	0.0	
Channel				649958	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	26.14	26.19	26.21	27.5	0.0	
Channel				649334	650000	663096	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	26.21	26.28	26.23	27.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3722	3840	3950	(dBm)	(dB)	
40	QPSK	1	1	26.04	26.11	26.14	27.5	0.0	
Channel				647334	650000	664696	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	26.26	26.31	26.35	27.5	0.0	

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				333332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	22.70					
100	PI2 BPSK	1	137	23.79			24.5	0.0	
100	PI2 BPSK	1	271	22.81					
100	PI2 BPSK	135	0	23.36			24.5	0.0	
100	PI2 BPSK	135	69	23.67			24.5	0.0	
100	PI2 BPSK	135	138	23.46					
100	PI2 BPSK	270	0	23.37			24.5	0.0	
100	QPSK	1	1	22.84					
100	QPSK	1	137	23.82			24.5	0.0	
100	QPSK	1	271	22.99					
100	QPSK	135	0	23.67					
100	QPSK	135	69	23.50			24.5	0.0	
100	QPSK	135	138	23.75					
100	QPSK	270	0	23.72			24.0	0.5	
100	16QAM	1	1	22.69			23.5	1.0	
100	64QAM	1	1	22.71			23.5	1.0	
100	256QAM	1	1	22.13			23.0	1.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	22.64	22.69	22.61	24.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	22.80	22.81	22.85	24.5	0.0	
Channel				632000	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	22.94	23.00	23.03	24.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	23.11	23.16	23.19	24.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1	23.40	23.42	23.45	24.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	23.13	23.18	23.24	24.5	0.0	
Channel				630500	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.60	23.63	23.69	24.5	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				333332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	25.76					
100	PI2 BPSK	1	137	26.72			27.5	0.0	
100	PI2 BPSK	1	271	25.71					
100	PI2 BPSK	135	0	25.95			27.0	0.5	
100	PI2 BPSK	135	69	26.71			27.5	0.0	
100	PI2 BPSK	135	138	26.05					
100	PI2 BPSK	270	0	25.95			27.0	0.5	
100	QPSK	1	1	25.84					
100	QPSK	1	137	26.78			27.5	0.0	
100	QPSK	1	271	25.91					
100	QPSK	135	0	26.29					
100	QPSK	135	69	26.75			27.5	0.0	
100	QPSK	135	138	26.27					
100	QPSK	270	0	26.16			26.5	1.0	
100	16QAM	1	1	25.69			26.5	1.0	
100	64QAM	1	1	23.97			25.0	2.5	
100	256QAM	1	1	21.92			23.0	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	25.88	25.91	25.91	27.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	25.71	25.74	25.77	27.5	0.0	
Channel				632000	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	25.98	26.00	26.05	27.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	26.01	26.07	26.09	27.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1	25.82	25.91	25.94	27.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	26.34	26.40	26.48	27.5	0.0	
Channel				630500	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	26.53	26.55	26.59	27.5	0.0	

Part27O_n78_Ant 5									
BW [MHz]	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)									
100	PI2 BPSK	1	1		22.67		24.5	0.0	
100	PI2 BPSK	1	137		23.72				
100	PI2 BPSK	1	271		23.02				
100	PI2 BPSK	135	0		23.54		24.5	0.0	
100	PI2 BPSK	135	69		23.70		24.5	0.0	
100	PI2 BPSK	135	138		23.61		24.5	0.0	
100	PI2 BPSK	270	0		23.54		24.5	0.0	
100	QPSK	1	1		22.75				
100	QPSK	1	137		23.76				
100	QPSK	1	271		22.76		24.5	0.0	
100	QPSK	135	0		23.45				
100	QPSK	135	69		23.75				
100	QPSK	135	138		23.57		24.5	0.0	
100	QPSK	270	0		23.53				
100	16QAM	1	1		22.42		23.5	1.0	
100	64QAM	1	1		22.43		23.5	1.0	
100	256QAM	1	1		21.96		23.0	1.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	22.61	22.64	22.67	24.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	22.81	22.83	22.88	24.5	0.0	
Channel				649566	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	23.04	23.07	23.09	24.5	0.0	
Channel				649334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3755.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	23.23	23.26	23.32	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	23.01	23.06	23.11	24.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	23.25	23.30	23.35	24.5	0.0	
Channel				647234	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	23.41	23.45	23.49	24.5	0.0	

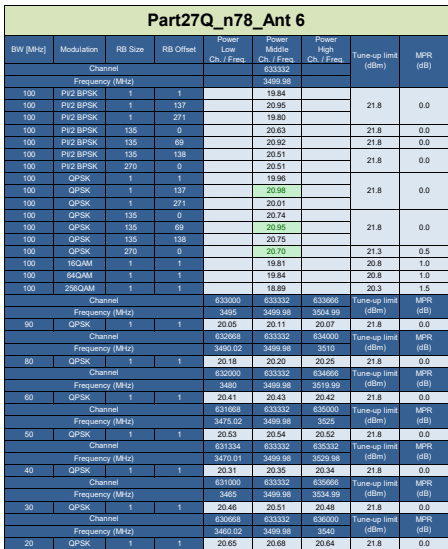
Part27O_n78(HPUE)_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)						3750				
100	PI2 BPSK	1	1		25.70		27.5	0.0		
100	PI2 BPSK	1	137		26.78					
100	PI2 BPSK	1	271		25.86					
100	PI2 BPSK	135	0		26.01		27.0	0.5		
100	PI2 BPSK	135	69		26.75		27.5	0.0		
100	PI2 BPSK	135	138		26.14		27.0	0.5		
100	PI2 BPSK	270	0		26.73		27.5	0.0		
100	QPSK	1	1		25.67					
100	QPSK	1	137		26.80					
100	QPSK	1	271		25.71		27.5	0.0		
100	QPSK	135	0		26.02					
100	QPSK	135	69		26.75					
100	QPSK	135	138		26.09		27.5	0.0		
100	QPSK	270	0		26.06					
100	16QAM	1	1		25.36		26.5	1.0		
100	64QAM	1	1		23.79		25.0	2.5		
100	256QAM	1	1		21.62		23.0	4.5		
Channel										
Frequency (MHz)						649988	650000	650332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.91	25.92	25.92	27.5	0.0		
Channel										
Frequency (MHz)						649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	26.01	26.03	26.08	27.5	0.0		
Channel										
Frequency (MHz)						649566	650000	651332	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	26.23	26.25	26.27	27.5	0.0		
Channel										
Frequency (MHz)						649334	650000	651666	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	26.44	26.48	26.51	27.5	0.0		
Channel										
Frequency (MHz)						648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	26.15	26.22	26.26	27.5	0.0		
Channel										
Frequency (MHz)						647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	26.45	26.47	26.52	27.5	0.0		
Channel										
Frequency (MHz)						647234	650000	652666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	26.62	26.64	26.65	27.5	0.0		

Part27Q_n77_Ant 6									
BW [MHz]	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)									
100	PI2 BPSK	1	1		19.94		21.8	0.0	
100	PI2 BPSK	1	137		20.97				
100	PI2 BPSK	1	271		19.92				
100	PI2 BPSK	135	0		20.66		21.8	0.0	
100	PI2 BPSK	135	69		20.93		21.8	0.0	
100	PI2 BPSK	135	138		20.62		21.8	0.0	
100	PI2 BPSK	270	0		20.67		21.8	0.0	
100	QPSK	1	1		20.06				
100	QPSK	1	137		21.00				
100	QPSK	1	271		20.18		21.8	0.0	
100	QPSK	135	0		20.89				
100	QPSK	135	69		20.97				
100	QPSK	135	138		20.84		21.3	0.5	
100	QPSK	270	0		20.90				
100	16QAM	1	1		19.91		20.8	1.0	
100	64QAM	1	1		19.95		20.8	1.0	
100	256QAM	1	1		19.00		20.3	1.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	20.22	20.15	20.19	21.8	0.0	
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	20.36	20.36	20.34	21.8	0.0	
Channel				630000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	20.54	20.52	20.51	21.8	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	20.68	20.62	20.59	21.8	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3502.99	(dBm)	(dB)	
40	QPSK	1	1	20.45	20.42	20.40	21.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3504	(dBm)	(dB)	
20	QPSK	1	1	20.63	20.62	20.60	21.8	0.0	

Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1	23.03			24.8	0.0	
100	PI2 BPSK	1	137	23.87					
100	PI2 BPSK	1	271	22.89					
100	PI2 BPSK	135	0	23.80			24.3	0.5	
100	PI2 BPSK	135	69	23.96			24.8	0.0	
100	PI2 BPSK	135	138	23.76			24.3	0.5	
100	PI2 BPSK	270	0	23.75					
100	QPSK	1	1	23.14			24.8	0.0	
100	QPSK	1	137	24.00					
100	QPSK	1	271	23.19					
100	QPSK	135	0	22.97			24.8	0.0	
100	QPSK	135	69	23.98					
100	QPSK	135	138	22.99					
100	QPSK	270	0	22.95			23.8	1.0	
100	16QAM	1	1	22.41			23.8	1.0	
100	64QAM	1	1	20.83			22.3	2.5	
100	256QAM	1	1	18.81			20.3	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462	3469.98	3478.99			
50	QPSK	1	1	23.21	23.25	23.25	24.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3510			
80	QPSK	1	1	23.40	23.42	23.45	24.8	0.0	
Channel				625000	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3469.98	3519.99			
60	QPSK	1	1	23.45	23.51	23.56	24.8	0.0	
Channel				631008	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.92	3469.98	3505			
50	QPSK	1	1	23.55	23.57	23.59	24.8	0.0	
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3505.98			
40	QPSK	1	1	23.34	23.39	23.41	24.8	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1	23.75	23.77	23.79	24.8	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.98	19.83	19.84	21.8	0.0	
100	PI2 BPSK	1	137	20.85	20.57	20.51			
100	PI2 BPSK	1	271	19.98	19.82	19.80			
100	PI2 BPSK	135	0	20.65	20.38	20.14	21.8	0.0	
100	PI2 BPSK	135	69	20.86	20.54	20.31	21.8	0.0	
100	PI2 BPSK	135	138	20.61	20.28	20.14	21.8	0.0	
100	PI2 BPSK	270	0	20.63	20.30	20.15			
100	QPSK	1	1	20.16	19.96	19.80	21.8	0.0	
100	QPSK	1	137	20.68	20.62	20.54			
100	QPSK	1	271	20.04	19.87	19.82			
100	QPSK	135	0	20.70	20.62	20.34	21.8	0.0	
100	QPSK	135	69	20.88	20.80	20.51			
100	QPSK	135	138	20.64	20.35	20.34			
100	QPSK	270	0	20.66	20.43	20.35	21.3	0.5	
100	16QAM	1	1	19.83	19.61	19.41	20.8	1.0	
100	64QAM	1	1	19.80	19.72	19.46	20.8	1.0	
100	256QAM	1	1	18.82	18.74	18.68	20.3	1.5	
Channel				649888	650000	650232	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
50	QPSK	1	1	20.33	20.10	20.05	21.8	0.0	
Channel				649334	650000	650866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	20.48	20.27	20.80	21.8	0.0	
Channel				648868	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	20.63	20.41	20.18	21.8	0.0	
Channel				648334	650000	653966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	20.73	20.48	20.31	21.8	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.53	21.35	21.05	21.5	0.0	
Channel				647334	650000	654866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	20.84	20.62	20.41	21.8	0.0	

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.11	23.06	22.90	24.8	0.0	
100	PI2 BPSK	1	137	23.80	23.67	23.50			
100	PI2 BPSK	1	271	22.98	22.86	22.83			
100	PI2 BPSK	135	0	23.54	23.32	23.17	24.3	0.5	
100	PI2 BPSK	135	69	23.75	23.64	23.44	24.8	0.0	
100	PI2 BPSK	135	138	23.58	23.16	23.16	24.3	0.5	
100	PI2 BPSK	270	0	23.41	23.21	23.10			
100	QPSK	1	1	22.98	22.84	22.81	24.8	0.0	
100	QPSK	1	137	23.85	23.70	23.53			
100	QPSK	1	271	22.96	22.85	22.80			
100	QPSK	135	0	22.88	22.87	22.83	24.8	0.0	
100	QPSK	135	69	23.81	23.57	23.55			
100	QPSK	135	138	22.86	22.84	22.82			
100	QPSK	270	0	22.86	22.70	22.58	23.8	1.0	
100	16QAM	1	1	22.44	22.24	22.11	23.8	1.0	
100	64QAM	1	1	20.80	20.68	20.49	22.3	2.5	
100	256QAM	1	1	18.86	18.83	18.48	20.3	4.5	
Channel				649888	650000	650232	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
50	QPSK	1	1	23.27	23.04	22.85	24.8	0.0	
Channel				649334	650000	650866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	23.30	23.17	22.52	24.8	0.0	
Channel				648868	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	23.44	23.27	23.03	24.8	0.0	
Channel				648334	650000	653966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	23.58	23.33	23.14	24.8	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.33	23.14	22.83	24.8	0.0	
Channel				647334	650000	654866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	23.63	23.52	23.23	24.8	0.0	



Part27Q_n78(HPUE)_Ant 6								
BW (MHz)	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)								
100	P2/ BPSK	1	1	21.00	36.99			
100	P2/ BPSK	1	1	21.00	36.99		24.8	0.0
100	P2/ BPSK	1	1	21.00	36.99			
100	P2/ BPSK	1	271	22.86	36.99			
100	P2/ BPSK	135	0	23.72	36.99		24.3	0.5
100	P2/ BPSK	135	69	23.87	36.99		24.8	0.0
100	P2/ BPSK	135	138	23.72	36.99		24.3	0.5
100	P2/ BPSK	270	0	23.06	36.99			
100	QPSK	1	1	23.06	36.99		24.8	0.0
100	QPSK	1	137	23.95	36.99			
100	QPSK	1	271	23.00	36.99		24.8	0.0
100	QPSK	135	0	22.92	36.99			
100	QPSK	135	69	23.00	36.99		24.8	0.0
100	QPSK	135	138	22.84	36.99		23.8	1.0
100	QPSK	270	0	22.63	36.99		23.8	1.0
100	16QAM	1	1	22.82	36.99		23.8	1.0
100	4QAM	1	1	22.78	36.99		23.7	2.5
100	256QAM	1	1	18.77	36.99		20.3	4.5
Channel								
Frequency (MHz)								
				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
				3485	3489.98	3504.99		
90	QPSK	1	1	23.24	23.22	23.21	24.8	0.0
Channel								
Frequency (MHz)								
				633699	633332	633000	Tune-up limit (dBm)	MPR (dB)
				3490.02	3499.98	3510		
80	QPSK	1	1	23.42	23.40	23.38	24.8	0.0
Channel								
Frequency (MHz)								
				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
				3480	3499.98	3519.99		
60	QPSK	1	1	23.59	23.57	23.52	24.8	0.0
Channel								
Frequency (MHz)								
				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3499.98	3520		
50	QPSK	1	1	23.76	23.72	23.71	24.8	0.0
Channel								
Frequency (MHz)								
				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
				3470.81	3499.98	3529.83		
40	QPSK	1	1	23.40	23.45	23.43	24.8	0.0
Channel								
Frequency (MHz)								
				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
				3465	3499.98	3534.99		
30	QPSK	1	1	23.68	23.61	23.61	24.8	0.0
Channel								
Frequency (MHz)								
				630598	633332	636330	Tune-up limit (dBm)	MPR (dB)
				3460.02	3499.98	3540		
20	QPSK	1	1	23.88	23.81	23.87	24.8	0.0

Part270_n78_Ant 6									
BW [MHz]	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)		3795			
100	Pl2 BPSK	1	1	19.90					
100	Pl2 BPSK	1	137	20.83			21.8	0.0	
100	Pl2 BPSK	1	211	19.84					
100	Pl2 BPSK	135	0	20.52			21.8	0.0	
100	Pl2 BPSK	135	69	20.80			21.8	0.0	
100	Pl2 BPSK	135	138	20.52					
100	Pl2 BPSK	270	0	20.50			21.8	0.0	
100	QPSK	1	1	19.96					
100	QPSK	1	137	20.85			21.8	0.0	
100	QPSK	1	271	19.81					
100	QPSK	135	0	20.74					
100	QPSK	135	69	20.82			21.8	0.0	
100	QPSK	135	138	20.59					
100	QPSK	270	0	20.67			21.3	0.5	
100	16QAM	1	1	19.72			20.8	1.0	
100	64QAM	1	1	19.76			20.8	1.5	
100	256QAM	1	1	18.80			20.3	1.5	
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3795	3795.98			
90	QPSK	1	1	20.08	20.01	20.03	21.8	0.0	
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	20.41	20.39	20.40	21.8	0.0	
Channel				649668	650000	651332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	20.44	20.44	20.48	21.8	0.0	
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	20.63	20.60	20.62	21.8	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.38	20.34	20.36	21.8	0.0	
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	20.58	20.56	20.57	21.8	0.0	
Channel				641234	650000	652866	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	20.71	20.66	20.63	21.8	0.0	

Part270_n78(HPUE)_Ant 6											
BW [MHz]	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)		650000	24.8	0.0			
				3795							
100	Pl2 BPSK	1	1	22.92							
100	Pl2 BPSK	1	137	23.77							
100	Pl2 BPSK	1	211	22.81			24.3	0.5			
100	Pl2 BPSK	135	0	23.98							
100	Pl2 BPSK	135	69	23.53							
100	Pl2 BPSK	135	138	23.48							
100	Pl2 BPSK	270	0	23.44			24.3	0.5			
100	QPSK	1	1	22.88							
100	QPSK	1	137	23.79							
100	QPSK	1	271	22.82				24.8		0.0	
100	QPSK	135	0	22.80							
100	QPSK	135	69	23.75							
100	QPSK	135	138	22.85							
100	QPSK	270	0	22.80							
100	16QAM	1	1	22.16		23.8	23.8	1.0	1.0		
100	64QAM	1	1	20.61		22.3	22.3	2.5	2.5		
100	256QAM	1	1	18.50		20.3	20.3	4.5	4.5		
Channel				649668	650000	650332	Tune-up limit	MPR			
Frequency (MHz)				3745.02	3750	3784.98	(dbm)	(db)			
90	QPSK	1	1	22.94	22.91	23.02	24.8	0.0			
Channel				649334	650000	650666	Tune-up limit	MPR			
Frequency (MHz)				3740.01	3750	3759.99	(dbm)	(db)			
80	QPSK	1	1	23.01	23.00	23.14	24.8	0.0			
Channel				649668	650000	651332	Tune-up limit	MPR			
Frequency (MHz)				3730.02	3750	3769.98	(dbm)	(db)			
60	QPSK	1	1	23.22	23.24	23.35	24.8	0.0			
Channel				648334	650000	651666	Tune-up limit	MPR			
Frequency (MHz)				3725.01	3750	3774.99	(dbm)	(db)			
50	QPSK	1	1	23.38	23.42	23.55	24.8	0.0			
Channel				648000	650000	652000	Tune-up limit	MPR			
Frequency (MHz)				3720	3750	3780	(dbm)	(db)			
40	QPSK	1	1	23.05	23.12	23.14	24.8	0.0			
Channel				647668	650000	652332	Tune-up limit	MPR			
Frequency (MHz)				3715.02	3750	3784.98	(dbm)	(db)			
30	QPSK	1	1	23.30	23.33	23.38	24.8	0.0			
Channel				641234	650000	652866	Tune-up limit	MPR			
Frequency (MHz)				3710.01	3750	3789.99	(dbm)	(db)			
20	QPSK	1	1	23.44	23.50	23.53	24.8	0.0			

DS10

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)				824	836.5	849			
20	Pi2 BPSK	1	1	24.53	24.58	24.49		25.5	0.0
20	Pi2 BPSK	1	53	24.34	24.43	24.31			
20	Pi2 BPSK	1	104	24.30	24.45	24.35			
20	Pi2 BPSK	50	0	23.83	23.95	23.92	25.0	0.5	
20	Pi2 BPSK	50	28	24.34	24.45	24.42	25.5	0.0	
20	Pi2 BPSK	50	56	23.95	23.99	23.82	25.0	0.5	
20	Pi2 BPSK	100	0	24.00	24.03	23.92		25.5	0.0
20	QPSK	1	1	24.52	24.61	24.57			
20	QPSK	1	53	24.40	24.54	24.44			
20	QPSK	1	104	24.26	24.37	24.31		24.5	1.0
20	QPSK	50	0	23.31	23.47	23.37	24.5	0.5	
20	QPSK	50	28	24.30	24.53	24.46	25.5	0.0	
20	QPSK	50	56	23.28	23.43	23.28	24.5	1.0	
20	QPSK	100	0	23.44	23.51	23.38		24.5	1.0
20	16QAM	1	1	23.12	23.22	23.13	24.5		
20	64QAM	1	1	21.58	21.63	21.55	23.0	2.5	
20	256QAM	1	1	20.07	20.23	20.13	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.42	24.45	24.51	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.45	24.44	24.46	25.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.42	24.57	24.54	25.5	0.0	

n5_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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	23.45	23.56	23.51		24.8	0.0
20	Pi2 BPSK	1	53	23.71	23.76	23.63			
20	Pi2 BPSK	1	104	23.46	23.58	23.52			
20	Pi2 BPSK	50	0	23.57	23.61	23.57	24.8	0.0	
20	Pi2 BPSK	50	28	23.66	23.76	23.66	24.8	0.0	
20	Pi2 BPSK	50	56	23.40	23.48	23.36	24.8	0.0	
20	Pi2 BPSK	100	0	23.58	23.63	23.54		24.8	0.0
20	QPSK	1	1	23.34	23.47	23.36			
20	QPSK	1	53	23.59	23.60	23.61			
20	QPSK	1	104	23.44	23.47	23.38		24.3	0.5
20	QPSK	50	0	23.07	23.11	23.04	24.3	0.5	
20	QPSK	50	28	23.71	23.74	23.73	24.6	0.0	
20	QPSK	50	56	23.05	23.18	23.15	24.3	0.5	
20	QPSK	100	0	23.17	23.25	23.16		24.3	0.5
20	16QAM	1	1	22.66	22.76	22.64	24.3		
20	64QAM	1	1	21.31	21.36	21.26	22.8	2.0	
20	256QAM	1	1	19.78	19.91	19.87	20.8	4.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.38	23.41	23.41	24.8	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.32	23.43	23.40	24.8	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.37	23.49	23.52	24.8	0.0	

n7_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				505000	507000	509000			
Frequency (MHz)				2456	2465	2465			
50	Pi2 BPSK	1	1	24.63	24.68	24.56		25.5	0.0
50	Pi2 BPSK	1	135	24.38	24.47	24.30			
50	Pi2 BPSK	1	268	24.35	24.51	24.42			
50	Pi2 BPSK	135	0	24.30	24.34	24.22	25.0	0.5	
50	Pi2 BPSK	135	68	24.52	24.68	24.52	25.5	0.0	
50	Pi2 BPSK	135	135	24.20	24.28	24.15	25.0	0.5	
50	Pi2 BPSK	270	0	24.32	24.34	24.26		25.5	0.0
50	QPSK	1	1	24.72	24.77	24.70			
50	QPSK	1	135	24.54	24.66	24.55			
50	QPSK	1	268	24.36	24.47	24.42		24.5	1.0
50	QPSK	135	0	23.70	23.72	23.61	24.5	0.5	
50	QPSK	135	68	24.67	24.72	24.67	25.5	0.0	
50	QPSK	135	135	23.55	23.72	23.58	24.5	1.0	
50	QPSK	270	0	23.61	23.70	23.58		24.5	1.0
50	16QAM	1	1	22.94	23.06	23.07	24.5		
50	64QAM	1	1	21.61	21.67	21.49	23.0	2.5	
50	256QAM	1	1	20.29	20.31	20.20	21.0	4.5	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2460	2465	2460			
40	QPSK	1	1	24.67	24.65	24.56	25.5	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2415	2435	2455			
30	QPSK	1	1	24.60	24.72	24.62	25.5	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	24.62	24.60	24.57	25.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2460	2465	2460			
20	QPSK	1	1	24.55	24.73	24.54	25.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.57	24.63	24.60	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	24.65	24.67	24.67	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2462.5	2465	2467.5			
5	QPSK	1	1	24.61	24.70	24.57	25.5	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				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	PQ2 BPSK	1	1	18.37	18.47	18.44	20.1		
50	PQ2 BPSK	1	135	18.51	18.61	18.57		0.0	
50	PQ2 BPSK	1	268	18.12	18.18	18.16	20.1	0.0	
50	PQ2 BPSK	135	0	18.59	18.69	18.66		0.0	
50	PQ2 BPSK	135	68	18.61	18.65	18.63	20.1	0.0	
50	PQ2 BPSK	135	135	18.44	18.55	18.50		0.0	
50	PQ2 BPSK	270	0	18.52	18.63	18.55	20.1	0.0	
50	QPSK	1	1	18.31	18.39	18.29			
50	QPSK	1	135	18.61	18.71	18.61	20.1	0.0	
50	QPSK	1	268	18.19	18.16	18.15			
50	QPSK	135	0	18.57	18.63	18.55	20.1	0.0	
50	QPSK	135	68	18.64	18.65	18.59		0.0	
50	QPSK	135	135	18.53	18.56	18.52	20.1	0.0	
50	QPSK	270	0	18.58	18.62	18.54			
50	16QAM	1	1	18.17	18.14	18.15	20.1	0.0	
50	64QAM	1	1	18.15	18.15	18.18		0.0	
50	256QAM	1	1	18.59	18.70	18.64	20.1	0.0	
Channel				504000	507000	510000		MPR	
Frequency (MHz)				2505	2535	2565			
40	QPSK	1	1	18.27	18.38	18.30	20.1	0.0	
Channel				503000	507000	511000		MPR	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	18.30	18.39	18.42	20.1	0.0	
Channel				502000	507000	511000		MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.27	18.47	18.38	20.1	0.0	
Channel				502000	507000	512000		MPR	
Frequency (MHz)				2507.5	2535	2562.5			
20	QPSK	1	1	18.31	18.34	18.37	20.1	0.0	
Channel				501500	507000	512500		MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.20	18.35	18.34	20.1	0.0	
Channel				501000	507000	513000		MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.35	18.40	18.30	20.1	0.0	
Channel				500500	507000	513500		MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.22	18.33	18.37	20.1	0.0	
Channel									

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				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	PQ2 BPSK	1	1	17.35	17.34	17.30	19.2		
50	PQ2 BPSK	1	135	17.46	17.46	17.43		0.0	
50	PQ2 BPSK	1	268	17.38	17.33	17.33	19.2	0.0	
50	PQ2 BPSK	135	0	17.39	17.34	17.32		0.0	
50	PQ2 BPSK	135	68	17.37	17.39	17.32	19.2	0.0	
50	PQ2 BPSK	135	135	17.36	17.41	17.35		0.0	
50	PQ2 BPSK	270	0	17.37	17.34	17.31	19.2	0.0	
50	QPSK	1	1	17.36	17.33	17.30			
50	QPSK	1	135	17.45	17.47	17.35	19.2	0.0	
50	QPSK	1	268	17.33	17.35	17.31			
50	QPSK	135	0	17.30	17.31	17.34	19.2	0.0	
50	QPSK	135	68	17.30	17.42	17.40		0.0	
50	QPSK	135	135	17.35	17.39	17.40	19.2	0.0	
50	QPSK	270	0	17.31	17.35	17.32			
50	16QAM	1	1	17.34	17.35	17.33	19.2	0.0	
50	64QAM	1	1	17.33	17.32	17.34		0.0	
50	256QAM	1	1	17.42	17.45	17.40	19.2	0.0	
Channel				504000	507000	510000		MPR	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	17.36	17.35	17.30	19.2	0.0	
Channel				503000	507000	511000		MPR	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	17.33	17.31	17.25	19.2	0.0	
Channel				502000	507000	511500		MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.32	17.30	17.30	19.2	0.0	
Channel				502000	507000	512000		MPR	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.32	17.30	17.33	19.2	0.0	
Channel				501500	507000	512500		MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.33	17.31	17.30	19.2	0.0	
Channel				501000	507000	513000		MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.31	17.35	17.30	19.2	0.0	
Channel				500500	507000	513500		MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.36	17.30	17.35	19.2	0.0	
Channel									

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	PQ2 BPSK	1	1	23.32	23.44	23.38	24.7		
50	PQ2 BPSK	1	135	23.15	23.25	23.20		0.0	
50	PQ2 BPSK	1	268	23.30	23.37	23.35	24.7	0.0	
50	PQ2 BPSK	135	0	22.54	22.66	22.57		0.0	
50	PQ2 BPSK	135	68	23.45	23.49	23.34	24.7	0.5	
50	PQ2 BPSK	135	135	22.65	22.73	22.60		0.5	
50	PQ2 BPSK	270	0	22.64	22.77	22.60	24.7	0.5	
50	QPSK	1	1	23.35	23.56	23.42			
50	QPSK	1	135	23.33	23.40	23.26	24.7	0.0	
50	QPSK	1	268	23.24	23.31	23.19			
50	QPSK	135	0	22.47	22.54	22.43	23.7	1.0	
50	QPSK	135	68	23.31	23.48	23.40		0.0	
50	QPSK	135	135	22.50	22.58	22.51	23.7	1.0	
50	QPSK	270	0	22.52	22.65	22.49			
50	16QAM	1	1	21.78	21.82	21.76	23.7	1.0	
50	64QAM	1	1	20.23	20.37	20.33		2.2	
50	256QAM	1	1	18.89	19.02	18.99	20.2	4.5	
Channel				504000	507000	510000		MPR (dB)	
Frequency (MHz)				2505	2535	2565			
40	QPSK	1	1	23.20	23.44	23.40	24.7	0.0	
Channel				503000	507000	511000		MPR (dB)	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	23.29	23.49	23.25	24.7	0.0	
Channel				502000	507000	511000		MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.24	23.53	23.30	24.7	0.0	
Channel				502000	507000	512000		MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.26	23.47	23.27	24.7	0.0	
Channel				501500	507000	512500		MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
15	QPSK	1	1	23.25	23.39	23.40	24.7	0.0	
Channel				501000	507000	513000		MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.29	23.38	23.28	24.7	0.0	
Channel				500500	507000	513500		MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.31	23.51	23.24	24.7	0.0	

n66_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				346000	349000	352000	25.5	0.0
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	23.71	23.82	23.76		
40	PI2 BPSK	1	108	24.33	24.37	24.22	25.0	0.5
40	PI2 BPSK	1	214	23.76	23.85	23.79		
40	PI2 BPSK	108	0	23.77	23.92	23.88		
40	PI2 BPSK	108	54	24.31	24.40	24.27	25.5	0.0
40	PI2 BPSK	108	108	23.83	23.97	23.90		
40	PI2 BPSK	216	0	23.80	23.96	23.88		
40	QPSK	1	1	23.68	23.76	23.70	25.5	0.0
40	QPSK	1	108	24.21	24.42	24.30		
40	QPSK	1	214	23.63	23.74	23.68		
40	QPSK	108	0	23.28	23.42	23.25	24.5	1.0
40	QPSK	108	54	24.21	24.36	24.26		
40	QPSK	108	108	23.42	23.46	23.34		
40	QPSK	216	0	23.39	23.48	23.35	24.5	1.0
40	16QAM	1	1	22.83	22.87	22.84		
40	16QAM	1	1	21.01	21.10	21.03		
40	256QAM	1	1	19.58	19.67	19.51	21.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.09	24.38	24.23	25.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.06	24.39	24.12	25.5	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.11	24.31	24.13	25.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.05	24.38	24.26	25.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.19	24.30	24.14	25.5	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				346000	349000	352000	17.6	0.0
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	16.00	16.00	16.02		
40	PI2 BPSK	1	108	16.50	16.52	16.50	17.6	0.0
40	PI2 BPSK	1	214	16.06	16.13	16.09		
40	PI2 BPSK	108	0	16.49	16.51	16.51		
40	PI2 BPSK	108	54	16.05	16.06	16.48	17.6	0.0
40	PI2 BPSK	108	108	16.77	16.76	16.72		
40	PI2 BPSK	216	0	16.80	16.68	16.70		
40	QPSK	1	1	16.04	16.01	16.03	17.6	0.0
40	QPSK	1	108	16.49	16.79	16.32		
40	QPSK	1	214	16.12	16.13	16.07		
40	QPSK	108	0	16.46	16.54	16.52	17.6	0.0
40	QPSK	108	54	16.42	16.76	16.66		
40	QPSK	108	108	16.61	16.74	16.65		
40	QPSK	216	0	16.05	16.05	16.65	17.6	0.0
40	16QAM	1	1	16.01	16.01	16.17		
40	16QAM	1	1	16.14	16.00	16.08		
40	256QAM	1	1	16.33	16.33	16.29	17.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.06	16.02	16.07	17.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.01	16.01	16.05	17.6	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.07	16.01	16.04	17.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.88	15.89	15.97	17.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.93	15.88	15.94	17.6	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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	20.10	20.13	20.06	21.6	0.0
40	PI2 BPSK	1	108	20.72	20.74	20.71		
40	PI2 BPSK	1	214	20.26	20.27	20.24		
40	PI2 BPSK	108	0	20.71	20.77	20.78	21.6	0.0
40	PI2 BPSK	108	54	20.77	20.76	20.77	21.6	0.0
40	PI2 BPSK	108	108	20.76	20.83	20.76	21.6	0.0
40	PI2 BPSK	216	0	20.83	20.84	20.84		
40	QPSK	1	1	20.03	20.05	20.02		
40	QPSK	1	108	20.23	20.85	20.78	21.6	0.0
40	QPSK	1	214	20.16	20.27	20.27		
40	QPSK	108	0	20.67	20.69	20.67		
40	QPSK	108	54	20.73	20.83	20.81	21.6	0.0
40	QPSK	108	108	20.76	20.82	20.80	21.6	0.0
40	QPSK	216	0	20.81	20.82	20.80		
40	16QAM	1	1	19.81	19.86	19.85	21.6	0.0
40	64QAM	1	1	19.77	19.83	19.80	21.6	0.0
40	256QAM	1	1	19.41	19.40	19.32	20.6	1.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.10	20.11	19.97	21.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.06	20.00	20.03	21.6	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.99	20.05	19.93	21.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.06	20.07	19.93	21.6	0.0
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.95	20.04	19.95	21.6	0.0

n66_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	22.41	22.53	22.49	23.7	0.0
40	PI2 BPSK	1	108	23.05	23.11	22.95		
40	PI2 BPSK	1	214	22.35	22.52	22.44		
40	PI2 BPSK	108	0	22.52	22.85	22.58	23.2	0.5
40	PI2 BPSK	108	54	22.91	23.03	22.93	23.7	0.0
40	PI2 BPSK	108	108	22.56	22.73	22.61	23.2	0.5
40	PI2 BPSK	216	0	22.68	22.76	22.61		
40	QPSK	1	1	22.29	22.43	22.39		
40	QPSK	1	108	22.56	22.15	22.11	23.7	0.0
40	QPSK	1	214	22.46	22.53	22.44		
40	QPSK	108	0	22.02	22.15	22.04		
40	QPSK	108	54	22.34	22.12	21.06	23.7	0.0
40	QPSK	108	108	22.12	22.18	22.05	22.7	1.0
40	QPSK	216	0	22.12	22.20	22.10		
40	16QAM	1	1	21.14	21.27	21.16	22.7	1.0
40	64QAM	1	1	19.62	19.71	19.54	21.2	2.5
40	256QAM	1	1	18.14	18.30	18.16	19.2	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.90	22.97	23.01	23.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.84	22.99	23.03	23.7	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.87	23.09	22.98	23.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.86	23.02	22.95	23.7	0.0
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.85	23.07	22.93	23.7	0.0



n38_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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	24.30	24.35	24.17	25.5	0.0	
40	Pl2 BPSK	1	53	24.80	24.63	24.76			
40	Pl2 BPSK	1	104	24.22	24.37	24.25			
40	Pl2 BPSK	50	0	24.03	24.14	24.11	25.0	0.5	
40	Pl2 BPSK	50	28	24.77	24.84	24.69	25.5	0.0	
40	Pl2 BPSK	50	56	24.00	24.16	24.01	25.0	0.5	
40	Pl2 BPSK	100	0	24.18	24.26	24.17			
40	QPSK	1	1	24.17	24.30	24.23			
40	QPSK	1	53	24.75	24.65	24.70	25.5	0.0	
40	QPSK	1	104	24.41	24.51	24.48	25.5	0.0	
40	QPSK	50	0	23.86	23.69	23.59			
40	QPSK	50	28	23.70	23.82	23.67			
40	QPSK	50	56	23.80	23.68	23.52	24.5	1.0	
40	QPSK	100	0	23.57	23.72	23.54			
40	16QAM	1	1	22.96	23.11	23.03	24.5	1.0	
40	8QAM	1	1	21.44	21.61	21.58	23.0	2.5	
40	256QAM	1	1	20.20	20.24	20.12	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.01	2595	2604.99	25.5 <td colspan="2">0.0</td>	0.0	
30	QPSK	1	1	24.59	24.75	24.53	25.5	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580 <td>2595</td> <td>2610</td> <td>25.5</td> <td colspan="2">0.0</td>	2595	2610	25.5	0.0	
20	QPSK	1	1	24.70	24.79	24.63	25.5	0.0	

n38 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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	18.04	18.05	18.01	19.9	0.0	
40	Pl2 BPSK	1	53	18.50	18.49	18.48			
40	Pl2 BPSK	1	104	18.01	18.06	18.01			
40	Pl2 BPSK	50	0	18.44	18.43	18.42	19.9	0.0	
40	Pl2 BPSK	50	28	18.45	18.46	18.41	19.9	0.0	
40	Pl2 BPSK	50	56	18.35	18.35	18.29	19.9	0.0	
40	Pl2 BPSK	100	0	18.40	18.45	18.40			
40	QPSK	1	1	18.04	18.08	18.04			
40	QPSK	1	53	18.44	18.50	18.48	19.9	0.0	
40	QPSK	1	104	18.12	18.00	18.05	19.9	0.0	
40	QPSK	50	0	18.36	18.35	18.35			
40	QPSK	50	28	18.42	18.45	18.41			
40	QPSK	50	56	18.36	18.36	18.38	19.9	0.0	
40	QPSK	100	0	18.34	18.39	18.37			
40	16QAM	1	1	18.04	18.00	18.01	19.9	0.0	
40	64QAM	1	1	18.02	18.01	18.07	19.9	0.0	
40	256QAM	1	1	18.37	18.39	18.31	18.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.01	2595	2604.99	19.9 <td colspan="2">0.0</td>	0.0	
30	QPSK	1	1	18.03	18.01	18.10	19.9	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580 <td>2595</td> <td>2610</td> <td>19.9</td> <td colspan="2">0.0</td>	2595	2610	19.9	0.0	
20	QPSK	1	1	18.02	18.03	18.06	19.9	0.0	

n38_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				518004	518000	518996			
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	17.78	17.70	17.79	19.7	0.0	
40	Pl2 BPSK	1	53	18.26	18.19	18.10			
40	Pl2 BPSK	1	104	17.80	17.82	17.79			
40	Pl2 BPSK	50	0	17.95	18.06	17.96	19.7	0.0	
40	Pl2 BPSK	50	28	18.23	18.18	18.09	19.7	0.0	
40	Pl2 BPSK	50	56	18.12	18.23	18.21	19.7	0.0	
40	Pl2 BPSK	100	0	18.18	18.15	18.11			
40	QPSK	1	1	17.78	17.76	17.78			
40	QPSK	1	53	18.23	18.27	18.17	19.7	0.0	
40	QPSK	1	104	17.78	17.83	17.81	19.7	0.0	
40	QPSK	50	0	17.99	18.02	18.05			
40	QPSK	50	28	18.15	18.24	18.15			
40	QPSK	50	56	18.12	18.16	18.14	19.7	0.0	
40	QPSK	100	0	18.04	18.21	17.88			
40	16QAM	1	1	17.74	17.70	17.70	19.7	0.0	
40	8QAM	1	1	17.73	17.75	17.78	19.7	0.0	
40	256QAM	1	1	18.02	18.04	17.88	18.7	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2583.01	2595	2604.99	19.7	0.0	
30	QPSK	1	1	17.79	17.87	17.83	19.7	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580 <td>2595</td> <td>2610</td> <td>19.7</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td>	2595	2610	19.7	0.0	
20	QPSK	1	1	17.78	17.79	17.88	19.7	0.0	

n38_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.6	0.0	
Frequency (MHz)				2560.02	2565	2569.98			
40	PI2 BPSK	1	1	23.01	23.06	22.93	24.6	0.0	
40	PI2 BPSK	1	53	23.52	23.52	23.54			
40	PI2 BPSK	1	104	23.03	23.16	23.11			
40	PI2 BPSK	50	0	22.67	22.83	22.72	24.1	0.5	
40	PI2 BPSK	50	26	23.36	23.51	23.43	24.6	0.0	
40	PI2 BPSK	50	56	22.78	22.63	22.77	24.1	0.5	
40	PI2 BPSK	100	0	22.83	22.96	22.87			
40	QPSK	1	1	22.92	22.95	22.87			
40	QPSK	1	53	23.47	23.55	23.54	24.6	0.0	
40	QPSK	1	104	22.99	23.08	22.92	24.6	0.0	
40	QPSK	50	0	22.27	22.36	22.26			
40	QPSK	50	26	23.47	23.51	23.45			
40	QPSK	50	56	22.35	22.41	22.24	23.6	1.0	
40	QPSK	100	0	22.34	22.43	22.33			
40	16QAM	1	1	21.74	21.82	21.71	23.6	1.0	
40	64QAM	1	1	20.17	20.34	20.31	22.1	2.5	
40	256QAM	1	1	18.86	18.92	18.90	20.1	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2561.01	2565	2569.99	(dB)		
30	QPSK	1	1	23.42	23.35	23.43	24.6	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2560	2565	2610	(dB)		
20	QPSK	1	1	23.36	23.43	23.41	24.6	0.0	

n41_FCC_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				509202	518998	520600			
Frequency (MHz)				2546.01	2552.99	2540			
100	PI2 BPSK	1	1	23.64	23.68	23.59	25.5	0.0	
100	PI2 BPSK	1	137	24.58	24.72	24.55			
100	PI2 BPSK	1	271	23.66	23.69	23.57			
100	PI2 BPSK	135	0	23.92	24.02	23.91	25.0	0.5	
100	PI2 BPSK	135	69	24.66	24.76	24.65	25.5	0.0	
100	PI2 BPSK	135	138	23.81	23.92	23.87	25.0	0.5	
100	PI2 BPSK	270	0	23.82	23.89	23.88			
100	QPSK	1	1	23.56	23.62	23.58			
100	QPSK	1	137	24.59	24.87	24.71	25.5	0.0	
100	QPSK	1	271	23.57	23.72	23.60	25.5	0.0	
100	QPSK	135	0	23.53	23.62	23.51			
100	QPSK	135	69	24.54	24.78	24.54			
100	QPSK	135	138	23.54	23.58	23.56	24.5	1.0	
100	QPSK	270	0	23.40	23.56	23.40			
100	16QAM	1	1	22.52	22.61	22.58	24.5	1.0	
100	64QAM	1	1	21.06	21.17	21.15	23.0	2.5	
100	256QAM	1	1	19.44	19.56	19.49	21.0	4.5	
Channel				509200	518998	520996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2552.99	2544.98	(dBm)	(dB)	
90	QPSK	1	1	24.43	24.79	24.61	25.5	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2552.99	2548.99	(dBm)	(dB)	
80	QPSK	1	1	24.35	24.74	24.63	25.5	0.0	
Channel				505200	518998	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2552.99	2558.98	(dBm)	(dB)	
60	QPSK	1	1	24.53	24.79	24.67	25.5	0.0	
Channel				504204	518998	522004	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2552.99	2554.99	(dBm)	(dB)	
50	QPSK	1	1	24.43	24.78	24.66	25.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2552.99	2570	(dBm)	(dB)	
40	QPSK	1	1	24.43	24.71	24.64	25.5	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2552.99	2574.98	(dBm)	(dB)	
30	QPSK	1	1	24.56	24.80	24.57	25.5	0.0	
Channel				501204	518998	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2552.99	2579.99	(dBm)	(dB)	
20	QPSK	1	1	24.47	24.63	24.66	25.5	0.0	

n41_FCC_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				509202	518998	520600	25.5		
Frequency (MHz)				2546.01	2552.99	2540			
100	PI2 BPSK	1	1	18.09	18.02	18.09	19.9	0.0	
100	PI2 BPSK	1	137	18.63	18.61	18.49			
100	PI2 BPSK	1	271	18.04	17.92	17.92			
100	PI2 BPSK	135	0	18.44	18.49	18.38	19.9	0.0	
100	PI2 BPSK	135	69	18.57	18.68	18.68	19.9	0.0	
100	PI2 BPSK	135	138	18.34	18.39	18.33	19.9	0.0	
100	PI2 BPSK	270	0	18.33	18.40	18.36			
100	QPSK	1	1	17.97	18.01	18.03			
100	QPSK	1	137	18.62	18.70	18.60	19.9	0.0	
100	QPSK	1	271	18.05	18.07	17.96	19.9	0.0	
100	QPSK	135	0	18.46	18.47	18.40			
100	QPSK	135	69	18.59	18.68	18.64			
100	QPSK	135	138	18.29	18.41	18.31	19.9	0.0	
100	QPSK	270	0	18.31	18.64	18.43			
100	16QAM	1	1	17.99	18.02	18.00	19.9	0.0	
100	64QAM	1	1	18.05	18.03	18.08	19.9	0.0	
100	256QAM	1	1	18.25	18.20	18.27	19.9	0.0	
Channel				508200	518998	520996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2544.98	(dB)		
90	QPSK	1	1	18.06	18.02	18.00	19.9	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2552.99	2548.99	(dB)		
80	QPSK	1	1	17.91	17.96	18.03	19.9	0.0	
Channel				505200	518998	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2558.98	(dB)		
60	QPSK	1	1	17.95	18.08	18.01	19.9	0.0	
Channel				504204	518998	522004	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2552.99	2554.99	(dB)		
50	QPSK	1	1	17.95	17.99	18.10	19.9	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2570	(dB)		
40	QPSK	1	1	17.93	18.02	17.98	19.9	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98	(dB)		
30	QPSK	1	1	17.95	18.00	17.97	19.9	0.0	
Channel				501204	518998	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2679.99	(dB)		
20	QPSK	1	1	17.92	17.98	18.06	19.9	0.0	



n41_FCC_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				5050.02	5189.98	5290.00	2640		
Frequency (MHz)				2646.01	2692.99	2640			
100	PI2 BPSK	1	1	15.21	15.27	15.22	17.2		
100	PI2 BPSK	1	137	15.81	15.78	15.72			
100	PI2 BPSK	1	271	15.41	15.43	15.42		0.0	
100	PI2 BPSK	135	0	15.65	15.65	15.58	17.2	0.0	
100	PI2 BPSK	135	69	15.71	15.64	15.65	17.2	0.0	
100	PI2 BPSK	135	138	15.70	15.60	15.61	17.2	0.0	
100	PI2 BPSK	270	0	15.68	15.71	15.71			
100	QPSK	1	1	15.25	15.28	15.23	17.2		
100	QPSK	1	137	15.75	15.66	15.75		0.0	
100	QPSK	1	271	15.29	15.42	15.34			
100	QPSK	135	0	15.67	15.66	15.68	17.2		
100	QPSK	135	69	15.75	15.64	15.71		0.0	
100	QPSK	135	138	15.67	15.76	15.64			
100	QPSK	270	0	15.62	15.61	15.59	17.2	0.0	
100	16QAM	1	1	15.20	15.26	15.29	17.2	0.0	
100	64QAM	1	1	15.27	15.27	15.25	17.2	0.0	
100	256QAM	1	1	15.57	15.61	15.54	17.2	0.0	
Channel				5050.00	5189.98	5290.96	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
50	QPSK	1	1	15.33	15.35	15.41	17.2	0.0	
Channel				507204	5189.98	5290.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	15.33	15.34	15.41	17.2	0.0	
Channel				502500	5189.98	5310.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	15.42	15.48	15.37	17.2	0.0	
Channel				504204	5189.98	5320.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	15.40	15.42	15.30	17.2	0.0	
Channel				503202	5189.98	5340.00	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.37	15.41	15.34	17.2	0.0	
Channel				502200	5189.98	5349.96	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.48	15.41	15.30	17.2	0.0	
Channel				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.41	15.42	15.38	17.2	0.0	

n41_FCC_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5050.02	5189.98	5290.00	2640		
Frequency (MHz)				2646.01	2692.99	2640			
100	PI2 BPSK	1	1	22.67	22.65	22.63	24.6		
100	PI2 BPSK	1	137	23.42	23.45	23.42		0.0	
100	PI2 BPSK	1	271	22.66	22.75	22.66			
100	PI2 BPSK	135	0	22.67	22.73	22.66	24.1	0.5	
100	PI2 BPSK	135	69	23.38	23.48	23.33	24.6	0.0	
100	PI2 BPSK	135	138	22.59	22.71	22.68	24.1	0.5	
100	PI2 BPSK	270	0	22.59	22.75	22.61			
100	QPSK	1	1	22.62	22.61	22.66	24.6		
100	QPSK	1	137	23.37	23.57	23.32		0.0	
100	QPSK	1	271	22.61	22.72	22.61			
100	QPSK	135	0	22.32	22.38	22.29	24.6		
100	QPSK	135	69	23.35	23.53	23.31		0.0	
100	QPSK	135	138	22.33	22.48	22.43			
100	QPSK	270	0	22.23	22.35	22.16	23.6	1.0	
100	16QAM	1	1	21.69	21.62	21.61	23.6	1.0	
100	64QAM	1	1	20.17	20.15	20.70	22.1	2.5	
100	256QAM	1	1	18.25	18.40	18.29	20.1	4.5	
Channel				5050.00	5189.98	5290.96	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
50	QPSK	1	1	23.24	23.52	23.19	24.6	0.0	
Channel				507204	5189.98	5290.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	23.17	23.54	23.20	24.6	0.0	
Channel				502500	5189.98	5310.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	23.23	23.53	23.25	24.6	0.0	
Channel				504204	5189.98	5320.98	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	23.24	23.40	23.25	24.6	0.0	
Channel				503202	5189.98	5340.00	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.14	23.53	23.25	24.6	0.0	
Channel				502200	5189.98	5349.96	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.23	23.50	23.22	24.6	0.0	
Channel				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.23	23.45	23.23	24.6	0.0	

Part27Q_n77_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									
100	PI2 BPSK	1	1		14.68		15.9	0.0	
100	PI2 BPSK	1	137		15.38				
100	PI2 BPSK	1	271		14.50				
100	PI2 BPSK	135	0		15.17		15.9	0.0	
100	PI2 BPSK	135	69		15.32			0.0	
100	PI2 BPSK	135	138		15.18			0.0	
100	PI2 BPSK	270	0		15.19		15.9	0.0	
100	QPSK	1	1		14.65				
100	QPSK	1	137		15.37			0.0	
100	QPSK	1	271		15.33		15.9		
100	QPSK	135	0		14.19			0.0	
100	QPSK	135	69		15.35			0.0	
100	QPSK	135	138		15.17		15.9		
100	QPSK	270	0		15.33			0.0	
100	16QAM	1	1		14.46			0.0	
100	64QAM	1	1		14.39		15.9		
100	256QAM	1	1		15.00			0.0	
Channel				6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	14.38	14.43	14.27	15.9	0.0	
Channel				6309.98	6333.32	6340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	14.16	14.14	14.14	15.9	0.0	
Channel				6320.00	6333.32	6346.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	14.25	14.24	14.18	15.9	0.0	
Channel				6319.98	6333.32	6350.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.00	3499.98	3505			
50	QPSK	1	1	14.48	14.42	14.25	15.9	0.0	
Channel				6313.34	6333.32	6353.32	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	14.27	14.22	14.18	15.9	0.0	
Channel				6320.00	6333.32	6350.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.99	3499.98	3500			
20	QPSK	1	1	14.64	14.61	14.39	15.9	0.0	



Part27Q_n77(HPUE)_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				633332					
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1	17.11					
100	PI2 BPSK	1	137	17.61			18.9	0.0	
100	PI2 BPSK	1	271	17.94					
100	PI2 BPSK	135	0	17.78			18.9	0.0	
100	PI2 BPSK	135	69	17.85			18.9	0.0	
100	PI2 BPSK	135	138	17.68			18.9	0.0	
100	PI2 BPSK	270	0	17.74					
100	QPSK	1	1	17.08					
100	QPSK	1	137	17.91			18.9	0.0	
100	QPSK	1	271	18.98					
100	QPSK	135	0	17.79					
100	QPSK	135	69	17.88			18.9	0.0	
100	QPSK	135	138	17.68					
100	QPSK	270	0	17.74			18.9	0.0	
100	16QAM	1	1	17.38			18.9	0.0	
100	64QAM	1	1	17.29			18.9	0.0	
100	256QAM	1	1	17.20			18.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3469	3469.98	3470.99	(dBm)	(dB)	
50	QPSK	1	1	17.30	17.15	17.15	18.9	0.0	
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3510	(dBm)	(dB)	
80	QPSK	1	1	17.41	17.23	17.23	18.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3469.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	17.35	17.21	17.01	18.9	0.0	
Channel				631068	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.92	3469.98	3505	(dBm)	(dB)	
50	QPSK	1	1	17.37	17.33	17.03	18.9	0.0	
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3476.01	3469.98	3503.98	(dBm)	(dB)	
40	QPSK	1	1	17.32	17.16	17.07	18.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.43	17.19	17.21	18.9	0.0	

Part27O_n77_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				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.29	14.29	14.29			
100	PI2 BPSK	1	137	14.92	15.04	14.92	15.9	0.0	
100	PI2 BPSK	1	271	14.26	14.23	14.15			
100	PI2 BPSK	135	0	14.97	15.02	15.04	15.9	0.0	
100	PI2 BPSK	135	69	15.11	15.05	14.92	15.9	0.0	
100	PI2 BPSK	135	138	14.85	14.83	14.93	15.9	0.0	
100	PI2 BPSK	270	0	14.92	14.94	14.81			
100	QPSK	1	1	14.34	14.40	14.46			
100	QPSK	1	137	15.05	15.16	14.93	15.9	0.0	
100	QPSK	1	271	14.37	14.38	14.42			
100	QPSK	135	0	14.96	15.01	14.88			
100	QPSK	135	69	15.05	15.14	14.95	15.9	0.0	
100	QPSK	135	138	14.86	14.85	14.84			
100	QPSK	270	0	14.87	15.12	14.96	15.9	0.0	
100	16QAM	1	1	14.93	14.16	14.14	15.9	0.0	
100	64QAM	1	1	14.20	14.23	14.20	15.9	0.0	
100	256QAM	1	1	14.77	14.75	14.81	15.9	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.92	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	14.16	14.00	14.09	15.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3938.99	(dBm)	(dB)	
80	QPSK	1	1	14.14	14.21	14.29	15.9	0.0	
Channel				648968	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3948.98	(dBm)	(dB)	
60	QPSK	1	1	14.27	14.41	14.46	15.9	0.0	
Channel				648334	650000	650596	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.91	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	14.48	14.48	14.50	15.9	0.0	
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	14.13	14.30	14.17	15.9	0.0	
Channel				647334	650000	650486	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	14.29	14.64	14.54	15.9	0.0	

Part27O_n77(HPUE)_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				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.37	17.42	17.45			
100	PI2 BPSK	1	137	18.09	18.09	18.14	18.9	0.0	
100	PI2 BPSK	1	271	17.19	17.29	17.28			
100	PI2 BPSK	135	0	18.04	18.05	18.05	18.9	0.0	
100	PI2 BPSK	135	69	18.17	18.19	18.13	18.9	0.0	
100	PI2 BPSK	135	138	17.88	18.00	17.93	18.9	0.0	
100	PI2 BPSK	270	0	18.07	18.01	17.97			
100	QPSK	1	1	17.37	17.35	17.31			
100	QPSK	1	137	18.05	18.23	18.01	18.9	0.0	
100	QPSK	1	271	17.33	17.29	17.28			
100	QPSK	135	0	18.63	18.01	17.95			
100	QPSK	135	69	18.55	18.20	18.05	18.9	0.0	
100	QPSK	135	138	17.91	17.96	17.98			
100	QPSK	270	0	18.05	18.14	18.00	18.9	0.0	
100	16QAM	1	1	17.60	17.61	17.51	18.9	0.0	
100	64QAM	1	1	17.42	17.53	17.47	18.9	0.0	
100	256QAM	1	1	17.47	17.52	17.56	18.9	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.92	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	17.06	17.19	17.20	18.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3938.99	(dBm)	(dB)	
80	QPSK	1	1	17.12	17.20	17.22	18.9	0.0	
Channel				648968	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3948.98	(dBm)	(dB)	
60	QPSK	1	1	17.38	17.38	17.44	18.9	0.0	
Channel				648334	650000	650596	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.91	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	17.55	17.58	17.44	18.9	0.0	
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	17.31	17.35	17.12	18.9	0.0	
Channel				647334	650000	650486	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	17.58	17.62	17.62	18.9	0.0	



Part27Q_n78_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				633332	3499.98				
Frequency (MHz)				14.73					
100	PI2 BPSK	1	1				15.9	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				15.9	0.0	
100	PI2 BPSK	135	69				15.9	0.0	
100	PI2 BPSK	135	138				15.9	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				15.9	0.0	
100	QPSK	1	271						
100	QPSK	135	0				15.9	0.0	
100	QPSK	135	69				15.9	0.0	
100	QPSK	135	138						
100	QPSK	270	0				15.9	0.0	
100	16QAM	1	1				15.9	0.0	
100	64QAM	1	1				15.9	0.0	
100	256QAM	1	1				15.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1				15.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1				15.9	0.0	
Channel				632336	633332	634336	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1				15.9	0.0	
Channel				631998	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.99	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1				15.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1				15.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1				15.9	0.0	
Channel				630598	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1				15.9	0.0	

Part27Q_n78(HPUE)_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				633332	3499.98				
Frequency (MHz)				17.14					
100	PI2 BPSK	1	1				18.9	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				18.9	0.0	
100	PI2 BPSK	135	69				18.9	0.0	
100	PI2 BPSK	135	138				18.9	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				18.9	0.0	
100	QPSK	1	271						
100	QPSK	135	0				18.9	0.0	
100	QPSK	135	69				18.9	0.0	
100	QPSK	135	138						
100	QPSK	270	0				18.9	0.0	
100	16QAM	1	1				18.9	0.0	
100	64QAM	1	1				18.9	0.0	
100	256QAM	1	1				18.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1				18.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1				18.9	0.0	
Channel				632336	633332	634336	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1				18.9	0.0	
Channel				631998	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.99	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1				18.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1				18.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1				18.9	0.0	
Channel				630598	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1				18.9	0.0	

Part27O_n78_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				3750					
Frequency (MHz)				14.14					
100	PI2 BPSK	1	1				15.9	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				15.9	0.0	
100	PI2 BPSK	135	69				15.9	0.0	
100	PI2 BPSK	135	138				15.9	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				15.9	0.0	
100	QPSK	1	271						
100	QPSK	135	0				15.9	0.0	
100	QPSK	135	69				15.9	0.0	
100	QPSK	135	138						
100	QPSK	270	0				15.9	0.0	
100	16QAM	1	1				15.9	0.0	
100	64QAM	1	1				15.9	0.0	
100	256QAM	1	1				15.9	0.0	
Channel				649998	650000	650002	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1				15.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1				15.9	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1				15.9	0.0	
Channel				648000	650000	651998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1				15.9	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3784.98	(dBm)	(dB)	
40	QPSK	1	1				15.9	0.0	
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720.01	3750	3794.98	(dBm)	(dB)	
30	QPSK	1	1				15.9	0.0	
Channel				646000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.01	3750	3800.00	(dBm)	(dB)	
20	QPSK	1	1				15.9	0.0	

Part27O_n78(HPUE)_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)									
100	PI2 BPSK	1	1		3750				
100	PI2 BPSK	1	1		17.14				
100	PI2 BPSK	1	137		17.89		18.9	0.0	
100	PI2 BPSK	1	271		17.46				
100	PI2 BPSK	135	0		17.85		18.9	0.0	
100	PI2 BPSK	135	69		18.00		18.9	0.0	
100	PI2 BPSK	135	138		18.05		18.9	0.0	
100	PI2 BPSK	270	0		17.89				
100	QPSK	1	1		17.00				
100	QPSK	1	137		18.07		18.9	0.0	
100	QPSK	1	271		17.31				
100	QPSK	135	0		17.78				
100	QPSK	135	69		18.05		18.9	0.0	
100	QPSK	135	138		18.01				
100	QPSK	270	0		17.85		18.9	0.0	
100	16QAM	1	1		17.22		18.9	0.0	
100	64QAM	1	1		17.13		18.9	0.0	
100	256QAM	1	1		17.08		18.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64998	65000	65032	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3745.02	3750	3754.98			
50	QPSK	1	1	17.07	17.06	17.23	18.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	3740.01	3750	3759.99			
80	QPSK	1	1	17.02	17.00	17.21	18.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64950	65000	65132	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	3750.02	3750	3769.98			
60	QPSK	1	1	17.15	17.14	17.08	18.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3725.01	3750	3774.99			
50	QPSK	1	1	17.35	17.51	17.59	18.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3725.01	3750	3774.99			
40	QPSK	1	1	17.13	17.07	17.23	18.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64741	65000	65266	Tune-up limit (dBm)	MPR	(dB)
30	QPSK	1	1	3710.01	3750	3789.99			
30	QPSK	1	1	17.49	17.60	17.36	18.9	0.0	

Part27Q_n77_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		63332	3499.98			
100	PI2 BPSK	1	1		18.28				
100	PI2 BPSK	1	137		18.82		19.8	0.0	
100	PI2 BPSK	1	271		18.08				
100	PI2 BPSK	135	0		18.78		19.8	0.0	
100	PI2 BPSK	135	69		18.93		19.8	0.0	
100	PI2 BPSK	135	138		18.68		19.8	0.0	
100	PI2 BPSK	270	0		18.77				
100	QPSK	1	1		18.26				
100	QPSK	1	137		18.95		19.8	0.0	
100	QPSK	1	271		18.14				
100	QPSK	135	0		18.83				
100	QPSK	135	69		18.91		19.8	0.0	
100	QPSK	135	138		18.73				
100	QPSK	270	0		18.86		19.8	0.0	
100	16QAM	1	1		18.11		19.8	0.0	
100	64QAM	1	1		18.14		19.8	0.0	
100	256QAM	1	1		18.77		19.8	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1	3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	17.96	18.01	17.99	19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	17.88	18.20	18.16	19.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63332	63466	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	18.51	18.44	18.33	19.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3476.02	3499.98	3526	(dBm)	(dB)	
50	QPSK	1	1	18.24	18.27	18.27	19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.27	18.29	18.20	19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3460.02	3499.98	3540	(dBm)	(dB)	
40	QPSK	1	1	18.51	18.67	18.49	19.8	0.0	

Part27Q_n77(HPUE)_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)									
100	PI2 BPSK	1	1		63332	3499.98			
100	PI2 BPSK	1	1		21.06				
100	PI2 BPSK	1	137		21.82		22.8	0.0	
100	PI2 BPSK	1	271		20.83				
100	PI2 BPSK	135	0		21.72		22.8	0.0	
100	PI2 BPSK	135	69		21.78		22.8	0.0	
100	PI2 BPSK	135	138		21.66		22.8	0.0	
100	PI2 BPSK	270	0		21.64				
100	QPSK	1	1		20.98				
100	QPSK	1	137		21.87		22.8	0.0	
100	QPSK	1	271		20.84				
100	QPSK	135	0		21.73				
100	QPSK	135	69		21.85		22.8	0.0	
100	QPSK	135	138		21.83				
100	QPSK	270	0		21.81		22.8	0.0	
100	16QAM	1	1		21.23		22.8	0.0	
100	64QAM	1	1		21.13		22.8	0.0	
100	256QAM	1	1		20.10		21.8	1.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		3495	3499.98	3504.99	(dBm)	(dB)
50	QPSK	1	1		20.96	20.94	20.82	22.8	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		3480.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1		21.23	21.10	21.06	22.8	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1		21.11	21.23	21.03	22.8	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1		21.15	21.23	21.41	22.8	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1		21.15	21.10	21.22	22.8	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1		21.42	21.47	21.46	22.8	0.0



Part27O_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.50	17.67	17.65	19.8	0.0	
100	PI2 BPSK	1	137	18.26	18.48	18.39			
100	PI2 BPSK	1	271	17.50	17.85	17.73			
100	PI2 BPSK	135	0	18.08	18.27	18.17	19.8	0.0	
100	PI2 BPSK	135	69	18.23	18.52	18.42	19.8	0.0	
100	PI2 BPSK	135	138	18.26	18.46	18.33	19.8	0.0	
100	PI2 BPSK	270	0	18.11	18.33	18.17			
100	QPSK	1	1	17.53	17.64	17.55			
100	QPSK	1	137	18.42	18.66	18.55	19.8	0.0	
100	QPSK	1	271	17.88	17.89	17.71			
100	QPSK	135	0	17.99	18.24	18.15			
100	QPSK	135	69	18.40	18.63	18.55	19.8	0.0	
100	QPSK	135	138	18.14	18.42	18.26	19.8	0.0	
100	QPSK	270	0	18.36	18.57	18.39			
100	16QAM	1	1	17.51	17.57	17.55	19.8	0.0	
100	64QAM	1	1	17.51	17.53	17.52	19.8	0.0	
100	256QAM	1	1	17.82	18.03	17.87	19.8	0.0	
Channel				649888	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	17.61	17.56	17.62	19.8	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	17.61	17.72	17.60	19.8	0.0	
Channel				649958	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	17.66	17.71	17.73	19.8	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	18.07	18.11	18.10	19.8	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	17.84	17.86	17.90	19.8	0.0	
Channel				647334	650000	654996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	17.77	17.86	17.87	19.8	0.0	

Part27O_n77(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.51	20.53	20.53	22.8	0.0	
100	PI2 BPSK	1	137	21.20	21.42	21.32			
100	PI2 BPSK	1	271	20.50	20.59	20.51			
100	PI2 BPSK	135	0	20.98	21.18	20.98	22.8	0.0	
100	PI2 BPSK	135	69	21.22	21.43	21.22	22.8	0.0	
100	PI2 BPSK	135	138	20.95	21.26	21.09	22.8	0.0	
100	PI2 BPSK	270	0	21.02	21.24	21.14			
100	QPSK	1	1	20.52	20.58	20.50			
100	QPSK	1	137	21.32	21.53	21.42	22.8	0.0	
100	QPSK	1	271	20.51	20.53	20.51	22.8	0.0	
100	QPSK	135	0	20.91	21.16	20.96			
100	QPSK	135	69	21.30	21.49	21.35			
100	QPSK	135	138	20.99	21.27	21.16	22.8	0.0	
100	QPSK	270	0	21.19	21.43	21.33			
100	16QAM	1	1	20.54	20.58	20.50	22.8	0.0	
100	64QAM	1	1	20.51	20.61	20.52	22.8	0.0	
100	256QAM	1	1	19.50	19.56	19.51	21.8	1.0	
Channel				649888	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	20.59	20.53	20.50	22.8	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	20.65	20.68	20.70	22.8	0.0	
Channel				649958	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	20.81	20.88	20.95	22.8	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	20.94	21.04	20.98	22.8	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	20.71	20.75	20.74	22.8	0.0	
Channel				647334	650000	654996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	21.17	21.12	21.26	22.8	0.0	

Part27Q_n78_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)				3499.98	633332	3499.98			
100	PI2 BPSK	1	1	18.81			20.3	0.0	
100	PI2 BPSK	1	137	19.36					
100	PI2 BPSK	1	271	18.59					
100	PI2 BPSK	135	0	19.33			20.3	0.0	
100	PI2 BPSK	135	69	19.32			20.3	0.0	
100	PI2 BPSK	135	138	19.14			20.3	0.0	
100	PI2 BPSK	270	0	19.23					
100	QPSK	1	1	18.83					
100	QPSK	1	137	19.43			20.3	0.0	
100	QPSK	1	271	18.56					
100	QPSK	135	0	19.31					
100	QPSK	135	69	19.38			20.3	0.0	
100	QPSK	135	138	19.15					
100	QPSK	270	0	19.31			20.3	0.0	
100	16QAM	1	1	18.57			20.3	0.0	
100	64QAM	1	1	18.61			20.3	0.0	
100	256QAM	1	1	19.20			20.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
50	QPSK	1	1	18.57	18.62	18.69	20.3	0.0	
Channel				632988	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.58	18.62	18.72	20.3	0.0	
Channel				632950	633332	634066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	18.76	18.81	18.86	20.3	0.0	
Channel				631988	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	18.90	18.99	18.87	20.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.99	(dBm)	(dB)	
40	QPSK	1	1	18.75	18.70	18.67	20.3	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	18.87	18.89	18.89	20.3	0.0	
Channel				630958	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.02	19.02	18.87	20.3	0.0	

Part27Q_n78(HPUE)_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				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	21.52				23.3	0.0
100	PI2 BPSK	1	137	22.23					
100	PI2 BPSK	1	271	21.38					
100	PI2 BPSK	135	0	22.16			23.3	0.0	
100	PI2 BPSK	135	69	22.21			23.3	0.0	
100	PI2 BPSK	135	138	22.07			23.3	0.0	
100	PI2 BPSK	270	0	22.12					
100	QPSK	1	1	21.47					
100	QPSK	1	137	22.36			23.3	0.0	
100	QPSK	1	271	21.35					
100	QPSK	135	0	22.17					
100	QPSK	135	69	22.32			23.3	0.0	
100	QPSK	135	138	22.03					
100	QPSK	270	0	22.24			23.3	0.0	
100	16QAM	1	1	21.73			23.3	0.0	
100	64QAM	1	1	21.67			23.3	0.0	
100	256QAM	1	1	20.34			21.8	1.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	21.59	21.43	21.53	23.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	21.58	21.55	21.60	23.3	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	21.77	21.71	21.65	23.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98	(dBm)	(dB)	
40	QPSK	1	1	21.57	21.59	21.63	23.3	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	21.82	21.76	21.79	23.3	0.0	
Channel				630568	633332	636300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	21.98	21.95	21.95	23.3	0.0	

Part27O_n78_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	18.41				20.3	0.0
100	PI2 BPSK	1	137	19.01					
100	PI2 BPSK	1	271	18.35					
100	PI2 BPSK	135	0	18.83			20.3	0.0	
100	PI2 BPSK	135	69	18.97			20.3	0.0	
100	PI2 BPSK	135	138	18.62			20.3	0.0	
100	PI2 BPSK	270	0	18.89					
100	QPSK	1	1	18.35					
100	QPSK	1	137	18.07			20.3	0.0	
100	QPSK	1	271	18.31					
100	QPSK	135	0	18.88					
100	QPSK	135	69	19.04			20.3	0.0	
100	QPSK	135	138	18.91					
100	QPSK	270	0	18.88			20.3	0.0	
100	16QAM	1	1	18.33			20.3	0.0	
100	64QAM	1	1	18.38			20.3	0.0	
100	256QAM	1	1	18.62			20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	18.38	18.35	18.31	20.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.32	18.34	18.32	20.3	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	18.56	18.51	18.54	20.3	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.67	18.58	18.65	20.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.44	18.51	18.44	20.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	18.61	18.63	18.65	20.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	18.88	18.75	18.84	20.3	0.0	

Part27O_n78(HPUE)_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	21.36				23.3	0.0
100	PI2 BPSK	1	137	21.96					
100	PI2 BPSK	1	271	21.30					
100	PI2 BPSK	135	0	21.74			23.3	0.0	
100	PI2 BPSK	135	69	21.98			23.3	0.0	
100	PI2 BPSK	135	138	21.84			23.3	0.0	
100	PI2 BPSK	270	0	21.79					
100	QPSK	1	1	21.38					
100	QPSK	1	137	21.99			23.3	0.0	
100	QPSK	1	271	21.34					
100	QPSK	135	0	21.73					
100	QPSK	135	69	21.98			23.3	0.0	
100	QPSK	135	138	21.78					
100	QPSK	270	0	21.81			23.3	0.0	
100	16QAM	1	1	21.38			23.3	0.0	
100	64QAM	1	1	21.34			23.3	0.0	
100	256QAM	1	1	18.85			21.8	1.5	
Channel				649968	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3743.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	21.42	21.37	21.39	23.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	21.30	21.45	21.46	23.3	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	21.68	21.77	21.79	23.3	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	21.73	21.84	21.77	23.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.48	21.52	21.49	23.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	21.67	21.78	21.78	23.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	21.89	21.92	21.82	23.3	0.0	

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	18.19			17.5	0.0	
100	PI2 BPSK	1	137	18.91					
100	PI2 BPSK	1	271	18.31					
100	PI2 BPSK	135	0	16.80			17.5	0.0	
100	PI2 BPSK	135	69	16.88			17.5	0.0	
100	PI2 BPSK	135	138	16.87			17.5	0.0	
100	PI2 BPSK	270	0	16.82			17.5	0.0	
100	QPSK	1	1	16.23					
100	QPSK	1	137	16.96					
100	QPSK	1	271	16.33			17.5	0.0	
100	QPSK	135	0	16.75					
100	QPSK	135	69	16.91					
100	QPSK	135	138	16.86			17.5	0.0	
100	QPSK	270	0	16.88					
100	16QAM	1	1	16.00			17.5	0.0	
100	64QAM	1	1	15.98			17.5	0.0	
100	256QAM	1	1	16.58			17.5	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	15.62	15.75	16.00	17.5	0.0	
Channel				630688	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.95	15.82	15.99	17.5	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)	
60	QPSK	1	1	16.12	16.06	16.16	17.5	0.0	
Channel				631098	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98	(dBm)	(dB)	
40	QPSK	1	1	16.02	16.00	16.00	17.5	0.0	
Channel				630688	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.40	16.52	16.52	17.5	0.0	

Part27Q_n77(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	19.25			20.5	0.0	
100	PI2 BPSK	1	137	19.94					
100	PI2 BPSK	1	271	19.34					
100	PI2 BPSK	135	0	19.89			20.5	0.0	
100	PI2 BPSK	135	69	19.91			20.5	0.0	
100	PI2 BPSK	135	138	19.95			20.5	0.0	
100	PI2 BPSK	270	0	19.91			20.5	0.0	
100	QPSK	1	1	19.23					
100	QPSK	1	137	20.05					
100	QPSK	1	271	19.31			20.5	0.0	
100	QPSK	135	0	19.91					
100	QPSK	135	69	20.00					
100	QPSK	135	138	19.93			20.5	0.0	
100	QPSK	270	0	19.95					
100	16QAM	1	1	19.50			20.5	0.0	
100	64QAM	1	1	19.38			20.5	0.0	
100	256QAM	1	1	19.34			20.5	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	19.46	19.49	19.56	20.5	0.0	
Channel				630688	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.42	19.47	19.58	20.5	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)	
60	QPSK	1	1	19.59	19.61	19.55	20.5	0.0	
Channel				631098	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98	(dBm)	(dB)	
40	QPSK	1	1	19.52	19.54	19.63	20.5	0.0	
Channel				630688	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.70	19.72	19.79	20.5	0.0	

0.5

Part27O_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	18.03	18.09	18.04	17.5	0.0	
100	PI2 BPSK	1	137	18.86	18.92	18.89			
100	PI2 BPSK	1	271	18.37	18.34	18.39			
100	PI2 BPSK	135	0	16.77	16.74	16.78	17.5	0.0	
100	PI2 BPSK	135	69	16.92	16.89	16.89	17.5	0.0	
100	PI2 BPSK	135	138	16.82	16.84	16.81	17.5	0.0	
100	PI2 BPSK	270	0	16.79	16.75	16.87			
100	QPSK	1	1	15.98	16.03	16.03			
100	QPSK	1	137	16.85	16.96	16.85	17.5	0.0	
100	QPSK	1	271	16.21	16.30	16.35	17.5	0.0	
100	QPSK	135	0	16.62	16.70	16.63			
100	QPSK	135	69	16.86	16.94	16.92			
100	QPSK	135	138	16.76	16.85	16.74	17.5	0.0	
100	QPSK	270	0	16.68	16.69	16.75			
100	16QAM	1	1	15.73	15.68	15.93	17.5	0.0	
100	64QAM	1	1	15.98	15.89	15.78	17.5	0.0	
100	256QAM	1	1	16.39	16.42	16.36	17.5	0.0	
Channel				649998	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	16.13	16.16	16.09	17.5	0.0	
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	16.33	16.32	16.37	17.5	0.0	
Channel				649998	650000	663332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	16.48	16.51	16.52	17.5	0.0	
Channel				649334	650000	663666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	16.52	16.57	16.53	17.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	16.27	16.33	16.36	17.5	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	16.47	16.60	16.61	17.5	0.0	

Part270_n77(HPUE)_Ant 5									
BW [MHz]	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)				3750	3840	3930			
100	PI2 BPSK	1	1	19.11	19.09	19.01			
100	PI2 BPSK	1	137	19.89	19.93	19.84	20.5	0.0	
100	PI2 BPSK	1	271	19.24	19.35	19.43			
100	PI2 BPSK	135	0	19.63	19.76	19.81	20.5	0.0	
100	PI2 BPSK	135	69	19.85	19.84	19.88	20.5	0.0	
100	PI2 BPSK	135	138	19.78	19.91	19.78			
100	PI2 BPSK	270	0	19.82	19.82	19.83	20.5	0.0	
100	QPSK	1	1	19.06	19.06	18.96			
100	QPSK	1	137	19.78	19.96	19.85	20.5	0.0	
100	QPSK	1	271	19.15	19.22	19.23			
100	QPSK	135	0	19.72	19.72	19.67			
100	QPSK	135	69	19.74	19.96	19.90	20.5	0.0	
100	QPSK	135	138	19.66	19.87	19.78			
100	QPSK	270	0	19.82	19.82	19.86	20.5	0.0	
100	16QAM	1	1	19.21	19.23	19.19	20.5	0.0	
100	64QAM	1	1	19.22	19.20	19.21	20.5	0.0	
100	256QAM	1	1	18.99	19.11	19.05	20.5	0.0	
Channel				649988	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.06	(dBm)	(dB)	
50	QPSK	1	1	19.24	19.22	19.26	20.5	0.0	
Channel				649334	650000	662096	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3930.99	(dBm)	(dB)	
80	QPSK	1	1	19.34	19.22	19.21	20.5	0.0	
Channel				649988	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.29	19.34	19.33	20.5	0.0	
Channel				649334	650000	660996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.39	19.40	19.43	20.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.20	19.33	19.37	20.5	0.0	
Channel				647234	650000	664996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.37	19.49	19.56	20.5	0.0	

Part27Q_n78_Ant 5									
BW [MHz]	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)				633332	633332	6499.98			
100	PI2 BPSK	1	1		16.48				
100	PI2 BPSK	1	137		17.27	2024.99	18.0	0.0	
100	PI2 BPSK	1	271		16.56				
100	PI2 BPSK	135	0		17.03		18.0	0.0	
100	PI2 BPSK	135	69		17.23		18.0	0.0	
100	PI2 BPSK	135	138		17.14				
100	PI2 BPSK	270	0		17.09		18.0	0.0	
100	QPSK	1	1		16.87				
100	QPSK	1	137		17.40		18.0	0.0	
100	QPSK	1	271		16.91				
100	QPSK	135	0		17.67				
100	QPSK	135	69		17.26		18.0	0.0	
100	QPSK	135	138		17.18				
100	QPSK	270	0		17.24		18.0	0.0	
100	16QAM	1	1		17.67		18.0	0.0	
100	64QAM	1	1		17.62		18.0	0.0	
100	256QAM	1	1		17.09		18.0	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3524.99	(dBm)	(dB)	
50	QPSK	1	1	16.22	16.24	16.17	18.0	0.0	
Channel				632698	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	16.20	16.31	16.23	18.0	0.0	
Channel				632000	633332	634696	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	16.41	16.50	16.47	18.0	0.0	
Channel				631698	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	16.65	16.69	16.65	18.0	0.0	
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3523.99	(dBm)	(dB)	
40	QPSK	1	1	16.85	16.89	16.91	18.0	0.0	
Channel				631000	633332	636996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	16.56	16.69	16.73	18.0	0.0	
Channel				630698	633332	637000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.10	17.13	17.12	18.0	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW [MHz]	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)				633332	633332	6499.98			
100	PI2 BPSK	1	1		19.52				
100	PI2 BPSK	1	137		20.30		21.0	0.0	
100	PI2 BPSK	1	271		19.60				
100	PI2 BPSK	135	0		20.15		21.0	0.0	
100	PI2 BPSK	135	69		20.28		21.0	0.0	
100	PI2 BPSK	135	138		20.26				
100	PI2 BPSK	270	0		20.19		21.0	0.0	
100	QPSK	1	1		19.47				
100	QPSK	1	137		20.37		21.0	0.0	
100	QPSK	1	271		19.54				
100	QPSK	135	0		20.16				
100	QPSK	135	69		20.34		21.0	0.0	
100	QPSK	135	138		20.21				
100	QPSK	270	0		20.30		21.0	0.0	
100	16QAM	1	1		19.78		21.0	0.0	
100	64QAM	1	1		19.70		21.0	0.0	
100	256QAM	1	1		19.65		21.0	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3524.99	(dBm)	(dB)	
50	QPSK	1	1	19.25	19.40	19.19	21.0	0.0	
Channel				632698	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.02	19.17	19.21	21.0	0.0	
Channel				632000	633332	634696	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	19.52	19.48	19.59	21.0	0.0	
Channel				631698	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	19.43	19.59	19.62	21.0	0.0	
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3523.99	(dBm)	(dB)	
40	QPSK	1	1	19.34	19.39	19.42	21.0	0.0	
Channel				631000	633332	636996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	19.84	19.88	19.89	21.0	0.0	
Channel				630698	633332	637000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	20.05	19.96	20.11	21.0	0.0	

Part27O_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	18.50					
100	PI2 BPSK	1	137	17.23			18.0	0.0	
100	PI2 BPSK	1	271	16.82					
100	PI2 BPSK	135	0	17.11			18.0	0.0	
100	PI2 BPSK	135	69	17.22			18.0	0.0	
100	PI2 BPSK	135	138	17.19			18.0	0.0	
100	PI2 BPSK	270	0	17.19					
100	QPSK	1	1	16.43					
100	QPSK	1	137	17.33			18.0	0.0	
100	QPSK	1	271	16.59					
100	QPSK	135	0	17.16					
100	QPSK	135	69	17.31			18.0	0.0	
100	QPSK	135	138	17.21					
100	QPSK	270	0	17.13			18.0	0.0	
100	16QAM	1	1	16.16			18.0	0.0	
100	64QAM	1	1	16.22			18.0	0.0	
100	256QAM	1	1	16.85			18.0	0.0	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	16.45	16.43	16.53	18.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	16.65	16.57	16.69	18.0	0.0	
Channel				649956	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	16.79	16.88	16.85	18.0	0.0	
Channel				649334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	17.02	17.08	17.14	18.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	16.74	16.85	16.91	18.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	16.96	17.02	17.18	18.0	0.0	
Channel				647234	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	17.14	17.19	17.32	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	19.58					
100	PI2 BPSK	1	137	20.39			21.0	0.0	
100	PI2 BPSK	1	271	19.72					
100	PI2 BPSK	135	0	20.26			21.0	0.0	
100	PI2 BPSK	135	69	20.37			21.0	0.0	
100	PI2 BPSK	135	138	20.30			21.0	0.0	
100	PI2 BPSK	270	0	20.29					
100	QPSK	1	1	19.46					
100	QPSK	1	137	20.45			21.0	0.0	
100	QPSK	1	271	19.65					
100	QPSK	135	0	20.26					
100	QPSK	135	69	20.41			21.0	0.0	
100	QPSK	135	138	20.26					
100	QPSK	270	0	20.36			21.0	0.0	
100	16QAM	1	1	19.73			21.0	0.0	
100	64QAM	1	1	19.65			21.0	0.0	
100	256QAM	1	1	19.58			21.0	0.0	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	19.38	19.48	19.59	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.50	19.51	19.59	21.0	0.0	
Channel				649956	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.74	19.75	19.75	21.0	0.0	
Channel				649334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.86	19.93	19.95	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.65	19.65	19.75	21.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.93	19.94	20.00	21.0	0.0	
Channel				647234	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	20.12	20.15	20.08	21.0	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3499.98					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	16.00					
100	PI2 BPSK	1	137	16.55			17.3	0.0	
100	PI2 BPSK	1	271	15.99					
100	PI2 BPSK	135	0	16.54			17.3	0.0	
100	PI2 BPSK	135	69	16.54			17.3	0.0	
100	PI2 BPSK	135	138	16.48			17.3	0.0	
100	PI2 BPSK	270	0	16.50					
100	QPSK	1	1	16.04					
100	QPSK	1	137	16.63			17.3	0.0	
100	QPSK	1	271	15.91					
100	QPSK	135	0	16.54					
100	QPSK	135	69	16.61			17.3	0.0	
100	QPSK	135	138	16.53					
100	QPSK	270	0	16.58			17.3	0.0	
100	16QAM	1	1	15.78			17.3	0.0	
100	64QAM	1	1	15.81			17.3	0.0	
100	256QAM	1	1	16.43			17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
50	QPSK	1	1	15.75	15.83	15.86	17.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.73	15.87	15.88	17.3	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	16.03	16.00	15.93	17.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.99	(dBm)	(dB)	
50	QPSK	1	1	16.14	16.04	16.01	17.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.99	(dBm)	(dB)	
40	QPSK	1	1	15.99	15.95	15.89	17.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.35	16.23	16.21	17.3	0.0	

Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1	18.76			20.3	0.0	
100	PI2 BPSK	1	137	18.43					
100	PI2 BPSK	1	271	18.77					
100	PI2 BPSK	135	0	19.30			20.3	0.0	
100	PI2 BPSK	135	69	18.48			20.3	0.0	
100	PI2 BPSK	135	138	19.22			20.3	0.0	
100	PI2 BPSK	270	0	19.29			20.3	0.0	
100	QPSK	1	1	18.83					
100	QPSK	1	137	19.55					
100	QPSK	1	271	18.69			20.3	0.0	
100	QPSK	135	0	19.44					
100	QPSK	135	69	19.51					
100	QPSK	135	138	19.34			20.3	0.0	
100	QPSK	270	0	19.47					
100	16QAM	1	1	18.91			20.3	0.0	
100	64QAM	1	1	18.83			20.3	0.0	
100	256QAM	1	1	18.76			20.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3474.98	(dBm)	(dB)	
50	QPSK	1	1	18.64	18.73	18.84	20.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3479.98	(dBm)	(dB)	
80	QPSK	1	1	18.76	18.81	18.86	20.3	0.0	
Channel				625500	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460	3469.98	3479.98	(dBm)	(dB)	
60	QPSK	1	1	18.93	18.92	19.03	20.3	0.0	
Channel				631068	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.92	3469.98	3465	(dBm)	(dB)	
50	QPSK	1	1	19.07	19.11	19.10	20.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3453.98	(dBm)	(dB)	
40	QPSK	1	1	18.79	18.81	18.82	20.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.29	19.22	19.31	20.3	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	15.96	15.71	15.60	17.3	0.0	
100	PI2 BPSK	1	137	16.33	16.18	16.18			
100	PI2 BPSK	1	271	15.57	15.51	15.50			
100	PI2 BPSK	135	0	16.32	16.15	16.11	17.3	0.0	
100	PI2 BPSK	135	69	16.34	16.21	16.19	17.3	0.0	
100	PI2 BPSK	135	138	16.13	15.98	15.92	17.3	0.0	
100	PI2 BPSK	270	0	16.31	16.21	16.15			
100	QPSK	1	1	15.91	15.84	15.79			
100	QPSK	1	137	16.47	16.26	16.13	17.3	0.0	
100	QPSK	1	271	15.55	15.51	15.50	17.3	0.0	
100	QPSK	135	0	16.41	16.26	16.08			
100	QPSK	135	69	16.44	16.27	16.15			
100	QPSK	135	138	16.17	16.02	16.08	17.3	0.0	
100	QPSK	270	0	16.41	16.29	16.22			
100	16QAM	1	1	16.10	16.07	15.87	17.3	0.0	
100	64QAM	1	1	16.11	15.82	16.03	17.3	0.0	
100	256QAM	1	1	16.13	16.07	15.84	17.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	15.79	15.58	15.50	17.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	15.95	15.71	16.23	17.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	16.06	15.85	15.72	17.3	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	16.27	15.93	15.79	17.3	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725	3840	3955	(dBm)	(dB)	
40	QPSK	1	1	15.35	15.69	15.62	17.3	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	16.29	16.15	15.83	17.3	0.0	

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.70	18.54	18.58	20.3	0.0	
100	PI2 BPSK	1	137	19.34	19.32	19.33			
100	PI2 BPSK	1	271	18.82	18.50	18.50			
100	PI2 BPSK	135	0	19.31	19.22	19.24	20.3	0.0	
100	PI2 BPSK	135	69	19.26	19.26	19.25	20.3	0.0	
100	PI2 BPSK	135	138	19.09	19.11	19.08	20.3	0.0	
100	PI2 BPSK	270	0	19.12	19.04	19.03			
100	QPSK	1	1	18.61	18.50	18.50			
100	QPSK	1	137	19.36	19.25	19.20	20.3	0.0	
100	QPSK	1	271	18.55	18.57	18.53	20.3	0.0	
100	QPSK	135	0	19.31	19.26	19.24			
100	QPSK	135	69	19.35	19.25	19.25			
100	QPSK	135	138	19.09	19.11	19.06	20.3	0.0	
100	QPSK	270	0	19.16	19.14	19.12			
100	16QAM	1	1	18.83	18.84	18.73	20.3	0.0	
100	64QAM	1	1	18.77	18.87	18.87	20.3	0.0	
100	256QAM	1	1	18.69	18.86	18.89	20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
50	QPSK	1	1	18.62	18.56	18.51	20.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	18.81	18.68	18.56	20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	18.86	18.81	18.56	20.3	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.03	18.82	18.60	20.3	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725	3840	3955	(dBm)	(dB)	
40	QPSK	1	1	18.85	18.60	18.55	20.3	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.09	18.97	18.73	20.3	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3489.98	17.3	0.0	
Frequency (MHz)									
100	Pl2 BPSK	1	1	15.90					
100	Pl2 BPSK	1	137	16.49					
100	Pl2 BPSK	1	271	15.75			17.3	0.0	
100	Pl2 BPSK	135	0	16.44					
100	Pl2 BPSK	135	69	16.56					
100	Pl2 BPSK	135	138	16.34					
100	Pl2 BPSK	270	0	16.36			17.3	0.0	
100	QPSK	1	1	15.88					
100	QPSK	1	137	16.56					
100	QPSK	1	271	15.79			17.3	0.0	
100	QPSK	135	0	16.47					
100	QPSK	135	69	16.54					
100	QPSK	135	138						
100	QPSK	270	0	16.49			17.3	0.0	
100	ISQAM	1	1	15.67					
100	ISQAM	1	1	15.68					
100	256QAM	1	1	16.31			17.3	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3486	3489.98	3493.98			
90	QPSK	1	1	15.68	15.92	15.79	17.3	0.0	
Channel				632668	633332	634000	17.3	0.0	
Frequency (MHz)				3490.02	3495.98	3510			
80	QPSK	1	1	15.70	15.96	15.77		0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3489.98	3519.99			
60	QPSK	1	1	16.24	16.21	16.23	17.3	0.0	
Channel				631668	633332	635000	17.3	0.0	
Frequency (MHz)				3475.02	3489.98	3505			
50	QPSK	1	1	16.33	16.25	16.35		0.0	
Channel				631334	633332	636332			
Frequency (MHz)				3470.01	3489.98	3523.98	17.3	0.0	
40	QPSK	1	1	16.02	16.08	16.16			
Channel				631000	633332	636666			
Frequency (MHz)				3465	3489.98	3534.99			
30	QPSK	1	1	16.27	16.33	16.27	17.3	0.0	
Channel				630668	633332	637000	17.3	0.0	
Frequency (MHz)				3460.02	3489.98	3540			
20	QPSK	1	1	16.36	16.44	16.48		0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3489.98	20.3	0.0	
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.54					
100	Pl2 BPSK	1	137	19.46					
100	Pl2 BPSK	1	271	18.40			20.3	0.0	
100	Pl2 BPSK	135	0	19.28					
100	Pl2 BPSK	135	69	19.35					
100	Pl2 BPSK	135	138	19.19					
100	Pl2 BPSK	270	0	19.25			20.3	0.0	
100	QPSK	1	1	18.92					
100	QPSK	1	137	19.47					
100	QPSK	1	271	18.92			20.3	0.0	
100	QPSK	135	0	19.28					
100	QPSK	135	69	19.44					
100	QPSK	135	138						
100	QPSK	270	0	19.37			20.3	0.0	
100	ISQAM	1	1	18.79					
100	ISQAM	1	1	18.72					
100	256QAM	1	1	18.63			20.3	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3486	3489.98	3493.98			
90	QPSK	1	1	18.33	18.49	18.38	20.3	0.0	
Channel				632668	633332	634000	20.3	0.0	
Frequency (MHz)				3490.02	3495.98	3510			
80	QPSK	1	1	18.54	18.57	18.57		0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3489.98	3519.99			
60	QPSK	1	1	18.92	18.79	18.69	20.3	0.0	
Channel				631668	633332	635000	20.3	0.0	
Frequency (MHz)				3475.02	3489.98	3505			
50	QPSK	1	1	18.92	18.86	18.92		0.0	
Channel				631334	633332	636332			
Frequency (MHz)				3470.01	3489.98	3523.98	20.3	0.0	
40	QPSK	1	1	18.07	18.09	18.62			
Channel				631000	633332	636666			
Frequency (MHz)				3465	3489.98	3534.99			
30	QPSK	1	1	18.77	18.81	18.80	20.3	0.0	
Channel				630668	633332	637000	20.3	0.0	
Frequency (MHz)				3460.02	3489.98	3540			
20	QPSK	1	1	19.04	18.92	18.89		0.0	

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pliz BPSK	1	1		15.76				
100	Pliz BPSK	1	137		16.31		17.3	0.0	
100	Pliz BPSK	1	271		15.46				
100	Pliz BPSK	135	0		16.32		17.3	0.0	
100	Pliz BPSK	135	69		16.42		17.3	0.0	
100	Pliz BPSK	135	138		16.20		17.3	0.0	
100	Pliz BPSK	270	0		16.25				
100	QPSK	1	1		15.74				
100	QPSK	1	137		16.45		17.3	0.0	
100	QPSK	1	271		15.42				
100	QPSK	135	0		16.30				
100	QPSK	135	69		16.43		17.3	0.0	
100	QPSK	135	138		16.19				
100	QPSK	270	0		16.36		17.3	0.0	
100	16QAM	1	1		15.48		17.3	0.0	
100	64QAM	1	1		15.54		17.3	0.0	
100	256QAM	1	1		16.15		17.3	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1		15.96	15.70	15.77	17.3	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		16.04	16.08	16.03	17.3	0.0
Channel				649068	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		16.11	16.14	16.12	17.3	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		16.25	16.22	16.27	17.3	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.02	16.04	16.06	17.3	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		16.30	16.28	16.24	17.3	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		16.40	16.36	16.37	17.3	0.0

Part270_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pliz BPSK	1	1		18.42				
100	Pliz BPSK	1	137		19.36		20.3	0.0	
100	Pliz BPSK	1	271		18.45				
100	Pliz BPSK	135	0		19.23		20.3	0.0	
100	Pliz BPSK	135	69		19.21		20.3	0.0	
100	Pliz BPSK	135	138		19.10		20.3	0.0	
100	Pliz BPSK	270	0		19.17				
100	QPSK	1	1		18.46				
100	QPSK	1	137		19.35		20.3	0.0	
100	QPSK	1	271		18.41				
100	QPSK	135	0		19.24				
100	QPSK	135	69		19.33		20.3	0.0	
100	QPSK	135	138		19.06				
100	QPSK	270	0		19.28		20.3	0.0	
100	16QAM	1	1		18.61		20.3	0.0	
100	64QAM	1	1		18.57		20.3	0.0	
100	256QAM	1	1		18.52		20.3	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1		18.50	18.57	18.56	20.3	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		18.53	18.56	18.58	20.3	0.0
Channel				649068	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		18.63	18.70	18.66	20.3	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		18.86	18.92	19.07	20.3	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		18.53	18.59	18.56	20.3	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		18.74	18.75	18.83	20.3	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		18.93	18.99	18.95	20.3	0.0



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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)				164	164.5	165			
20	Pl2 BPSK	1	1	24.53	24.58	24.49			
20	Pl2 BPSK	1	53	24.34	24.43	24.31	25.5	0.0	
20	Pl2 BPSK	1	104	24.30	24.45	24.35			
20	Pl2 BPSK	50	0	23.83	23.95	23.92	25.0	0.5	
20	Pl2 BPSK	50	28	24.34	24.45	24.42	25.5	0.0	
20	Pl2 BPSK	50	56	23.95	23.99	23.82	25.0	0.5	
20	Pl2 BPSK	100	0	24.00	24.03	23.92			
20	QPSK	1	1	24.52	24.61	24.57			
20	QPSK	1	53	24.40	24.54	24.44	25.5	0.0	
20	QPSK	1	104	24.26	24.37	24.31			
20	QPSK	50	0	23.31	23.47	23.37	24.5	1.0	
20	QPSK	50	28	24.30	24.53	24.46	25.5	0.0	
20	QPSK	50	56	23.28	23.43	23.28	24.5	1.0	
20	QPSK	100	0	23.44	23.51	23.38			
20	16QAM	1	1	23.12	23.22	23.13	24.5	1.0	
20	64QAM	1	1	21.58	21.63	21.55	23.0	2.5	
20	256QAM	1	1	20.07	20.23	20.13	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				1631.5	1636.5	1641.5	(dBm)	(dB)	
15	QPSK	1	1	24.42	24.45	24.51	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				1629	1636.5	1641	(dBm)	(dB)	
10	QPSK	1	1	24.45	24.44	24.46	25.5	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				1626.5	1636.5	1646.5	(dBm)	(dB)	
5	QPSK	1	1	24.42	24.57	24.54	25.5	0.0	

n5_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				166800	167300	167800			
Frequency (MHz)				164	164.5	165			
20	Pl2 BPSK	1	1	23.91	24.07	24.00			
20	Pl2 BPSK	1	53	24.20	24.25	24.10	25.3	0.0	
20	Pl2 BPSK	1	104	23.96	24.07	23.91			
20	Pl2 BPSK	50	0	23.53	23.70	23.62	24.8	0.5	
20	Pl2 BPSK	50	28	24.14	24.24	24.10	25.3	0.0	
20	Pl2 BPSK	50	56	23.42	23.52	23.43	24.8	0.5	
20	Pl2 BPSK	100	0	23.56	23.64	23.51			
20	QPSK	1	1	23.88	23.98	23.84			
20	QPSK	1	53	24.00	24.30	24.12	25.3	0.0	
20	QPSK	1	104	23.95	24.05	24.00			
20	QPSK	50	0	23.20	23.23	23.08	24.3	1.0	
20	QPSK	50	28	24.05	24.25	24.10	25.3	0.0	
20	QPSK	50	56	22.87	22.92	22.79	24.3	1.0	
20	QPSK	100	0	23.01	23.19	22.91			
20	16QAM	1	1	22.59	22.73	22.60	24.3	1.0	
20	64QAM	1	1	21.26	21.35	21.25	22.8	2.5	
20	256QAM	1	1	19.86	19.97	19.86	20.8	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				1631.5	1636.5	1641.5	(dBm)	(dB)	
15	QPSK	1	1	24.02	24.07	24.01	25.3	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				1629	1636.5	1641	(dBm)	(dB)	
10	QPSK	1	1	24.01	24.17	24.05	25.3	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				1626.5	1636.5	1646.5	(dBm)	(dB)	
5	QPSK	1	1	23.90	24.10	23.99	25.3	0.0	

n7_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				505000	507000	509000			
Frequency (MHz)				2456	2455	2455			
50	Pl2 BPSK	1	1	20.67	20.71	20.67			
50	Pl2 BPSK	1	135	21.00	21.02	21.03	22.0	0.0	
50	Pl2 BPSK	1	268	20.68	20.71	20.65			
50	Pl2 BPSK	135	0	20.99	21.10	21.11	22.0	0.0	
50	Pl2 BPSK	135	68	21.09	21.12	21.11	22.0	0.0	
50	Pl2 BPSK	135	135	21.08	21.10	20.98	22.0	0.0	
50	Pl2 BPSK	270	0	21.03	21.12	21.03			
50	QPSK	1	1	21.11	21.14	21.09			
50	QPSK	1	135	21.08	21.13	20.96	22.0	0.0	
50	QPSK	1	268	20.72	20.75	20.74			
50	QPSK	135	0	21.02	21.07	21.03	22.0	0.0	
50	QPSK	135	68	21.05	21.11	21.04	22.0	0.0	
50	QPSK	135	135	21.02	21.08	21.00	22.0	0.0	
50	QPSK	270	0	21.04	21.10	21.06			
50	16QAM	1	1	20.39	20.51	20.53	22.0	0.0	
50	64QAM	1	1	20.56	20.54	20.44	22.0	0.0	
50	256QAM	1	1	20.13	20.18	20.15	21.0	1.0	
Channel				506000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2450	2455	2460	(dBm)	(dB)	
40	QPSK	1	1	20.59	20.63	20.59	22.0	0.0	
Channel				505000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2453	2455	2463	(dBm)	(dB)	
30	QPSK	1	1	20.52	20.62	20.60	22.0	0.0	
Channel				505500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2452.5	2455	2467.5	(dBm)	(dB)	
25	QPSK	1	1	20.67	20.65	20.61	22.0	0.0	
Channel				505000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2450	2455	2460	(dBm)	(dB)	
20	QPSK	1	1	20.52	20.71	20.55	22.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2207.5	2455	2462.5	(dBm)	(dB)	
15	QPSK	1	1	20.58	20.64	20.60	22.0	0.0	
Channel				507000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2405	2455	2465	(dBm)	(dB)	
10	QPSK	1	1	20.56	20.65	20.67	22.0	0.0	
Channel				505500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2402.5	2455	2467.5	(dBm)	(dB)	
5	QPSK	1	1	20.66	20.67	20.55	22.0	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				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	Pi2 BPSK	1	1	19.92	19.92	19.97		21.6	0.0
50	Pi2 BPSK	1	135	20.13	20.18	20.13			
50	Pi2 BPSK	1	268	19.96	19.74	19.78			
50	Pi2 BPSK	135	0	20.12	20.25	20.19	21.6	0.0	
50	Pi2 BPSK	135	68	20.15	20.25	20.19	21.6	0.0	
50	Pi2 BPSK	135	135	20.11	20.19	20.11	21.6	0.0	
50	Pi2 BPSK	270	0	20.22	20.23	20.14		21.6	0.0
50	QPSK	1	1	19.86	19.94	19.79			
50	QPSK	1	135	20.19	20.39	20.11	21.6	0.0	
50	QPSK	1	268	19.84	19.76	19.78		21.6	0.0
50	QPSK	135	0	20.15	20.25	20.12	21.6		
50	QPSK	135	68	20.20	20.31	20.15	21.6		
50	QPSK	135	135	20.07	20.12	20.05	21.6	0.0	
50	QPSK	270	0	20.17	20.21	20.15		21.6	0.0
50	16QAM	1	1	19.88	19.72	19.84	21.6		
50	64QAM	1	1	19.73	19.71	19.73	21.6		
50	256QAM	1	1	19.30	19.33	19.21	20.6	1.0	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2565			
40	QPSK	1	1	19.78	19.81	19.87	21.6	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.72	19.92	19.81	21.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.69	19.84	19.85	21.6	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
20	QPSK	1	1	19.81	19.90	19.88	21.6	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
15	QPSK	1	1	19.80	19.88	19.82	21.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.76	19.78	19.84	21.6	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2535	2567.5			
5	QPSK	1	1	19.72	19.77	19.78	21.6	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				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	Pi2 BPSK	1	1	19.93	19.98	19.93		21.7	0.0
50	Pi2 BPSK	1	135	20.13	20.09	20.01			
50	Pi2 BPSK	1	268	19.92	19.92	19.95			
50	Pi2 BPSK	135	0	20.03	20.04	19.96	21.7	0.0	
50	Pi2 BPSK	135	68	20.14	20.10	20.13	21.7	0.0	
50	Pi2 BPSK	135	135	20.11	20.15	20.09	21.7	0.0	
50	Pi2 BPSK	270	0	20.12	20.14	20.04		21.7	0.0
50	QPSK	1	1	20.02	19.97	19.96			
50	QPSK	1	135	20.15	20.17	20.05	21.7	0.0	
50	QPSK	1	268	19.95	19.90	19.92		21.7	0.0
50	QPSK	135	0	20.09	20.10	20.12	21.7		
50	QPSK	135	68	20.13	20.16	20.14	21.7		
50	QPSK	135	135	20.06	20.15	20.05	21.7	0.0	
50	QPSK	270	0	20.03	20.11	20.04		21.7	0.0
50	16QAM	1	1	19.91	19.91	19.96	21.7		
50	64QAM	1	1	19.92	19.90	19.94	21.7		
50	256QAM	1	1	19.53	19.56	19.58	21.2	0.5	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2565			
40	QPSK	1	1	19.96	20.08	19.90	21.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.97	20.06	19.96	21.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.91	20.06	19.94	21.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
20	QPSK	1	1	19.94	20.05	19.93	21.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
15	QPSK	1	1	19.94	20.07	19.97	21.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.01	19.94	20.03	21.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2000.5	2535	2567.5			
5	QPSK	1	1	20.01	19.98	19.97	21.7	0.0	

n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	Pi2 BPSK	1	1	22.04	22.19	22.15		23.7	0.0
50	Pi2 BPSK	1	135	22.32	22.44	22.31			
50	Pi2 BPSK	1	268	22.02	22.14	22.10			
50	Pi2 BPSK	135	0	22.39	22.51	22.48	23.7	0.0	
50	Pi2 BPSK	135	68	22.49	22.53	22.53	23.7	0.0	
50	Pi2 BPSK	135	135	22.51	22.51	22.47	23.7	0.0	
50	Pi2 BPSK	270	0	22.52	22.54	22.51		23.7	0.0
50	QPSK	1	1	22.47	22.55	22.48			
50	QPSK	1	135	22.53	22.59	22.50	23.7	0.0	
50	QPSK	1	268	22.06	22.05	22.12		23.7	0.0
50	QPSK	135	0	22.43	22.51	22.37	23.7		
50	QPSK	135	68	22.47	22.52	22.51	23.7		
50	QPSK	135	135	22.42	22.49	22.34	23.7	0.0	
50	QPSK	270	0	22.49	22.54	22.53		23.7	0.0
50	16QAM	1	1	21.74	21.85	21.77	23.7		
50	64QAM	1	1	20.36	20.38	20.31	22.2	1.5	
50	256QAM	1	1	19.00	19.01	18.95	20.2	3.5	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2535	2565			
40	QPSK	1	1	22.00	22.07	22.11	23.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.04	22.16	22.08	23.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.97	22.17	22.01	23.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
20	QPSK	1	1	21.93	22.15	22.02	23.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
15	QPSK	1	1	21.95	22.04	22.12	23.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.92	22.19	22.01	23.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2000.5	2535	2567.5			
5	QPSK	1	1	21.97	22.10	22.11	23.7	0.0	

n66_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				346000	349000	352000			
Frequency (MHz)				19.21	19.14	19.07			
40	PQ2 BPSK	1	1	19.08	19.14	19.07			
40	PQ2 BPSK	1	108	19.64	19.71	19.68	21.0	0.0	
40	PQ2 BPSK	1	214	19.01	19.16	19.16			
40	PQ2 BPSK	108	0	19.55	19.66	19.64	21.0	0.0	
40	PQ2 BPSK	108	54	19.72	19.66	19.69	21.0	0.0	
40	PQ2 BPSK	108	108	19.63	19.73	19.74			
40	PQ2 BPSK	216	0	19.66	19.72	19.74	21.0	0.0	
40	QPSK	1	1	19.02	19.08	19.06			
40	QPSK	1	108	19.10	19.77	19.09	21.0	0.0	
40	QPSK	1	214	19.13	19.15	19.15			
40	QPSK	108	0	19.47	19.59	19.63	21.0	0.0	
40	QPSK	108	54	19.64	19.76	19.70	21.0	0.0	
40	QPSK	108	108	19.60	19.71	19.64	21.0	0.0	
40	QPSK	216	0	19.66	19.73	19.71			
40	16QAM	1	1	19.02	19.02	19.01	21.0	0.0	
40	64QAM	1	1	19.05	19.00	19.00	21.0	0.0	
40	256QAM	1	1	19.57	19.54	19.49	21.0	0.0	
Channel				340000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1723	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	19.02	19.03	19.04	21.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	18.40	18.40	18.43	21.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.06	19.01	19.01	21.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	19.06	18.99	18.99	21.0	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	18.95	19.01	19.01	21.0	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				346000	349000	352000			
Frequency (MHz)				19.21	19.14	19.07			
40	PQ2 BPSK	1	1	19.51	19.50	19.54			
40	PQ2 BPSK	1	108	19.01	19.02	19.04	20.1	0.0	
40	PQ2 BPSK	1	214	18.60	18.56	18.54			
40	PQ2 BPSK	108	0	18.88	18.96	18.85	20.1	0.0	
40	PQ2 BPSK	108	54	18.90	18.99	19.01	20.1	0.0	
40	PQ2 BPSK	108	108	18.55	18.76	19.16			
40	PQ2 BPSK	216	0	19.05	19.13	19.01	20.1	0.0	
40	QPSK	1	1	18.55	18.51	18.53			
40	QPSK	1	108	19.04	19.17	19.05	20.1	0.0	
40	QPSK	1	214	18.53	18.50	18.55			
40	QPSK	108	0	18.84	18.92	18.80	20.1	0.0	
40	QPSK	108	54	19.10	19.14	19.12	20.1	0.0	
40	QPSK	108	108	19.05	19.13	19.09	20.1	0.0	
40	QPSK	216	0	18.98	19.13	19.05			
40	16QAM	1	1	18.55	18.52	18.56	20.1	0.0	
40	64QAM	1	1	18.50	18.55	18.52	20.1	0.0	
40	256QAM	1	1	18.50	18.65	18.61	20.1	0.0	
Channel				340500	349500	353500	Tune-up limit	MPR	
Frequency (MHz)				1723	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	18.57	18.57	18.54	20.1	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	18.40	18.51	18.55	20.1	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	18.50	18.59	18.59	20.1	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.40	18.48	18.40	20.1	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	18.44	18.49	18.50	20.1	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				346000	349000	352000	24.1	0.0
Frequency (MHz)				1720	1745	1770		
40	PI2 BPSK	1	1	22.45	22.54	22.48		
40	PI2 BPSK	1	108	23.18	23.18	23.23	24.1	0.0
40	PI2 BPSK	1	214	22.70	22.69	22.71		
40	PI2 BPSK	108	0	23.12	23.22	23.25		
40	PI2 BPSK	108	54	23.21	23.17	23.86	24.1	0.0
40	PI2 BPSK	108	108	23.26	23.35	23.29	24.1	0.0
40	PI2 BPSK	216	0	23.33	23.35	23.23		
40	QPSK	1	1	22.56	22.52	22.46		
40	QPSK	1	108	23.13	23.36	23.23	24.1	0.0
40	QPSK	1	214	22.85	22.87	22.72	24.1	0.0
40	QPSK	108	0	23.06	23.13	23.03		
40	QPSK	108	54	23.16	23.35	23.22		
40	QPSK	108	108	23.15	23.34	23.17	24.1	0.0
40	QPSK	216	0	23.22	23.31	23.19	24.1	0.0
40	16QAM	1	1	22.54	22.27	22.20		
40	64QAM	1	1	20.73	20.88	20.74		
40	256QAM	1	1	19.19	19.34	19.32	20.6	3.5
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1765	24.1	0.0
30	QPSK	1	1	22.41	22.45	22.40		
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	24.1	0.0
20	QPSK	1	1	22.36	22.54	22.48		
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	24.1	0.0
15	QPSK	1	1	22.36	22.40	22.45		
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	24.1	0.0
10	QPSK	1	1	22.44	22.51	22.41		
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	24.1	0.0
5	QPSK	1	1	22.40	22.40	22.48		

n66_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	22.7	0.0
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	21.54	21.54	21.58		
40	PI2 BPSK	1	108	22.10	22.12	22.04	22.7	0.0
40	PI2 BPSK	1	214	21.61	21.59	21.58		
40	PI2 BPSK	108	0	22.12	22.14	22.00		
40	PI2 BPSK	108	54	22.07	22.08	22.01	22.7	0.0
40	PI2 BPSK	108	108	22.09	22.16	22.12	22.7	0.0
40	PI2 BPSK	216	0	22.10	22.15	22.08		
40	QPSK	1	1	21.31	21.44	21.36		
40	QPSK	1	108	21.86	22.17	22.01	22.7	0.0
40	QPSK	1	214	21.62	21.59	21.60	22.7	0.0
40	QPSK	108	0	21.93	22.10	22.00		
40	QPSK	108	54	21.96	22.15	22.04		
40	QPSK	108	108	21.94	22.15	22.02	22.7	0.0
40	QPSK	216	0	21.91	22.11	22.03	22.7	0.0
40	16QAM	1	1	21.28	21.23	21.20		
40	64QAM	1	1	19.63	19.78	19.76		
40	256QAM	1	1	18.25	18.27	18.29	19.2	3.5
Channel				345500	346000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1765	22.7	0.0
30	QPSK	1	1	21.43	21.48	21.50		
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	22.7	0.0
20	QPSK	1	1	21.43	21.54	21.45		
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	22.7	0.0
15	QPSK	1	1	21.42	21.46	21.46		
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	22.7	0.0
10	QPSK	1	1	21.53	21.43	21.53		
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	22.7	0.0
5	QPSK	1	1	21.52	21.50	21.50		



n38_Ant 0									
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)				518004	518000	518996			
				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	20.07	20.05	20.12	21.5	0.0	
40	Pl2 BPSK	1	53	20.48	20.54	20.45			
40	Pl2 BPSK	1	104	20.18	20.13	20.13			
40	Pl2 BPSK	50	0	20.47	20.42	20.38	21.5	0.0	
40	Pl2 BPSK	50	28	20.51	20.54	20.41	21.5	0.0	
40	Pl2 BPSK	50	56	20.43	20.48	20.55	21.5	0.0	
40	Pl2 BPSK	100	0	20.36	20.47	20.46			
40	QPSK	1	1	20.11	20.07	20.02			
40	QPSK	1	53	20.41	20.56	20.45	21.5	0.0	
40	QPSK	1	104	19.98	20.10	20.07	21.5	0.0	
40	QPSK	50	0	20.30	20.42	20.43			
40	QPSK	50	28	20.46	20.55	20.50			
40	QPSK	50	56	20.33	20.45	20.43	21.5	0.0	
40	QPSK	100	0	20.43	20.49	20.41			
40	16QAM	1	1	19.76	19.85	19.86	21.5	0.0	
40	64QAM	1	1	19.93	19.86	19.75	21.5	0.0	
40	256QAM	1	1	19.95	20.00	20.07	21.0	0.5	
Channel									
Frequency (MHz)				518002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.00	19.96	20.03	21.5	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.01	19.92	20.08	21.5	0.0	

n38_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)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	19.04	19.00	19.05	20.9	0.0	
40	Pl2 BPSK	1	53	19.50	19.49	19.45			
40	Pl2 BPSK	1	104	19.11	19.07	19.09			
40	Pl2 BPSK	50	0	19.42	19.36	19.37	20.9	0.0	
40	Pl2 BPSK	50	28	19.49	19.52	19.49	20.9	0.0	
40	Pl2 BPSK	50	56	19.27	19.36	19.31	20.9	0.0	
40	Pl2 BPSK	100	0	19.29	19.39	19.41			
40	QPSK	1	1	19.02	19.05	19.02			
40	QPSK	1	53	19.42	19.53	19.46	20.9	0.0	
40	QPSK	1	104	19.03	19.02	19.08	20.9	0.0	
40	QPSK	50	0	19.24	19.36	19.40			
40	QPSK	50	28	19.45	19.51	19.40			
40	QPSK	50	56	19.27	19.39	19.35	20.9	0.0	
40	QPSK	100	0	19.28	19.36	19.29			
40	16QAM	1	1	19.05	19.01	19.06	20.9	0.0	
40	64QAM	1	1	19.16	19.09	19.07	20.9	0.0	
40	256QAM	1	1	18.87	18.94	19.01	20.4	0.5	
Channel									
Frequency (MHz)				2580.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.04	19.02	19.04	20.9	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.04	19.01	19.00	20.9	0.0	

n38_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)				51800.02	51800.00	51899.98			
				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	18.33	18.22	18.25	20.2	0.0	
40	Pl2 BPSK	1	53	18.52	18.63	18.45			
40	Pl2 BPSK	1	104	18.33	18.22	18.23			
40	Pl2 BPSK	50	0	18.42	18.64	18.40	20.2	0.0	
40	Pl2 BPSK	50	28	18.69	18.55	18.51	20.2	0.0	
40	Pl2 BPSK	50	56	18.59	18.58	18.58	20.2	0.0	
40	Pl2 BPSK	100	0	18.55	18.69	18.35			
40	QPSK	1	1	18.20	18.33	18.27			
40	QPSK	1	53	18.70	18.75	18.70	20.2	0.0	
40	QPSK	1	104	18.25	18.29	18.25	20.2	0.0	
40	QPSK	50	0	18.47	18.48	18.42			
40	QPSK	50	28	18.54	18.71	18.66			
40	QPSK	50	56	18.62	18.52	18.40	20.2	0.0	
40	QPSK	100	0	18.46	18.66	18.27			
40	16QAM	1	1	18.29	18.25	18.22	20.2	0.0	
40	64QAM	1	1	18.20	18.23	18.26	20.2	0.0	
40	256QAM	1	1	18.31	18.57	18.31	20.2	0.0	
Channel									
Frequency (MHz)				51800.01	51900.00	52000.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.29	18.27	18.25	20.2	0.0	
Channel									
Frequency (MHz)				51800.00	51900.00	52000.00	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.24	18.28	18.27	20.2	0.0	



n38_Ant 3									
BW [MHz]	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)									
40	Pl2 BPSK	1	1	21.86	21.93	21.88	23.6	0.0	
40	Pl2 BPSK	1	53	22.41	22.55	22.45			
40	Pl2 BPSK	1	104	22.16	22.17	22.10			
40	Pl2 BPSK	50	0	22.35	22.28	22.19	23.6	0.0	
40	Pl2 BPSK	50	28	22.52	22.57	22.47	23.6	0.0	
40	Pl2 BPSK	50	56	22.28	22.38	22.34	23.6	0.0	
40	Pl2 BPSK	100	0	22.39	22.38	22.45			
40	QPSK	1	1	22.00	21.96	21.84			
40	QPSK	1	53	22.44	22.58	22.44	23.6	0.0	
40	QPSK	1	104	21.99	22.11	21.99	23.6	0.0	
40	QPSK	50	0	22.18	22.25	22.25			
40	QPSK	50	28	22.45	22.52	22.40			
40	QPSK	50	56	22.31	22.31	22.25	23.6	0.0	
40	QPSK	100	0	22.43	22.47	22.34			
40	16QAM	1	1	21.84	21.76	21.71	23.6	0.0	
40	64QAM	1	1	20.38	20.38	20.26	22.1	1.5	
40	256QAM	1	1	18.84	18.97	18.96	20.1	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.80	21.92	21.88	23.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.82	21.93	21.85	23.6	0.0	

n41_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									
Frequency (MHz)									
100	Pl2 BPSK	1	1	19.56	19.60	19.58	21.5	0.0	
100	Pl2 BPSK	1	137	20.39	20.50	20.38			
100	Pl2 BPSK	1	271	19.61	19.69	19.68			
100	Pl2 BPSK	135	0	20.28	20.25	20.17	21.5	0.0	
100	Pl2 BPSK	135	69	20.53	20.55	20.45	21.5	0.0	
100	Pl2 BPSK	135	138	20.24	20.35	20.34	21.5	0.0	
100	Pl2 BPSK	270	0	20.21	20.31	20.27			
100	QPSK	1	1	19.53	19.57	19.54			
100	QPSK	1	137	20.55	20.57	20.56	21.5	0.0	
100	QPSK	1	271	19.72	19.66	19.56	21.5	0.0	
100	QPSK	135	0	20.34	20.26	20.22			
100	QPSK	135	69	20.52	20.55	20.54			
100	QPSK	135	138	20.41	20.38	20.27	21.5	0.0	
100	QPSK	270	0	20.23	20.47	20.26			
100	8QAM	1	1	19.52	19.54	19.56	21.5	0.0	
100	8QAM	1	1	19.55	19.55	19.51	21.5	0.0	
100	256QAM	1	1	19.44	19.49	19.45	21.0	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	506800	518998	529998	Tune-up limit (dBm)	MPR (dB)	

n41_FCC_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)									
100	Pl2 BPSK	1	1	19.09	19.05	18.98	20.9	0.0	
100	Pl2 BPSK	1	137	19.57	19.59	19.61			
100	Pl2 BPSK	1	271	19.00	19.02	18.98			
100	Pl2 BPSK	135	0	19.46	19.42	19.46	20.9	0.0	
100	Pl2 BPSK	135	69	19.57	19.61	19.58	20.9	0.0	
100	Pl2 BPSK	135	138	19.35	19.39	19.45	20.9	0.0	
100	Pl2 BPSK	270	0	19.47	19.40	19.34			
100	QPSK	1	1	18.96	19.02	19.04			
100	QPSK	1	137	19.54	19.62	19.62	20.9	0.0	
100	QPSK	1	271	18.91	18.94	18.91	20.9	0.0	
100	QPSK	135	0	19.42	19.43	19.34			
100	QPSK	135	69	19.55	19.60	19.57			
100	QPSK	135	138	19.33	19.36	19.36	20.9	0.0	
100	QPSK	270	0	19.42	19.45	19.36			
100	16QAM	1	1	18.92	18.96	18.99	20.9	0.0	
100	64QAM	1	1	18.94	18.97	18.96	20.9	0.0	
100	256QAM	1	1	18.71	18.72	18.77	20.4	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	508200	518998	529998	Tune-up limit (dBm)	MPR (dB)	



n41_FCC_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)											
100	PQ2 BPSK	1	1	17.25	17.38	17.28	19.2	0.0			
100	PQ2 BPSK	1	137	17.74	17.74	17.74					
100	PQ2 BPSK	1	271	17.24	17.32	17.21					
100	PQ2 BPSK	135	0	17.57	17.65	17.71	19.2	0.0			
100	PQ2 BPSK	135	69	17.79	17.86	17.76	19.2	0.0			
100	PQ2 BPSK	135	138	17.65	17.78	17.69	19.2	0.0			
100	PQ2 BPSK	270	0	17.70	17.75	17.69	19.2	0.0			
100	QPSK	1	1	17.29	17.24	17.24					
100	QPSK	1	137	17.69	17.69	17.76					
100	QPSK	1	271	17.35	17.29	17.31	19.2	0.0			
100	QPSK	135	0	17.71	17.70	17.70					
100	QPSK	135	69	17.61	17.65	17.73					
100	QPSK	135	138	17.65	17.78	17.65	19.2	0.0			
100	QPSK	270	0	17.64	17.81	17.69	19.2	0.0			
100	16QAM	1	1	17.27	17.32	17.25	19.2	0.0			
100	64QAM	1	1	17.24	17.20	17.24	19.2	0.0			
100	256QAM	1	1	17.40	17.44	17.45	19.2	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	17.25	17.27	17.25	19.2	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	17.28	17.32	17.31	19.2	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	17.25	17.38	17.29	19.2	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	17.30	17.30	17.23	19.2	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	17.34	17.29	17.25	19.2	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.24	17.30	17.31	19.2	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	17.27	17.34	17.29	19.2	0.0			

n41_FCC_Ant 3												
BW (MHz)	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)												
100	PQ2 BPSK	1	1	21.17	21.15	21.19	23.1	0.0				
100	PQ2 BPSK	1	137	21.84	21.85	22.02						
100	PQ2 BPSK	1	271	21.18	21.21	21.11						
100	PQ2 BPSK	135	0	21.68	21.78	21.77	23.1	0.0				
100	PQ2 BPSK	135	69	21.98	21.91	21.99	23.1	0.0				
100	PQ2 BPSK	135	138	21.74	21.83	21.83	23.1	0.0				
100	PQ2 BPSK	270	0	21.76	21.83	21.77	23.1	0.0				
100	QPSK	1	1	21.11	21.14	21.11						
100	QPSK	1	137	21.84	22.08	21.84						
100	QPSK	1	271	21.16	21.27	21.15	23.1	0.0				
100	QPSK	135	0	21.72	21.79	21.86						
100	QPSK	135	69	22.03	22.05	22.03						
100	QPSK	135	138	21.69	21.79	21.73	23.1	0.0				
100	QPSK	270	0	21.70	21.87	21.87	23.1	0.0				
100	16QAM	1	1	21.17	21.21	21.11	23.1	0.0				
100	64QAM	1	1	20.17	20.19	20.16	22.1	1.0				
100	256QAM	1	1	18.39	18.33	18.32	20.1	3.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	21.35	21.32	21.27	23.1	0.0				
	Channel											
	Frequency (MHz)											
80	QPSK	1	1	21.31	21.23	21.24	23.1	0.0				
	Channel											
	Frequency (MHz)											
80	QPSK	1	1	21.36	21.32	21.19	23.1	0.0				
	Channel											
	Frequency (MHz)											
50	QPSK	1	1	21.27	21.34	21.22	23.1	0.0				
	Channel											
	Frequency (MHz)											
40	QPSK	1	1	21.26	21.36	21.24	23.1	0.0				
	Channel											
	Frequency (MHz)											
30	QPSK	1	1	21.37	21.35	21.20	23.1	0.0				
	Channel											
	Frequency (MHz)											
20	QPSK	1	1	21.25	21.29	21.21	23.1	0.0				
	Channel											
	Frequency (MHz)											

Part27Q_n77_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)									
100	PQ2 BPSK	1	1		17.17		18.4	0.0	
100	PQ2 BPSK	1	137		17.81				
100	PQ2 BPSK	1	271		17.76				
100	PQ2 BPSK	135	0		17.76		18.4	0.0	
100	PQ2 BPSK	135	69		17.83		18.4	0.0	
100	PQ2 BPSK	135	138		17.67		18.4	0.0	
100	PQ2 BPSK	270	0		17.72		18.4	0.0	
100	QPSK	1	1		17.13				
100	QPSK	1	137		17.76				
100	QPSK	1	271		17.76		18.4	0.0	
100	QPSK	135	0		17.74				
100	QPSK	135	69		17.68				
100	QPSK	135	138		17.67		18.4	0.0	
100	QPSK	270	0		17.76		18.4	0.0	
100	16QAM	1	1		16.94		18.4	0.0	
100	64QAM	1	1		16.96		18.4	0.0	
100	256QAM	1	1		16.81		18.4	0.0	
Channel									
Frequency (MHz)				630000	633532	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3499.98	3504.99			
90	QPSK	1	1	16.69	16.79	16.69	18.4	0.0	
Frequency (MHz)				630000	633532	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.68	16.61	16.68	18.4	0.0	
Channel									
Frequency (MHz)				630000	633532	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.96			
60	QPSK	1	1	16.77	16.78	16.69	18.4	0.0	
Channel									
Frequency (MHz)				631668	633532	633600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.32	3499.98	3525			
50	QPSK	1	1	16.95	16.83	16.87	18.4	0.0	
Channel									
Frequency (MHz)				631334	633532	633532	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3509.98			
40	QPSK	1	1	16.74	16.70	16.65	18.4	0.0	
Channel									
Frequency (MHz)				630950	633532	633500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3540			
20	QPSK	1	1	17.06	16.98	16.92	18.4	0.0	

Part27Q_n77(HPUE)_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)				3499.98	633332	3499.98		
100	Pl2 BPSK	1	1	19.50			21.4	0.0
100	Pl2 BPSK	1	137	20.35				
100	Pl2 BPSK	1	271	19.51				
100	Pl2 BPSK	135	0	20.22			21.4	0.0
100	Pl2 BPSK	135	69	20.38			21.4	0.0
100	Pl2 BPSK	135	138	20.23			21.4	0.0
100	Pl2 BPSK	270	0	20.24			21.4	0.0
100	QPSK	1	1	19.51				
100	QPSK	1	137	20.45				
100	QPSK	1	271	19.50			21.4	0.0
100	QPSK	135	0	20.22				
100	QPSK	135	69	20.43				
100	QPSK	135	138	20.23			21.4	0.0
100	QPSK	270	0	20.20				
100	16QAM	1	1	19.55			21.4	0.0
100	8QAM	1	1	19.53			21.4	0.0
100	256QAM	1	1	19.50			21.4	0.0
Channel								
Frequency (MHz)				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.69	19.60	19.50	21.4	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.50	19.67	19.52	21.4	0.0
Channel								
Frequency (MHz)				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.89	19.69	19.51	21.4	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.89	19.82	19.50	21.4	0.0
Channel								
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.74	19.59	19.54	21.4	0.0
Channel								
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.89	19.73	19.70	21.4	0.0

Part27O_n77_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)				3790	3840	3900				
100	Pl2 BPSK	1	1	17.02	17.00	17.05	18.4	0.0		
100	Pl2 BPSK	1	137	17.82	17.70	17.79				
100	Pl2 BPSK	1	271	16.96	17.10	17.14				
100	Pl2 BPSK	135	0	17.50	17.65	17.67	18.4	0.0		
100	Pl2 BPSK	135	69	17.84	17.82	17.73	18.4	0.0		
100	Pl2 BPSK	135	138	17.62	17.75	17.77	18.4	0.0		
100	Pl2 BPSK	210	0	17.51	17.65	17.53	18.4	0.0		
100	QPSK	1	1	16.94	16.96	16.94				
100	QPSK	1	137	17.71	17.65	17.68				
100	QPSK	1	271	17.90	17.61	17.65	18.4	0.0		
100	QPSK	135	0	17.52	17.63	17.51				
100	QPSK	135	69	17.70	17.81	17.65				
100	QPSK	135	138	17.84	17.68	17.62	18.4	0.0		
100	QPSK	270	0	17.48	17.58	17.56				
100	16QAM	1	1	16.74	16.69	16.63	18.4	0.0		
100	16QAM	1	1	16.69	16.72	16.68	18.4	0.0		
100	256QAM	1	1	17.24	17.25	17.15	18.4	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	16.70	16.50	16.56	18.4	0.0		
Channel										
Frequency (MHz)				649334	650000	650668				
80	QPSK	1	1	17.40.01	3840	3939.99	18.4	0.0		
Channel										
Frequency (MHz)				649000	650000	651000				
60	QPSK	1	1	16.85	16.87	16.82	18.4	0.0		
Channel										
Frequency (MHz)				648668	650000	650332				
60	QPSK	1	1	16.85	16.90	16.93	18.4	0.0		
Channel										
Frequency (MHz)				648334	650000	650668				
50	QPSK	1	1	16.95	17.02	16.89	18.4	0.0		
Channel										
Frequency (MHz)				648000	650000	650668				
40	QPSK	1	1	16.65	16.75	16.60	18.4	0.0		
Channel										
Frequency (MHz)				647334	650000	650668				
20	QPSK	1	1	16.79	17.22	17.04	18.4	0.0		
Channel										

Part27O_n77(HPUE)_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3790	3840	3900		
100	Pl2 BPSK	1	1	19.72	19.73	19.71	21.4	0.0
100	Pl2 BPSK	1	137	20.65	20.67	20.69		
100	Pl2 BPSK	1	271	19.73	19.70	19.61		
100	Pl2 BPSK	135	0	20.46	20.52	20.52	21.4	0.0
100	Pl2 BPSK	135	69	20.68	20.66	20.63	21.4	0.0
100	Pl2 BPSK	135	138	20.41	20.52	20.41	21.4	0.0
100	Pl2 BPSK	270	0	20.51	20.48	20.40	21.4	0.0
100	QPSK	1	1	19.62	19.61	19.58		
100	QPSK	1	137	20.55	20.70	20.63		
100	QPSK	1	271	19.64	19.66	19.59	21.4	0.0
100	QPSK	135	0	20.44	20.42	20.39		
100	QPSK	135	69	20.54	20.65	20.50		
100	QPSK	135	138	20.37	20.47	20.36	21.4	0.0
100	QPSK	270	0	20.27	20.61	20.29	21.4	0.0
100	16QAM	1	1	19.76	19.79	19.78	21.4	0.0
100	16QAM	1	1	19.81	19.78	19.74	21.4	0.0
100	256QAM	1	1	19.71	19.68	19.71	21.4	0.0
Channel								
Frequency (MHz)				3745.02	3840	3934.08	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.57	19.67	19.54	21.4	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.40.01	3840	3939.99	18.4	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.85	16.90	16.93	18.4	0.0
Channel								
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.95	17.02	16.89	18.4	0.0
Channel								
Frequency (MHz)				648000	650000	650668	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.65	16.75	16.60	18.4	0.0
Channel								
Frequency (MHz)				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.12	20.13	20.15	21.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332		3499.98	17.4	0.0
Frequency (MHz)								
100	Pl2 BPSK	1	1	15.88				
100	Pl2 BPSK	1	137	16.63				
100	Pl2 BPSK	1	271	15.76				
100	Pl2 BPSK	135	0	16.46			17.4	0.0
100	Pl2 BPSK	135	69	16.63			17.4	0.0
100	Pl2 BPSK	135	138	16.47			17.4	0.0
100	Pl2 BPSK	270	0	16.43				
100	QPSK	1	1	15.86				
100	QPSK	1	137	16.73			17.4	0.0
100	QPSK	1	271	15.88				
100	QPSK	135	0	16.55				
100	QPSK	135	69	16.08			17.4	0.0
100	QPSK	135	138	16.51				
100	QPSK	270	0	16.65			17.4	0.0
100	16QAM	1	1	16.76			17.4	0.0
100	64QAM	1	1	15.82			17.4	0.0
100	256QAM	1	1	16.38			17.4	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	15.58	15.57	15.72	17.4	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	QPSK	1	1	15.03	15.79	15.62	17.4	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	15.83	15.88	15.60	17.4	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
50	QPSK	1	1	15.97	16.04	15.95	17.4	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	15.78	15.62	15.73	17.4	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	15.81	16.11	15.88	17.4	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	16.28	16.16	15.91	17.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332		3499.98	20.4	0.0
Frequency (MHz)								
100	Pl2 BPSK	1	1	18.62				
100	Pl2 BPSK	1	137	19.25				
100	Pl2 BPSK	1	271	18.52				
100	Pl2 BPSK	135	0	19.24			20.4	0.0
100	Pl2 BPSK	135	69	19.30			20.4	0.0
100	Pl2 BPSK	135	138	19.18			20.4	0.0
100	Pl2 BPSK	270	0	19.19				
100	QPSK	1	1	18.65				
100	QPSK	1	137	19.36			20.4	0.0
100	QPSK	1	271	18.42				
100	QPSK	135	0	19.05				
100	QPSK	135	69	19.33			20.4	0.0
100	QPSK	135	138	18.95				
100	QPSK	270	0	19.32			20.4	0.0
100	16QAM	1	1	18.94			20.4	0.0
100	64QAM	1	1	18.85			20.4	0.0
100	256QAM	1	1	18.80			20.4	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	18.82	18.54	18.63	20.4	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	QPSK	1	1	18.76	18.63	18.73	20.4	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	18.61	18.69	18.62	20.4	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
50	QPSK	1	1	18.58	18.58	18.56	20.4	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	18.73	18.60	18.63	20.4	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	18.82	18.78	18.73	20.4	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	18.92	18.84	18.81	20.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000		3795	17.4	0.0
Frequency (MHz)								
100	Pl2 BPSK	1	1	15.52				
100	Pl2 BPSK	1	137	16.57				
100	Pl2 BPSK	1	271	15.79				
100	Pl2 BPSK	135	0	16.22			17.4	0.0
100	Pl2 BPSK	135	69	16.58			17.4	0.0
100	Pl2 BPSK	135	138	16.39			17.4	0.0
100	Pl2 BPSK	270	0	16.43				
100	QPSK	1	1	15.51				
100	QPSK	1	137	16.64			17.4	0.0
100	QPSK	1	271	15.68				
100	QPSK	135	0	16.17				
100	QPSK	135	69	16.61			17.4	0.0
100	QPSK	135	138	16.32				
100	QPSK	270	0	16.65			17.4	0.0
100	16QAM	1	1	16.54			17.4	0.0
100	64QAM	1	1	15.56			17.4	0.0
100	256QAM	1	1	16.12			17.4	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3795	3794.98		
90	QPSK	1	1	15.51	15.63	15.57	17.4	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3795	3798.98		
80	QPSK	1	1	15.57	15.68	15.71	17.4	0.0
Channel				648999	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3795	3799.98		
60	QPSK	1	1	15.63	15.82	15.72	17.4	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3795	3774.98		
50	QPSK	1	1	15.77	15.88	15.92	17.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3795	3760		
40	QPSK	1	1	15.74	15.72	15.93	17.4	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3795	3784.98		
30	QPSK	1	1	16.13	15.96	15.81	17.4	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3795	3789.98		
20	QPSK	1	1	16.07	16.14	15.88	17.4	0.0

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BW [MHz]	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)				3750		650000			
100	Pl2 BPSK	1	1		18.63		20.4	0.0	
100	Pl2 BPSK	1	137		18.62				
100	Pl2 BPSK	1	271		19.03				
100	Pl2 BPSK	135	0		19.36		20.4	0.0	
100	Pl2 BPSK	135	69		19.61		20.4	0.0	
100	Pl2 BPSK	135	138		19.64		20.4	0.0	
100	Pl2 BPSK	270	0		19.54		20.4	0.0	
100	QPSK	1	1		18.55				
100	QPSK	1	137		19.73				
100	QPSK	1	271		18.97		20.4	0.0	
100	QPSK	135	0		19.41				
100	QPSK	135	69		19.08				
100	QPSK	135	138		19.83		20.4	0.0	
100	QPSK	270	0		19.65				
100	16QAM	1	1		19.44		20.4	0.0	
100	64QAM	1	1		18.69		20.4	0.0	
100	256QAM	1	1		18.68		20.4	0.0	
Channel									
Frequency (MHz)				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3743.02	3750	3763.66	(dBm)	(dB)	
90	QPSK	1	1		18.53	19.01	19.04	20.4	0.0
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		18.35	18.59	18.60	20.4	0.0
Channel									
Frequency (MHz)				648068	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		18.62	18.67	18.58	20.4	0.0
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
				3723.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		18.89	19.01	19.01	20.4	0.0
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1		18.54	18.61	18.67	20.4	0.0
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3764.98	(dBm)	(dB)	
30	QPSK	1	1		18.92	18.92	18.77	20.4	0.0
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		19.00	19.11	18.87	20.4	0.0

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BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3489.98		633332			
100	Pl2 BPSK	1	1		19.32		21.3	0.0	
100	Pl2 BPSK	1	137		20.21				
100	Pl2 BPSK	1	271		19.31				
100	Pl2 BPSK	135	0		20.03		21.3	0.0	
100	Pl2 BPSK	135	69		20.16		21.3	0.0	
100	Pl2 BPSK	135	138		19.96		21.3	0.0	
100	Pl2 BPSK	270	0		20.00		21.3	0.0	
100	QPSK	1	1		19.34				
100	QPSK	1	137		20.27				
100	QPSK	1	271		19.32		21.3	0.0	
100	QPSK	135	0		19.99				
100	QPSK	135	69		20.25				
100	QPSK	135	138		19.97		21.3	0.0	
100	QPSK	270	0		20.22				
100	16QAM	1	1		19.49		21.3	0.0	
100	64QAM	1	1		19.32		21.3	0.0	
100	256QAM	1	1		19.66		21.3	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3486	3489.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1		19.44	19.46	19.40	21.3	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3489.98	3510	(dBm)	(dB)	
80	QPSK	1	1		19.37	19.69	19.68	21.3	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3489.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1		20.04	19.97	19.74	21.3	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3472.01	3489.98	3523.98	(dBm)	(dB)	
50	QPSK	1	1		19.71	19.94	19.82	21.3	0.0
Channel									
Frequency (MHz)				631334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3489.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1		19.15	19.71	19.69	21.3	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3489.98	3540	(dBm)	(dB)	
20	QPSK	1	1		20.00	20.16	19.97	21.3	0.0

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BW [MHz]	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)				3489.98		633332			
100	Pl2 BPSK	1	1		22.53		24.3	0.0	
100	Pl2 BPSK	1	137		23.29				
100	Pl2 BPSK	1	271		22.35				
100	Pl2 BPSK	135	0		23.22		24.3	0.0	
100	Pl2 BPSK	135	69		23.26		24.3	0.0	
100	Pl2 BPSK	135	138		23.16		24.3	0.0	
100	Pl2 BPSK	270	0		23.21		24.3	0.0	
100	QPSK	1	1		22.45				
100	QPSK	1	137		23.37				
100	QPSK	1	271		22.48		24.3	0.0	
100	QPSK	135	0		23.26				
100	QPSK	135	69		23.24				
100	QPSK	135	138		23.17		24.3	0.0	
100	QPSK	270	0		23.28				
100	16QAM	1	1		22.71		24.3	0.0	
100	64QAM	1	1		22.13		23.8	0.5	
100	256QAM	1	1		20.11		21.8	2.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3486	3489.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1		22.35	22.45	22.37	24.3	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3489.98	3510	(dBm)	(dB)	
80	QPSK	1	1		22.64	22.59	22.52	24.3	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3489.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1		22.70	22.69	22.62	24.3	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3472.01	3489.98	3523.98	(dBm)	(dB)	
50	QPSK	1	1		22.58	22.74	22.92	24.3	0.0
Channel									
Frequency (MHz)				631334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3489.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1		22.68	22.62	22.79	24.3	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3489.98	3540	(dBm)	(dB)	
20	QPSK	1	1		23.01	23.04	22.94	24.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000	21.3	0.0
Frequency (MHz)				3790	3840	3900		
100	Pl2 BPSK	1	1	19.17	19.17	19.01	21.3	0.0
100	Pl2 BPSK	1	137	19.78	19.83	19.73		
100	Pl2 BPSK	1	241	19.15	19.15	19.10		
100	Pl2 BPSK	135	0	19.69	19.73	19.73	21.3	0.0
100	Pl2 BPSK	135	69	19.76	19.82	19.72	21.3	0.0
100	Pl2 BPSK	135	138	19.83	19.88	19.81	21.3	0.0
100	Pl2 BPSK	240	0	19.98	19.77	19.79	21.3	0.0
100	QPSK	1	1	19.10	19.15	19.11		
100	QPSK	1	137	19.50	19.53	19.52		
100	QPSK	1	271	19.30	19.22	19.13	21.3	0.0
100	QPSK	135	0	19.76	19.74	19.65		
100	QPSK	135	69	19.82	19.89	19.86		
100	QPSK	135	138	19.81	19.88	19.77	21.3	0.0
100	QPSK	270	0	19.88	19.86	19.79		
100	MSAM	1	1	19.91	19.03	19.02	21.3	0.0
100	MSAM	1	1	19.05	19.08	19.03	21.3	0.0
100	256QAM	1	1	19.36	19.27	19.12	21.3	0.0
Channel				64968	65000	65232	Tune-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3840	3904.98	(dBm)	(dB)
90	QPSK	1	1	19.05	19.06	19.02	21.3	0.0
Channel				648334	650000	662666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3909.99	(dBm)	(dB)
80	QPSK	1	1	19.18	19.25	19.27	21.3	0.0
Channel				648068	650000	663332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	19.13	19.22	19.25	21.3	0.0
Channel				648334	650000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3723.01	3840	3960.99	(dBm)	(dB)
50	QPSK	1	1	19.48	19.56	19.63	21.3	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3740	3760	(dBm)	(dB)
40	QPSK	1	1	19.40	19.41	19.43	21.3	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	19.22	19.27	19.33	21.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3790	3840	3900	24.3	0.0
Frequency (MHz)				22.00	22.04	22.08		
100	Pl2 BPSK	1	1	22.00	22.04	22.08		
100	Pl2 BPSK	1	137	22.75	22.83	22.76	24.3	0.0
100	Pl2 BPSK	1	241	22.08	22.08	22.04		
100	Pl2 BPSK	135	0	22.57	22.63	22.65		
100	Pl2 BPSK	135	69	22.79	22.86	22.79	24.3	0.0
100	Pl2 BPSK	135	138	22.72	22.82	22.82	24.3	0.0
100	Pl2 BPSK	240	0	22.72	22.71	22.81	24.3	0.0
100	QPSK	1	1	22.02	22.03	22.01		
100	QPSK	1	137	22.83	22.94	22.84		
100	QPSK	1	271	22.07	22.06	22.02	24.3	0.0
100	QPSK	135	0	22.71	22.71	22.71		
100	QPSK	135	69	22.88	22.92	22.87		
100	QPSK	135	138	22.77	22.83	22.76	24.3	0.0
100	QPSK	270	0	22.82	22.86	22.78		
100	MSAM	1	1	22.80	22.04	22.09	24.3	0.0
100	MSAM	1	1	21.55	21.59	21.61	23.8	0.5
100	256QAM	1	1	19.58	19.53	19.58	21.8	2.5
Channel				64968	650000	662332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3743.02	3840	3944.98	(dBm)	(dB)
90	QPSK	1	1	22.14	22.04	22.30	24.3	0.0
Channel				648334	650000	662666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	22.11	22.15	22.21	24.3	0.0
Channel				648068	650000	663332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.27	22.40	22.43	24.3	0.0
Channel				648334	650000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3723.01	3840	3960.99	(dBm)	(dB)
50	QPSK	1	1	22.45	22.51	22.54	24.3	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3740	3760	(dBm)	(dB)
40	QPSK	1	1	22.19	22.24	22.30	24.3	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	22.62	22.74	22.71	24.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63332	63332	63332	21.3	0.0
Frequency (MHz)				19.49	19.51	19.51		
100	Pl2 BPSK	1	1	19.49	19.51	19.51	21.3	0.0
100	Pl2 BPSK	1	137	20.16	20.16	20.16		
100	Pl2 BPSK	1	241	19.51	19.51	19.51		
100	Pl2 BPSK	135	0	20.16	20.16	20.16	21.3	0.0
100	Pl2 BPSK	135	69	20.17	20.17	20.17	21.3	0.0
100	Pl2 BPSK	135	138	20.01	20.01	20.01	21.3	0.0
100	Pl2 BPSK	240	0	20.07	20.07	20.07	21.3	0.0
100	QPSK	1	1	19.48	19.48	19.48		
100	QPSK	1	137	20.26	20.26	20.26		
100	QPSK	1	271	19.58	19.58	19.58	21.3	0.0
100	QPSK	135	0	20.13	20.13	20.13		
100	QPSK	135	69	20.22	20.22	20.22		
100	QPSK	135	138	19.98	19.98	19.98	21.3	0.0
100	QPSK	270	0	20.20	20.20	20.20		
100	MSAM	1	1	19.56	19.56	19.56	21.3	0.0
100	MSAM	1	1	19.31	19.31	19.31	21.3	0.0
100	256QAM	1	1	19.88	19.88	19.88	21.3	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3466	3469.98	3534.99	(dBm)	(dB)
90	QPSK	1	1	19.34	19.51	19.41	21.3	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3469.98	3510	(dBm)	(dB)
80	QPSK	1	1	19.01	19.62	19.70	21.3	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460	3469.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	19.87	19.80	19.89	21.3	0.0
Channel				631998	633332	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3451.02	3469.98	3525	(dBm)	(dB)
50	QPSK	1	1	19.90	19.95	19.95	21.3	0.0
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3451.01	3469.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	19.74	19.68	19.64	21.3	0.0
Channel				631000	633332	636666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3469.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	19.86	19.81	19.86	21.3	0.0
Channel				630998	633332	637000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3469.98	3540	(dBm)	(dB)
20	QPSK	1	1	20.02	20.08	19.94	21.3	0.0

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BW [MHz]	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)				3499.98	633332				
100	Pl2 BPSK	1	1		22.51				
100	Pl2 BPSK	1	137		23.28		24.3	0.0	
100	Pl2 BPSK	1	271		22.33				
100	Pl2 BPSK	135	0		23.17		24.3	0.0	
100	Pl2 BPSK	135	69		23.22		24.3	0.0	
100	Pl2 BPSK	135	138		23.08		24.3	0.0	
100	Pl2 BPSK	270	0		23.13				
100	QPSK	1	1		22.46				
100	QPSK	1	137		23.31		24.3	0.0	
100	QPSK	1	271		22.38				
100	QPSK	135	0		23.16				
100	QPSK	135	69		23.27		24.3	0.0	
100	QPSK	135	138		23.04				
100	QPSK	270	0		23.24		24.3	0.0	
100	16QAM	1	1		22.75		24.3	0.0	
100	8QAM	1	1		22.12		23.8	0.5	
100	256QAM	1	1		20.07		21.8	2.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.53	22.48	22.51	24.3	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.03	22.54	22.53	24.3	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.74	22.66	22.62	24.3	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.87	22.75	22.71	24.3	0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.15	22.57	22.57	24.3	0.0
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.77	22.78	22.72	24.3	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.87	22.92	22.83	24.3	0.0

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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)				3760	650000				
100	Pl2 BPSK	1	1		18.95				
100	Pl2 BPSK	1	137		19.85		21.3	0.0	
100	Pl2 BPSK	1	241		19.03				
100	Pl2 BPSK	135	0		19.85		21.3	0.0	
100	Pl2 BPSK	135	69		19.82		21.3	0.0	
100	Pl2 BPSK	135	138		19.72		21.3	0.0	
100	Pl2 BPSK	270	0		19.79				
100	QPSK	1	1		18.98				
100	QPSK	1	137		19.92		21.3	0.0	
100	QPSK	1	271		19.04				
100	QPSK	135	0		19.82				
100	QPSK	135	69		19.87		21.3	0.0	
100	QPSK	135	138		19.73				
100	QPSK	270	0		19.85		21.3	0.0	
100	16QAM	1	1		18.84		21.3	0.0	
100	8QAM	1	1		18.83		21.3	0.0	
100	256QAM	1	1		19.42		21.3	0.0	
Channel									
Frequency (MHz)				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		19.32	19.34	19.34	21.3	0.0
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		19.34	19.31	19.33	21.3	0.0
Channel									
Frequency (MHz)				648000	650000	651332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		19.38	19.33	19.35	21.3	0.0
Channel									
Frequency (MHz)				647668	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		19.47	19.37	19.41	21.3	0.0
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		19.25	19.33	19.25	21.3	0.0
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		19.39	19.48	19.42	21.3	0.0
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		19.71	19.64	19.62	21.3	0.0

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BW [MHz]	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)				3760	650000				
100	Pl2 BPSK	1	1		22.23				
100	Pl2 BPSK	1	137		22.79		24.3	0.0	
100	Pl2 BPSK	1	271		22.28				
100	Pl2 BPSK	135	0		22.66		24.3	0.0	
100	Pl2 BPSK	135	69		22.78		24.3	0.0	
100	Pl2 BPSK	135	138		22.78		24.3	0.0	
100	Pl2 BPSK	270	0		22.68				
100	QPSK	1	1		22.26				
100	QPSK	1	137		22.89		24.3	0.0	
100	QPSK	1	271		22.29				
100	QPSK	135	0		22.64				
100	QPSK	135	69		22.85		24.3	0.0	
100	QPSK	135	138		22.74				
100	QPSK	270	0		22.85		24.3	0.0	
100	16QAM	1	1		22.24		24.3	0.0	
100	8QAM	1	1		21.76		23.8	0.5	
100	256QAM	1	1		19.75		21.8	2.5	
Channel									
Frequency (MHz)				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.30	22.37	22.34	24.3	0.0
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.31	22.51	22.45	24.3	0.0
Channel									
Frequency (MHz)				648000	650000	651332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.48	22.53	22.52	24.3	0.0
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.57	22.59	22.56	24.3	0.0
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.28	22.53	22.21	24.3	0.0
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.50	22.60	22.54	24.3	0.0
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.76	22.70	22.69	24.3	0.0

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BW [MHz]	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)				633332		3499.98		
100	Pl2 BPSK	1	1	19.82			21.5	0.0
100	Pl2 BPSK	1	137	20.85				
100	Pl2 BPSK	1	271	20.00				
100	Pl2 BPSK	135	0	20.61			21.5	0.0
100	Pl2 BPSK	135	69	20.86			21.5	0.0
100	Pl2 BPSK	135	138	20.74			21.5	0.0
100	Pl2 BPSK	270	0	20.85			21.5	0.0
100	QPSK	1	1	20.27				
100	QPSK	1	137	20.96				
100	QPSK	1	271	20.41			21.5	0.0
100	QPSK	135	0	20.86				
100	QPSK	135	69	20.92				
100	QPSK	135	138	20.87			21.5	0.0
100	QPSK	270	0	20.88				
100	16QAM	1	1	20.05			21.5	0.0
100	64QAM	1	1	20.08			21.5	0.0
100	256QAM	1	1	20.10			21.5	0.0
Channel								
Frequency (MHz)				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.98	19.80	19.81	21.5	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.02	19.99	20.00	21.5	0.0
Channel								
Frequency (MHz)				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.06	20.15	20.23	21.5	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.20	20.23	20.38	21.5	0.0
Channel								
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.04	20.03	20.13	21.5	0.0
Channel								
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.40	20.51	20.43	21.5	0.0

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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)				633332		3499.98		
100	Pl2 BPSK	1	1	22.92			24.5	0.0
100	Pl2 BPSK	1	137	23.85				
100	Pl2 BPSK	1	271	23.03				
100	Pl2 BPSK	135	0	23.76			24.5	0.0
100	Pl2 BPSK	135	69	23.81			24.5	0.0
100	Pl2 BPSK	135	138	23.82			24.5	0.0
100	Pl2 BPSK	270	0	23.78			24.5	0.0
100	QPSK	1	1	22.87				
100	QPSK	1	137	23.93				
100	QPSK	1	271	23.03			24.5	0.0
100	QPSK	135	0	23.74				
100	QPSK	135	69	23.90				
100	QPSK	135	138	23.82			24.5	0.0
100	QPSK	270	0	23.83				
100	16QAM	1	1	23.12			24.5	0.0
100	64QAM	1	1	23.08			24.5	0.0
100	256QAM	1	1	23.10			24.5	1.5
Channel								
Frequency (MHz)				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.89	22.92	22.99	24.5	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.84	22.99	23.08	24.5	0.0
Channel								
Frequency (MHz)				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.04	23.11	23.17	24.5	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.21	23.15	23.29	24.5	0.0
Channel								
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.00	23.09	23.13	24.5	0.0
Channel								
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.22	23.18	23.22	24.5	0.0

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BW [MHz]	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)				648000		3790	3840	3900
100	Pl2 BPSK	1	1	19.79	19.83	19.78	21.5	0.0
100	Pl2 BPSK	1	137	20.89	20.88	20.79		
100	Pl2 BPSK	1	221	20.06	20.01	19.99		
100	Pl2 BPSK	135	0	20.70	20.65	20.56	21.5	0.0
100	Pl2 BPSK	135	69	20.76	20.89	20.85	21.5	0.0
100	Pl2 BPSK	135	138	20.73	20.81	20.74	21.5	0.0
100	Pl2 BPSK	210	0	20.79	20.75	20.81	21.5	0.0
100	QPSK	1	1	19.85	19.80	19.70		
100	QPSK	1	137	20.94	20.95	20.79		
100	QPSK	1	271	20.01	20.01	19.88	21.5	0.0
100	QPSK	135	0	20.63	20.63	20.67		
100	QPSK	135	69	20.95	20.92	20.77		
100	QPSK	135	138	20.72	20.76	20.68	21.5	0.0
100	QPSK	270	0	20.59	20.84	20.71		
100	8QAM	1	1	19.53	19.56	19.58	21.5	0.0
100	8QAM	1	1	19.60	19.58	19.58	21.5	0.0
100	256QAM	1	1	20.01	20.13	20.09	21.5	0.0
Channel								
Frequency (MHz)				649668	650000	652332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.57	19.70	19.58	21.5	0.0
Channel								
Frequency (MHz)				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.61	19.78	19.85	21.5	0.0
Channel								
Frequency (MHz)				648668	650000	653332	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.90	19.96	19.92	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.02	20.01	20.06	21.5	0.0
Channel								
Frequency (MHz)				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.74	19.86	19.97	21.5	0.0
Channel								
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.04	20.14	20.15	21.5	0.0

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BW [MHz]	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)				65000	65000	65000	63332	
100	Pl2 BPSK	1	1	22.88	22.98	22.87	24.5	0.0
100	Pl2 BPSK	1	137	23.85	23.97	23.92		
100	Pl2 BPSK	1	221	23.15	23.11	23.09		
100	Pl2 BPSK	135	0	23.72	23.73	23.59	24.5	0.0
100	Pl2 BPSK	135	69	23.87	23.88	23.88	24.5	0.0
100	Pl2 BPSK	135	138	23.78	23.85	23.81	24.5	0.0
100	Pl2 BPSK	210	0	23.92	23.80	23.78	24.5	0.0
100	QPSK	1	1	22.78	22.88	22.91		
100	QPSK	1	137	23.51	24.03	23.74		
100	QPSK	1	271	23.03	23.08	22.99	24.5	0.0
100	QPSK	135	0	23.87	23.70	23.87		
100	QPSK	135	69	23.93	23.95	23.93		
100	QPSK	135	138	23.85	23.85	23.81	24.5	0.0
100	QPSK	270	0	23.89	23.91	23.89		
100	16QAM	1	1	22.95	23.07	22.93	24.5	0.0
100	64QAM	1	1	22.89	23.03	22.96	24.5	0.0
100	256QAM	1	1	21.34	21.45	21.44	23.0	1.5
Channel								
Frequency (MHz)				648663	656000	662332	63332	
90	QPSK	1	1	22.57	22.91	22.59	24.5	0.0
Channel								
Frequency (MHz)				648334	656000	662666	63332	
80	QPSK	1	1	22.52	22.66	22.58	24.5	0.0
Channel								
Frequency (MHz)				648000	656000	663000	63332	
60	QPSK	1	1	22.73	22.79	22.72	24.5	0.0
Channel								
Frequency (MHz)				647634	656000	663666	63332	
50	QPSK	1	1	22.78	22.81	22.80	24.5	0.0
Channel								
Frequency (MHz)				647300	656000	664000	63332	
40	QPSK	1	1	22.55	22.68	22.75	24.5	0.0
Channel								
Frequency (MHz)				647000	656000	664666	63332	
20	QPSK	1	1	22.82	22.88	22.90	24.5	0.0

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BW [MHz]	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)				3489.98	633332	3489.98		
100	Pl2 BPSK	1	1	19.62	633332	19.62	21.0	0.0
100	Pl2 BPSK	1	137	20.38		20.38		
100	Pl2 BPSK	1	271	19.66		19.66		
100	Pl2 BPSK	135	0	20.21	633332	20.21	21.0	0.0
100	Pl2 BPSK	135	69	20.42		20.42		
100	Pl2 BPSK	135	138	20.33		20.33		
100	Pl2 BPSK	270	0	20.26	633332	20.26	21.0	0.0
100	QPSK	1	1	19.66		19.66		
100	QPSK	1	137	20.44		20.44		
100	QPSK	1	271	19.70	633332	19.70	21.0	0.0
100	QPSK	135	0	20.23		20.23		
100	QPSK	135	69	20.41		20.41		
100	QPSK	135	138	20.31	633332	20.31	21.0	0.0
100	QPSK	270	0	20.36		20.36		
100	16QAM	1	1	19.44		19.44		
100	64QAM	1	1	19.43	633332	19.43	21.0	0.0
100	256QAM	1	1	20.06		20.06		
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.19	19.23	19.36	21.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.31	19.29	19.26	21.0	0.0
Channel								
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.40	19.43	19.51	21.0	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.62	19.68	19.65	21.0	0.0
Channel								
Frequency (MHz)				631334	633332	636332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.19	19.53	19.59	21.0	0.0
Channel								
Frequency (MHz)				631000	633332	636666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.54	19.63	19.67	21.0	0.0
Channel								
Frequency (MHz)				630668	633332	637000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.14	20.09	20.16	21.0	0.0

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BW [MHz]	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)				3489.98	633332	3489.98		
100	Pl2 BPSK	1	1	22.32	633332	22.32	24.0	0.0
100	Pl2 BPSK	1	137	23.19		23.19		
100	Pl2 BPSK	1	271	22.36		22.36		
100	Pl2 BPSK	135	0	23.08	633332	23.08	24.0	0.0
100	Pl2 BPSK	135	69	23.17		23.17		
100	Pl2 BPSK	135	138	23.15		23.15		
100	Pl2 BPSK	270	0	23.09	633332	23.09	24.0	0.0
100	QPSK	1	1	22.34		22.34		
100	QPSK	1	137	23.30		23.30		
100	QPSK	1	271	22.32	633332	22.32	24.0	0.0
100	QPSK	135	0	23.08		23.08		
100	QPSK	135	69	23.28		23.28		
100	QPSK	135	138	23.18	633332	23.18	24.0	0.0
100	QPSK	270	0	23.21		23.21		
100	16QAM	1	1	22.48		22.48		
100	64QAM	1	1	22.40	633332	22.40	24.0	0.0
100	256QAM	1	1	21.33		21.33		
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.47	22.47	22.56	24.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.42	22.46	22.47	24.0	0.0
Channel								
Frequency (MHz)				632332	633332	634666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.51	22.47	22.50	24.0	0.0
Channel								
Frequency (MHz)				631998	633332	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.54	22.60	22.55	24.0	0.0
Channel								
Frequency (MHz)				631334	633332	636332	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.25	22.33	22.45	24.0	0.0
Channel								
Frequency (MHz)				631000	633332	636666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.79	22.83	23.01	24.0	0.0
Channel								
Frequency (MHz)				630668	633332	637000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.99	23.00	23.04	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			21.0	0.0
Frequency (MHz)				3750				
100	Pl2 BPSK	1	1	19.46			21.0	0.0
100	Pl2 BPSK	1	137	20.30				
100	Pl2 BPSK	1	211	19.60				
100	Pl2 BPSK	135	0	20.17			21.0	0.0
100	Pl2 BPSK	135	69	20.25			21.0	0.0
100	Pl2 BPSK	135	138	20.19			21.0	0.0
100	Pl2 BPSK	210	0	20.15			21.0	0.0
100	QPSK	1	1	19.42				
100	QPSK	1	137	20.38				
100	QPSK	1	211	19.57			21.0	0.0
100	QPSK	135	0	20.09				
100	QPSK	135	69	20.32				
100	QPSK	135	138	20.17			21.0	0.0
100	QPSK	270	0	20.26				
100	8QAM	1	1	19.22			21.0	0.0
100	8QAM	1	1	19.26			21.0	0.0
100	256QAM	1	1	19.81			21.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3750	3764.98	(dBm)	(dB)
90	QPSK	1	1	19.50	19.45	19.30	21.0	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	19.49	19.04	19.01	21.0	0.0
Channel				646968	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	19.77	19.83	19.87	21.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3723.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	19.97	20.08	20.04	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	1	19.53	19.51	19.95	21.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3764.98	(dBm)	(dB)
30	QPSK	1	1	20.00	20.09	20.19	21.0	0.0
Channel				641334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	20.14	20.24	20.31	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			24.0	0.0
Frequency (MHz)				3750				
100	Pl2 BPSK	1	1	22.24			24.0	0.0
100	Pl2 BPSK	1	137	23.24				
100	Pl2 BPSK	1	211	22.40				
100	Pl2 BPSK	135	0	23.08			24.0	0.0
100	Pl2 BPSK	135	69	23.23			24.0	0.0
100	Pl2 BPSK	135	138	23.21			24.0	0.0
100	Pl2 BPSK	210	0	23.18			24.0	0.0
100	QPSK	1	1	22.18				
100	QPSK	1	137	23.26				
100	QPSK	1	211	22.31			24.0	0.0
100	QPSK	135	0	23.06				
100	QPSK	135	69	23.26				
100	QPSK	135	138	23.17			24.0	0.0
100	QPSK	270	0	23.22				
100	16QAM	1	1	22.47			24.0	0.0
100	64QAM	1	1	22.33			24.0	0.0
100	256QAM	1	1	21.23			23.0	1.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3750	3764.98	(dBm)	(dB)
90	QPSK	1	1	22.49	22.57	22.55	24.0	0.0
Channel				648334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	22.35	22.52	22.82	24.0	0.0
Channel				646968	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	22.72	22.71	22.71	24.0	0.0
Channel				646334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3723.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	22.97	22.97	23.02	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	1	22.61	22.70	22.63	24.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3764.98	(dBm)	(dB)
30	QPSK	1	1	22.88	22.83	22.99	24.0	0.0
Channel				641334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	23.07	23.10	23.19	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			21.3	0.0
Frequency (MHz)				3499.98				
100	Pl2 BPSK	1	1	19.82			21.3	0.0
100	Pl2 BPSK	1	137	20.44				
100	Pl2 BPSK	1	211	19.61				
100	Pl2 BPSK	135	0	20.38			21.3	0.0
100	Pl2 BPSK	135	69	20.46			21.3	0.0
100	Pl2 BPSK	135	138	20.31			21.3	0.0
100	Pl2 BPSK	210	0	20.35			21.3	0.0
100	QPSK	1	1	19.64				
100	QPSK	1	137	20.53				
100	QPSK	1	211	19.61			21.3	0.0
100	QPSK	135	0	20.33				
100	QPSK	135	69	20.45				
100	QPSK	135	138	20.24			21.3	0.0
100	QPSK	270	0	20.31				
100	16QAM	1	1	19.43			20.8	0.5
100	64QAM	1	1	19.42			20.8	0.5
100	256QAM	1	1	19.01			20.3	1.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3496	3499.98	3504.98	(dBm)	(dB)
90	QPSK	1	1	19.85	19.83	19.76	21.3	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	19.83	19.82	19.84	21.3	0.0
Channel				630000	633332	636666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	19.96	19.97	19.93	21.3	0.0
Channel				631968	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525.02	(dBm)	(dB)
50	QPSK	1	1	20.13	20.12	20.08	21.3	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	19.97	19.84	19.82	21.3	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	20.26	20.29	20.33	21.3	0.0

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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									
Frequency (MHz)				3499.98	633332				
100	Pl2 BPSK	1	1		22.64		24.3	0.0	
100	Pl2 BPSK	1	137		23.49				
100	Pl2 BPSK	1	271		22.60				
100	Pl2 BPSK	135	0		23.38		24.3	0.0	
100	Pl2 BPSK	135	69		23.39		24.3	0.0	
100	Pl2 BPSK	135	138		23.28		24.3	0.0	
100	Pl2 BPSK	270	0		23.30				
100	QPSK	1	1		22.57		24.3	0.0	
100	QPSK	1	137		23.54				
100	QPSK	1	271		22.48				
100	QPSK	135	0		22.86		24.3	0.0	
100	QPSK	135	69		23.46				
100	QPSK	135	138		22.76				
100	QPSK	270	0		22.86		23.8	0.5	
100	16QAM	1	1		20.77		23.8	0.5	
100	8QAM	1	1		22.26		22.3	2.0	
100	256QAM	1	1		18.85		20.3	4.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.79	22.84	22.74	24.3	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.38	22.87	22.47	24.3	0.0
Channel									
Frequency (MHz)				3480	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.84	23.00	23.03	24.3	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.02	23.08	23.00	24.3	0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.77	22.86	22.82	24.3	0.0
Channel									
Frequency (MHz)				3460.02	3499.98	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.21	23.21	24.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	19.65	19.51	19.37	21.3	0.0
100	Pl2 BPSK	1	137	20.47	20.21	20.18		
100	Pl2 BPSK	1	271	19.30	19.38	19.30		
100	Pl2 BPSK	135	0	20.33	20.18	20.11		
100	Pl2 BPSK	135	69	20.42	20.27	20.27		
100	Pl2 BPSK	135	138	20.16	19.97	19.97	21.3	0.0
100	Pl2 BPSK	270	0	20.24	20.07	20.01	21.3	0.0
100	QPSK	1	1	19.66	19.53	19.46		
100	QPSK	1	137	20.48	20.26	20.06		
100	QPSK	1	271	19.31	19.35	19.34		
100	QPSK	135	0	20.32	20.15	19.98		
100	QPSK	135	69	20.41	20.25	19.95	21.3	0.0
100	QPSK	135	138	20.19	20.02	19.95		
100	QPSK	270	0	20.22	20.02	19.82		
100	16QAM	1	1	19.38	19.26	19.23		
100	64QAM	1	1	19.43	19.27	19.22		
100	256QAM	1	1	18.88	18.87	18.88	20.3	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.73	19.69	19.64	21.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.87	19.81	20.28	21.3	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.87	19.81	20.28	21.3	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.15	19.87	19.83	21.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.00	19.74	19.58	21.3	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.30	20.05	19.83	21.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	23.00	22.81	22.44	24.3	0.0
100	Pl2 BPSK	1	137	23.50	23.32	23.00		
100	Pl2 BPSK	1	271	22.40	22.45	22.35		
100	Pl2 BPSK	135	0	23.44	23.32	23.03	24.3	0.0
100	Pl2 BPSK	135	69	23.49	23.36	23.03	24.3	0.0
100	Pl2 BPSK	135	138	23.36	23.12	23.00	24.3	0.0
100	Pl2 BPSK	270	0	23.42	23.20	23.06	24.3	0.0
100	QPSK	1	1	22.80	22.57	22.30	24.3	0.0
100	QPSK	1	137	23.51	23.19	23.06		
100	QPSK	1	271	22.31	22.36	22.30		
100	QPSK	135	0	22.91	22.75	22.36	24.3	0.0
100	QPSK	135	69	23.50	23.14	23.05		
100	QPSK	135	138	22.86	22.54	22.50		
100	QPSK	270	0	22.77	22.66	22.61	23.8	0.5
100	16QAM	1	1	22.31	22.30	22.07	23.8	0.5
100	8QAM	1	1	20.76	20.80	20.50	22.3	2.0
100	256QAM	1	1	18.64	18.61	18.50	20.3	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.84	22.54	22.50	24.3	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.89	22.80	22.99	24.3	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	649668	650000	651332	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.95	22.79	22.50	24.3	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3726.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.97	22.85	22.63	24.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.75	22.65	22.52	24.3	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	654666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3702.01	3840	3969.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.07	23.05	22.77	24.3	0.0

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633332		3489.98	21.3	0.0	
Frequency (MHz)				3489.98					
100	Pl2 BPSK	1	1	19.59					
100	Pl2 BPSK	1	137	20.47					
100	Pl2 BPSK	1	271	19.55			21.3	0.0	
100	Pl2 BPSK	135	0	20.33					
100	Pl2 BPSK	135	69	20.41					
100	Pl2 BPSK	135	138	20.27					
100	Pl2 BPSK	270	0	20.25			21.3	0.0	
100	QPSK	1	1	19.62					
100	QPSK	1	137	20.51					
100	QPSK	1	271	19.58			21.3	0.0	
100	QPSK	135	0	20.32					
100	QPSK	135	69	20.47					
100	QPSK	135	138	20.23					
100	QPSK	270	0	20.24			21.3	0.0	
100	16QAM	1	1	19.36					
100	16QAM	1	1	19.40					
100	256QAM	1	1	19.06					
100	256QAM	1	1	20.3			1.0		
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3485	3489.98	3504.99	(dbm)	(db)	
90	QPSK	1	1	19.68	19.64	19.73	21.3	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3489.98	3510	(dbm)	(db)	
80	QPSK	1	1	19.59	19.65	19.75	21.3	0.0	
Channel				632330	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3489.98	3519.99	(dbm)	(db)	
60	QPSK	1	1	19.84	19.88	19.84	21.3	0.0	
Channel				631968	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3489.98	3525	(dbm)	(db)	
50	QPSK	1	1	20.02	19.97	20.00	21.3	0.0	
Channel				631334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3489.98	3528.98	(dbm)	(db)	
40	QPSK	1	1	19.75	19.80	19.79	21.3	0.0	
Channel				631000	633332	636666	Tune-up limit	MPR	
Frequency (MHz)				3465	3489.98	3534.99	(dbm)	(db)	
30	QPSK	1	1	19.87	19.92	19.91	21.3	0.0	
Channel				630668	633332	637000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3489.98	3540	(dbm)	(db)	
20	QPSK	1	1	20.14	20.09	20.15	21.3	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3489.98	24.3	0.0	
Frequency (MHz)				3489.98					
100	Pl2 BPSK	1	1	22.85					
100	Pl2 BPSK	1	137	23.50					
100	Pl2 BPSK	1	271	22.60			24.3	0.0	
100	Pl2 BPSK	135	0	23.37					
100	Pl2 BPSK	135	69	23.35					
100	Pl2 BPSK	135	138	23.27					
100	Pl2 BPSK	270	0	23.34			24.3	0.0	
100	QPSK	1	1	22.96					
100	QPSK	1	137	23.53					
100	QPSK	1	271	22.54			24.3	0.0	
100	QPSK	135	0	22.83					
100	QPSK	135	69	23.48					
100	QPSK	135	138	22.76					
100	QPSK	270	0	23.01			24.3	0.5	
100	16QAM	1	1	22.48					
100	16QAM	1	1	20.95					
100	256QAM	1	1	18.83					
100	256QAM	1	1	20.3			4.0		
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3485	3489.98	3494.99	(dBm)	(dB)	
90	QPSK	1	1	22.71	22.80	22.77	24.3	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3489.98	3510	(dBm)	(dB)	
80	QPSK	1	1	22.62	22.83	22.83	24.3	0.0	
Channel				632330	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3489.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	23.01	23.07	22.95	24.3	0.0	
Channel				631968	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3489.98	3505	(dBm)	(dB)	
50	QPSK	1	1	23.22	23.26	23.18	24.3	0.0	
Channel				631334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3489.98	3523.98	(dBm)	(dB)	
40	QPSK	1	1	22.92	22.98	22.91	24.3	0.0	
Channel				631000	633332	636666	Tune-up limit	MPR	
Frequency (MHz)				3465	3489.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	23.13	23.18	23.12	24.3	0.0	
Channel				630668	633332	637000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3489.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.33	23.29	23.27	24.3	0.0	

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	19.42			21.3	0.0	
100	Pl2 BPSK	1	137	20.33					
100	Pl2 BPSK	1	271	19.43					
100	Pl2 BPSK	135	0	20.17			21.3	0.0	
100	Pl2 BPSK	135	69	20.31			21.3	0.0	
100	Pl2 BPSK	135	138	20.04			21.3	0.0	
100	Pl2 BPSK	270	0	20.08					
100	QPSK	1	1	19.45					
100	QPSK	1	137	20.42			21.3	0.0	
100	QPSK	1	271	19.47					
100	QPSK	135	0	20.12					
100	QPSK	135	69	20.32			21.3	0.0	
100	QPSK	135	138	20.02					
100	QPSK	270	0	20.15					
100	16QAM	1	1	19.17			20.8	0.5	
100	64QAM	1	1	19.19			20.8	0.5	
100	256QAM	1	1	18.93			20.3	1.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.54	19.50	19.56	21.3	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.81	19.01	19.94	21.3	0.0	
Channel				649668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.84	19.95	19.95	21.3	0.0	
Channel				649334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	20.05	20.01	20.08	21.3	0.0	
Channel				649000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.91	19.76	19.90	21.3	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	20.06	20.02	20.00	21.3	0.0	
Channel				641254	650000	652895	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	20.17	20.07	20.06	21.3	0.0	

Part270_n78(HPUE)_Ant 6									
BW [MHz]	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)				3750					
100	P12 BPSK	1	1	22.38			24.3	0.0	
100	P12 BPSK	1	137	23.17					
100	P12 BPSK	1	271	22.31					
100	P12 BPSK	135	0	23.08			24.3	0.0	
100	P12 BPSK	135	69	23.12			24.3	0.0	
100	P12 BPSK	135	138	22.97			24.3	0.0	
100	P12 BPSK	270	0	23.01					
100	QPSK	1	1	22.33					
100	QPSK	1	137	23.32			24.3	0.0	
100	QPSK	1	271	22.38					
100	QPSK	135	0	22.58					
100	QPSK	135	69	23.28			24.3	0.0	
100	QPSK	135	138	22.47					
100	QPSK	270	0	22.55					
100	16QAM	1	1	21.98			23.8	0.5	
100	64QAM	1	1	20.42			22.3	2.0	
100	256QAM	1	1	18.36			20.3	4.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	22.51	22.59	22.52	24.3	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	22.54	22.58	22.68	24.3	0.0	
Channel				649668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	22.73	22.72	22.80	24.3	0.0	
Channel				649334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	22.84	22.90	23.00	24.3	0.0	
Channel				649000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.58	22.55	22.62	24.3	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	22.75	22.85	22.90	24.3	0.0	
Channel				641254	650000	652896	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	22.97	22.96	23.07	24.3	0.0	

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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	Pl2 BPSK	1	1	24.53	24.58	24.49			
20	Pl2 BPSK	1	53	24.34	24.43	24.31	25.5	0.0	
20	Pl2 BPSK	1	104	24.30	24.45	24.35			
20	Pl2 BPSK	50	0	23.83	23.95	23.92	25.0	0.5	
20	Pl2 BPSK	50	28	24.34	24.45	24.42	25.5	0.0	
20	Pl2 BPSK	50	56	23.95	23.99	23.82	25.0	0.5	
20	Pl2 BPSK	100	0	24.00	24.03	23.92			
20	QPSK	1	1	24.52	24.61	24.57			
20	QPSK	1	53	24.40	24.54	24.44	25.5	0.0	
20	QPSK	1	104	24.26	24.37	24.31			
20	QPSK	50	0	23.31	23.47	23.37	24.5	1.0	
20	QPSK	50	28	24.30	24.53	24.46	25.5	0.0	
20	QPSK	50	56	23.28	23.43	23.28	24.5	1.0	
20	QPSK	100	0	23.44	23.51	23.38			
20	16QAM	1	1	23.12	23.22	23.13	24.5	1.0	
20	64QAM	1	1	21.58	21.63	21.55	23.0	2.5	
20	256QAM	1	1	20.07	20.23	20.13	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.42	24.45	24.51	25.5	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.45	24.44	24.46	25.5	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.42	24.57	24.54	25.5	0.0	

n5_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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	23.91	24.07	24.00			
20	Pl2 BPSK	1	53	24.20	24.25	24.10	25.3	0.0	
20	Pl2 BPSK	1	104	23.96	24.07	23.91			
20	Pl2 BPSK	50	0	23.53	23.70	23.62	24.8	0.5	
20	Pl2 BPSK	50	28	24.14	24.24	24.10	25.3	0.0	
20	Pl2 BPSK	50	56	23.42	23.52	23.43	24.8	0.5	
20	Pl2 BPSK	100	0	23.56	23.64	23.51			
20	QPSK	1	1	23.88	23.98	23.84			
20	QPSK	1	53	24.00	24.30	24.12	25.3	0.0	
20	QPSK	1	104	23.95	24.05	24.00			
20	QPSK	50	0	23.20	23.23	23.08	24.3	1.0	
20	QPSK	50	28	24.05	24.25	24.10	25.3	0.0	
20	QPSK	50	56	22.87	22.92	22.79	24.3	1.0	
20	QPSK	100	0	23.01	23.19	22.91			
20	16QAM	1	1	22.59	22.73	22.60	24.3	1.0	
20	64QAM	1	1	21.26	21.35	21.25	22.8	2.5	
20	256QAM	1	1	19.86	19.97	19.86	20.8	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.02	24.07	24.01	25.3	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.01	24.17	24.05	25.3	0.0	
Channel				166300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.90	24.10	23.99	25.3	0.0	

n7_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				505000	507000	509000			
Frequency (MHz)				2495	2495	2495			
50	Pl2 BPSK	1	1	23.31	23.27	23.14			
50	Pl2 BPSK	1	135	23.60	23.59	23.61	24.5	0.0	
50	Pl2 BPSK	1	268	23.20	23.33	23.24			
50	Pl2 BPSK	135	0	23.53	23.68	23.65	24.5	0.0	
50	Pl2 BPSK	135	68	23.55	23.66	23.71	24.5	0.0	
50	Pl2 BPSK	135	135	23.61	23.69	23.64	24.5	0.0	
50	Pl2 BPSK	270	0	23.55	23.65	23.57			
50	QPSK	1	1	23.62	23.72	23.57			
50	QPSK	1	135	23.51	23.57	23.56	24.5	0.0	
50	QPSK	1	268	23.31	23.30	23.21			
50	QPSK	135	0	23.70	23.71	23.66	24.5	0.0	
50	QPSK	135	68	23.61	23.66	23.54	24.5	0.0	
50	QPSK	135	135	23.65	23.70	23.69	24.5	0.0	
50	QPSK	270	0	23.56	23.69	23.64			
50	16QAM	1	1	23.92	23.06	23.04	24.5	0.0	
50	64QAM	1	1	21.47	21.58	21.53	23.0	1.5	
50	256QAM	1	1	20.21	20.20	20.06	21.0	3.5	
Channel				506000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2490	2495	2490	(dBm)	(dB)	
40	QPSK	1	1	23.30	23.27	23.11	24.5	0.0	
Channel				505000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2415	2435	2455	(dBm)	(dB)	
30	QPSK	1	1	23.24	23.22	23.02	24.5	0.0	
Channel				505500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2412.5	2435	2457.5	(dBm)	(dB)	
25	QPSK	1	1	23.24	23.20	23.05	24.5	0.0	
Channel				505000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2410	2435	2460	(dBm)	(dB)	
20	QPSK	1	1	23.22	23.20	23.09	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2435	2462.5	(dBm)	(dB)	
15	QPSK	1	1	23.30	23.24	23.15	24.5	0.0	
Channel				507000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2405	2435	2465	(dBm)	(dB)	
10	QPSK	1	1	23.27	23.15	23.04	24.5	0.0	
Channel				506500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2402.5	2435	2467.5	(dBm)	(dB)	
5	QPSK	1	1	23.23	23.18	23.04	24.5	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				505000	507000	509000			
Frequency (MHz)				250.5	253.5	256.5			
50	PQ2 BPSK	1	1	23.30	23.34	23.48			
50	PQ2 BPSK	1	135	23.66	23.61	23.68	25.1	0.0	
50	PQ2 BPSK	1	268	23.38	23.50	23.41			
50	PQ2 BPSK	135	0	23.35	23.44	23.28	24.6	0.5	
50	PQ2 BPSK	135	68	23.71	23.50	23.70	25.1	0.0	
50	PQ2 BPSK	135	135	23.13	23.28	23.17			
50	PQ2 BPSK	270	0	23.33	23.43	23.31	24.6	0.5	
50	QPSK	1	1	23.49	23.56	23.40			
50	QPSK	1	135	23.57	23.72	23.61	25.1	0.0	
50	QPSK	1	268	23.20	23.38	23.22			
50	QPSK	135	0	22.85	22.92	22.80	24.1	1.0	
50	QPSK	135	68	23.50	23.68	23.50	25.1	0.0	
50	QPSK	135	135	22.75	22.80	22.68			
50	QPSK	270	0	22.96	22.62	22.55	24.1	1.0	
50	16QAM	1	1	22.14	22.23	22.14	24.1	1.0	
50	64QAM	1	1	20.68	20.80	20.78	22.6	2.5	
50	256QAM	1	1	19.36	19.40	19.29	20.6	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520 <th>2535<th>2550</th><th></th><th></th><th></th></th>	2535 <th>2550</th> <th></th> <th></th> <th></th>	2550			
40	QPSK	1	1	23.49	23.59	23.53	25.1	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516 <th>2535<th>2555<th></th><th></th><th></th></th></th>	2535 <th>2555<th></th><th></th><th></th></th>	2555 <th></th> <th></th> <th></th>			
30	QPSK	1	1	23.43	23.68	23.48	25.1	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5 <th>2535<th>2557.5<th></th><th></th><th></th></th></th>	2535 <th>2557.5<th></th><th></th><th></th></th>	2557.5 <th></th> <th></th> <th></th>			
25	QPSK	1	1	23.47	23.64	23.51	25.1	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5 <th>2535<th>2562.5<th></th><th></th><th></th></th></th>	2535 <th>2562.5<th></th><th></th><th></th></th>	2562.5 <th></th> <th></th> <th></th>			
20	QPSK	1	1	23.44	23.67	23.58	25.1	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5 <th>2535<th>2562.5<th></th><th></th><th></th></th></th>	2535 <th>2562.5<th></th><th></th><th></th></th>	2562.5 <th></th> <th></th> <th></th>			
15	QPSK	1	1	23.47	23.70	23.49	25.1	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
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	1	23.48	23.61	23.52	25.1	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5 <th>2535<th>2567.5<th></th><th></th><th></th></th></th>	2535 <th>2567.5<th></th><th></th><th></th></th>	2567.5 <th></th> <th></th> <th></th>			
5	QPSK	1	1	23.50	23.57	23.58	25.1	0.0	

n7_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				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PQ2 BPSK	1	1	23.29	23.22	23.28			
50	PQ2 BPSK	1	135	23.34	23.44	23.49	25.2	0.0	
50	PQ2 BPSK	1	268	23.28	23.21	23.24			
50	PQ2 BPSK	135	0	23.49	23.58	23.47	25.2	0.0	
50	PQ2 BPSK	135	68	23.51	23.36	23.60	25.2	0.0	
50	PQ2 BPSK	135	135	23.61	23.60	23.59			
50	PQ2 BPSK	270	0	23.68	23.59	23.51	25.2	0.0	
50	QPSK	1	1	23.20	23.22	23.24			
50	QPSK	1	135	23.57	23.62	23.55	25.2	0.0	
50	QPSK	1	268	23.28	23.25	23.25			
50	QPSK	135	0	22.89	23.01	22.88	24.7	0.5	
50	QPSK	135	68	23.50	23.52	23.51	25.2	0.0	
50	QPSK	135	135	23.16	23.11	23.11	24.7	0.5	
50	QPSK	270	0	22.88	23.01	22.92	24.7	0.5	
50	16QAM	1	1	22.72	22.71	22.76	24.7	0.5	
50	64QAM	1	1	21.21	21.23	21.21	23.2	2.0	
50	256QAM	1	1	19.58	19.58	19.50	21.2	4.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.29	23.38	23.28	25.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.23	23.28	23.25	25.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.28	23.21	23.29	25.2	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.22	23.27	23.27	25.2	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.20	23.25	23.24	25.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.21	23.33	23.29	25.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.24	23.31	23.23	25.2	0.0	

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2505	2535	2565			
50	PQ2 BPSK	1	1	23.32	23.44	23.38			
50	PQ2 BPSK	1	135	23.15	23.25	23.20	24.7	0.0	
50	PQ2 BPSK	1	268	23.30	23.37	23.35			
50	PQ2 BPSK	135	0	22.54	22.66	22.57	24.2	0.5	
50	PQ2 BPSK	135	68	23.45	23.49	23.34	24.7	0.0	
50	PQ2 BPSK	135	135	22.65	22.73	22.60			
50	PQ2 BPSK	270	0	22.64	22.77	22.60	24.2	0.5	
50	QPSK	1	1	23.55	23.56	23.42			
50	QPSK	1	135	23.33	23.40	23.26	24.7	0.0	
50	QPSK	1	268	23.24	23.31	23.19			
50	QPSK	135	0	22.47	22.54	22.43	23.7	1.0	
50	QPSK	135	68	23.51	23.48	23.40	24.7	0.0	
50	QPSK	135	135	22.50	22.58	22.51	23.7	1.0	
50	QPSK	270	0	22.52	22.65	22.49	23.7	1.0	
50	16QAM	1	1	21.78	21.82	21.76	23.7	1.0	
50	64QAM	1	1	20.23	20.37	20.33	22.2	2.5	
50	256QAM	1	1	18.89	19.02	18.99	20.2	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520 <th>2535<th>2560</th><th></th><th></th><th></th></th>	2535 <th>2560</th> <th></th> <th></th> <th></th>	2560			
40	QPSK	1	1	23.20	23.44	23.40	24.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516 <th>2535<th>2555<th></th><th></th><th></th></th></th>	2535 <th>2555<th></th><th></th><th></th></th>	2555 <th></th> <th></th> <th></th>			
30	QPSK	1	1	23.29	23.49	23.25	24.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5 <th>2535<th>2557.5<th></th><th></th><th></th></th></th>	2535 <th>2557.5<th></th><th></th><th></th></th>	2557.5 <th></th> <th></th> <th></th>			
25	QPSK	1	1	23.24	23.53	23.30	24.7	0.0	
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <th>2535<th>2562.5<th></th><th></th><th></th></th></th>	2535 <th>2562.5<th></th><th></th><th></th></th>	2562.5 <th></th> <th></th> <th></th>			
20	QPSK	1	1	23.28	23.47	23.27	24.7	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5 <th>2535<th>2564.5<th></th><th></th><th></th></th></th>	2535 <th>2564.5<th></th><th></th><th></th></th>	2564.5 <th></th> <th></th> <th></th>			
15	QPSK	1	1	23.30	23.39	23.40	24.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
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	1	23.29	23.38	23.26	24.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5 <th>2535<th>2567.5<th></th><th></th><th></th></th></th>	2535 <th>2567.5<th></th><th></th><th></th></th>	2567.5 <th></th> <th></th> <th></th>			
5	QPSK	1	1	23.31	23.51	23.24	24.7	0.0	

n66_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				346000	349000	352000			
Frequency (MHz)				1745	1760	1775			
40	PI2 BPSK	1	1	23.71	23.62	23.76	25.5	0.0	
40	PI2 BPSK	1	108	24.33	24.37	24.22			
40	PI2 BPSK	1	214	23.76	23.85	23.79			
40	PI2 BPSK	108	0	23.77	23.92	23.88	25.0	0.5	
40	PI2 BPSK	108	54	24.31	24.40	24.27	25.5	0.0	
40	PI2 BPSK	108	108	23.83	23.97	23.90	25.0	0.5	
40	PI2 BPSK	216	0	23.80	23.96	23.88			
40	QPSK	1	1	23.68	23.76	23.70			
40	QPSK	1	108	24.21	24.42	24.30	25.5	0.0	
40	QPSK	1	214	23.63	23.74	23.68	24.5	1.0	
40	QPSK	108	0	23.28	23.42	23.25			
40	QPSK	108	54	24.20	24.36	24.26			
40	QPSK	108	108	23.42	23.46	23.34	24.5	1.0	
40	QPSK	216	0	23.39	23.48	23.35	24.5	1.0	
40	16QAM	1	1	22.83	22.87	22.84	24.5	1.0	
40	64QAM	1	1	21.01	21.10	21.03	23.0	2.5	
40	256QAM	1	1	19.58	19.67	19.51	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	24.09	24.38	24.23	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	24.06	24.39	24.12	25.5	0.0	
Channel				343000	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	24.11	24.31	24.13	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	24.05	24.38	24.26	25.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	24.19	24.30	24.14	25.5	0.0	

n66_Ant 1									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	22.00	22.00	22.02	23.6	0.0	
40	PI2 BPSK	1	108	22.39	22.54	22.51			
40	PI2 BPSK	1	214	22.02	22.11	22.15			
40	PI2 BPSK	108	0	22.50	22.45	22.42	23.6	0.0	
40	PI2 BPSK	108	54	22.44	22.56	22.56	23.6	0.0	
40	PI2 BPSK	108	108	22.69	22.68	22.54	23.6	0.0	
40	PI2 BPSK	216	0	22.65	22.67	22.62			
40	QPSK	1	1	22.05	22.01	22.04			
40	QPSK	1	108	22.64	22.70	22.63	23.6	0.0	
40	QPSK	1	214	22.06	22.02	22.12	23.6	0.0	
40	QPSK	108	0	22.38	22.42	22.41			
40	QPSK	108	54	22.43	22.69	22.61			
40	QPSK	108	108	22.55	22.68	22.59	23.6	0.0	
40	QPSK	216	0	22.53	22.63	22.60	23.6	0.0	
40	16QAM	1	1	22.06	22.02	22.03	23.6	0.0	
40	64QAM	1	1	20.65	20.61	20.60	22.1	1.5	
40	256QAM	1	1	18.77	18.74	18.62	20.1	3.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.01	22.02	22.05	23.6	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	22.04	22.01	22.03	23.6	0.0	
Channel				343000	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	22.05	22.01	22.03	23.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.90	21.98	21.96	23.6	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.90	21.97	21.95	23.6	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				346000	349000	352000			
Frequency (MHz)				1720	1745	1770			
40	PI2 BPSK	1	1	23.05	23.15	23.05			
40	PI2 BPSK	1	108	23.77	23.82	23.68	24.6	0.0	
40	PI2 BPSK	1	214	23.37	23.38	23.40			
40	PI2 BPSK	108	0	23.85	23.81	23.85	24.6	0.0	
40	PI2 BPSK	108	54	23.70	23.82	23.80	24.6	0.0	
40	PI2 BPSK	108	108	23.80	23.85	23.78	24.6	0.0	
40	PI2 BPSK	216	0	23.83	23.88	23.81			
40	QPSK	1	1	22.99	23.01	22.86			
40	QPSK	1	108	23.82	23.88	23.84	24.6	0.0	
40	QPSK	1	214	23.23	23.15	23.21			
40	QPSK	108	0	23.05	23.16	23.08	24.1	0.5	
40	QPSK	108	54	23.65	23.66	23.65	24.6	0.0	
40	QPSK	108	108	23.28	23.40	23.28	24.1	0.5	
40	QPSK	216	0	23.31	23.34	23.25			
40	16QAM	1	1	22.11	22.24	22.16	24.1	0.5	
40	64QAM	1	1	20.74	20.81	20.72	22.8	2.0	
40	256QAM	1	1	19.30	19.32	19.36	20.6	4.0	
Channel				340000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.95	23.14	22.97	24.6	0.0	
Channel				344000	346000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	22.99	23.10	22.89	24.1	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.00	23.06	22.99	24.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.06	23.11	22.98	24.6	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.00	23.13	23.04	24.6	0.0	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1770			
40	PI2 BPSK	1	1	22.41	22.53	22.49			
40	PI2 BPSK	1	108	23.05	23.11	22.95	23.7	0.0	
40	PI2 BPSK	1	214	22.35	22.52	22.44			
40	PI2 BPSK	108	0	22.52	22.65	22.58	23.2	0.5	
40	PI2 BPSK	108	54	22.91	23.03	22.98	23.7	0.0	
40	PI2 BPSK	108	108	22.56	22.73	22.61	23.2	0.5	
40	PI2 BPSK	216	0	22.68	22.76	22.61			
40	QPSK	1	1	22.29	22.43	22.39			
40	QPSK	1	108	23.85	23.15	23.11	23.7	0.0	
40	QPSK	1	214	22.45	22.53	22.44			
40	QPSK	108	0	22.02	22.15	22.04	22.7	1.0	
40	QPSK	108	54	22.94	23.10	23.05	23.7	0.0	
40	QPSK	108	108	22.12	22.18	22.05	22.7	1.0	
40	QPSK	216	0	22.12	22.20	22.10			
40	16QAM	1	1	21.14	21.27	21.16	22.7	1.0	
40	64QAM	1	1	19.62	19.71	19.54	21.2	2.5	
40	256QAM	1	1	18.14	18.30	18.16	19.2	4.5	
Channel				340500	349500	353500	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.90	22.97	23.01	23.7	0.0	
Channel				344000	346000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	22.84	22.89	23.03	23.7	0.0	
Channel				343500	349500	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	22.87	23.09	22.98	23.7	0.0	
Channel				343000	349500	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	22.88	23.02	22.95	23.7	0.0	
Channel				342500	349500	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	22.85	23.07	22.93	23.7	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	518996			
40	Pl2 BPSK	1	1	23.03	23.12	23.03			
40	Pl2 BPSK	1	53	23.57	23.62	23.62	24.5		0.0
40	Pl2 BPSK	1	104	23.10	23.23	23.22			
40	Pl2 BPSK	50	0	23.40	23.47	23.34	24.5		0.0
40	Pl2 BPSK	50	28	23.48	23.62	23.56	24.5		0.0
40	Pl2 BPSK	50	56	23.50	23.46	23.41			
40	Pl2 BPSK	100	0	23.50	23.55	23.58	24.5		0.0
40	QPSK	1	1	22.96	23.05	22.99			
40	QPSK	1	53	23.54	23.63	23.51	24.5		0.0
40	QPSK	1	104	23.08	23.18	23.04			
40	QPSK	50	0	23.42	23.45	23.46			
40	QPSK	50	28	23.55	23.56	23.53	24.5		0.0
40	QPSK	50	56	23.35	23.47	23.51			
40	QPSK	100	0	23.38	23.45	23.33	24.5		0.0
40	16QAM	1	1	22.78	22.84	22.70	24.5		0.0
40	64QAM	1	1	21.50	21.47	21.34	23.0		1.5
40	256QAM	1	1	20.12	20.08	20.05	21.0		3.5
Channel									
Frequency (MHz)				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.97	23.02	23.04	24.5		0.0
Channel									
Frequency (MHz)				518000	518000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.00	23.13	22.92	24.5		0.0

n38_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)				2590.02	2595	2599.98			
40	Pl2 BPSK	1	1	23.21	23.26	23.23			
40	Pl2 BPSK	1	53	23.42	23.58	23.44	24.9		0.0
40	Pl2 BPSK	1	104	23.34	23.50	23.43			
40	Pl2 BPSK	50	0	22.90	22.97	22.80	24.4		0.5
40	Pl2 BPSK	50	28	23.53	23.62	23.48	24.9		0.0
40	Pl2 BPSK	50	56	23.07	23.18	23.15			
40	Pl2 BPSK	100	0	23.11	23.23	23.06	24.4		0.5
40	QPSK	1	1	23.06	23.09	23.05			
40	QPSK	1	53	23.59	23.69	23.53	24.9		0.0
40	QPSK	1	104	23.12	23.15	23.09			
40	QPSK	50	0	22.37	22.41	22.31			
40	QPSK	50	28	23.54	23.65	23.61	24.9		0.0
40	QPSK	50	56	22.39	22.42	22.37			
40	QPSK	100	0	22.42	22.50	22.46	23.9		1.0
40	16QAM	1	1	22.04	22.10	22.09	23.9		1.0
40	64QAM	1	1	20.53	20.60	20.58	22.4		2.5
40	256QAM	1	1	18.88	19.04	18.92	20.4		4.5
Channel									
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.47	23.66	23.37	24.9		0.0
Channel									
Frequency (MHz)				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.44	23.57	23.39	24.9		0.0

n38_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)				2580.02	2585	2589.98			
40	Pl2 BPSK	1	1	22.72	22.74	22.76			
40	Pl2 BPSK	1	53	23.11	23.21	23.23	24.7		0.0
40	Pl2 BPSK	1	104	22.83	22.81	22.77			
40	Pl2 BPSK	50	0	23.08	23.07	22.93	24.7		0.0
40	Pl2 BPSK	50	28	23.19	23.27	23.25	24.7		0.0
40	Pl2 BPSK	50	56	23.19	23.25	23.24			
40	Pl2 BPSK	100	0	23.22	23.18	23.21	24.7		0.0
40	QPSK	1	1	22.72	22.78	22.71			
40	QPSK	1	53	23.19	23.28	23.23	24.7		0.0
40	QPSK	1	104	22.80	22.82	22.75			
40	QPSK	50	0	22.99	23.04	22.92			
40	QPSK	50	28	23.17	23.27	23.20	24.7		0.0
40	QPSK	50	56	23.12	23.21	23.15			
40	QPSK	100	0	23.17	23.18	23.09	24.7		0.0
40	16QAM	1	1	22.84	22.86	22.84	24.7		0.0
40	84QAM	1	1	21.29	21.38	21.26	23.2		1.5
40	256QAM	1	1	19.20	19.29	19.27	21.2		3.5
Channel									
Frequency (MHz)				2585.01	2585	2589.98 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.85	22.84	22.87	24.7		0.0
Channel									
Frequency (MHz)				518000	518000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.83	22.85	22.86	24.7		0.0



n38_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				51800	51900	51998	24.1	0.0
Frequency (MHz)				2560.02	2565	2569.98		
40	PI2 BPSK	1	1	22.52	22.56	22.56	24.1	0.0
40	PI2 BPSK	1	53	23.21	23.20	23.12		
40	PI2 BPSK	1	104	22.83	22.80	22.67	24.1	0.0
40	PI2 BPSK	50	0	22.79	22.82	22.79		
40	PI2 BPSK	50	28	23.02	23.05	23.05	24.1	0.0
40	PI2 BPSK	50	56	22.91	22.88	22.88		
40	PI2 BPSK	100	0	22.83	22.89	22.94	24.1	0.0
40	QPSK	1	1	22.43	22.52	22.56		
40	QPSK	1	53	23.02	23.21	23.09	24.1	0.0
40	QPSK	1	104	22.70	22.68	22.67		
40	QPSK	50	0	22.28	22.28	22.22	24.1	0.0
40	QPSK	50	28	22.92	23.18	23.02		
40	QPSK	50	56	22.26	22.34	22.38	24.1	0.0
40	QPSK	100	0	22.43	22.57	22.24		
40	16QAM	1	1	21.65	21.70	21.73	23.6	0.5
40	64QAM	1	1	20.24	20.30	20.33		
40	256QAM	1	1	18.88	18.92	18.85	20.1	4.0
Channel				517002	519000	520998		
Frequency (MHz)				2568.01	2564	2564.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.44	22.53	22.53	24.1	0.0
Channel				516000	519000	520000		
Frequency (MHz)				2560	2565	2610	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.46	22.51	22.43	24.1	0.0

n41_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				505002	518988	526000	24.0	0.0
Frequency (MHz)				2566.01	2562.99	2560		
100	PI2 BPSK	1	1	22.17	22.19	22.22	24.0	0.0
100	PI2 BPSK	1	137	23.10	23.14	23.07		
100	PI2 BPSK	1	271	22.25	22.34	22.34	24.0	0.0
100	PI2 BPSK	135	0	22.94	22.93	22.89		
100	PI2 BPSK	135	69	23.22	23.24	23.15	24.0	0.0
100	PI2 BPSK	135	138	22.97	22.86	22.80		
100	PI2 BPSK	270	0	23.00	22.97	22.90	24.0	0.0
100	QPSK	1	1	22.25	22.28	22.11		
100	QPSK	1	137	23.02	23.25	23.24	24.0	0.0
100	QPSK	1	271	22.18	22.30	22.34		
100	QPSK	135	0	22.95	22.91	22.89	24.0	0.0
100	QPSK	135	69	23.10	23.22	23.20		
100	QPSK	135	138	22.84	22.96	22.83	24.0	0.0
100	QPSK	270	0	22.84	22.95	22.87		
100	16QAM	1	1	22.05	22.00	22.03	24.0	0.0
100	64QAM	1	1	21.01	21.03	21.08		
100	256QAM	1	1	19.44	19.59	19.50	21.0	3.0
Channel				508200	518988	526998		
Frequency (MHz)				2564	2562.99	2564.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.09	22.18	22.16	24.0	0.0
Channel				507204	518988	526998		
Frequency (MHz)				2536.02	2562.99	2549.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.11	22.15	22.12	24.0	0.0
Channel				505000	518988	531998		
Frequency (MHz)				2526	2562.99	2658.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.16	22.12	22.20	24.0	0.0
Channel				502004	518988	532000		
Frequency (MHz)				2521.02	2562.99	2654.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.15	22.08	22.20	24.0	0.0
Channel				503202	518988	534000		
Frequency (MHz)				2518.01	2562.99	2640	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.09	22.12	22.15	24.0	0.0
Channel				502200	518988	534996		
Frequency (MHz)				2511	2562.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.14	22.10	22.14	24.0	0.0
Channel				501204	518988	535000		
Frequency (MHz)				2506.02	2562.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.05	22.14	22.21	24.0	0.0

n41_FCC_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				505002	518988	526000	24.9	0.0
Frequency (MHz)				2566.01	2562.99	2560		
100	PI2 BPSK	1	1	23.05	23.10	23.08	24.9	0.0
100	PI2 BPSK	1	137	23.58	23.60	23.52		
100	PI2 BPSK	1	271	23.01	23.10	23.03	24.4	0.5
100	PI2 BPSK	135	0	22.81	22.90	22.76		
100	PI2 BPSK	135	69	23.51	23.65	23.60	24.9	0.0
100	PI2 BPSK	135	138	22.61	22.75	22.62		
100	PI2 BPSK	270	0	22.75	22.82	22.71	24.4	0.5
100	QPSK	1	1	23.10	23.23	23.17		
100	QPSK	1	137	23.57	23.70	23.60	24.9	0.0
100	QPSK	1	271	23.19	23.27	23.13		
100	QPSK	135	0	23.32	23.29	23.33	24.9	0.0
100	QPSK	135	69	23.47	23.62	23.50		
100	QPSK	135	138	22.22	22.26	22.16	23.9	1.0
100	QPSK	270	0	22.56	22.55	22.52		
100	16QAM	1	1	22.07	22.20	22.16	23.9	1.0
100	64QAM	1	1	20.59	20.74	20.64		
100	256QAM	1	1	18.60	18.70	18.66	20.4	4.5
Channel				508200	518988	526998		
Frequency (MHz)				2564	2562.99	2564.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.40	23.67	23.48	24.9	0.0
Channel				507204	518988	526998		
Frequency (MHz)				2536.02	2562.99	2549.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.47	23.44	23.52	24.9	0.0
Channel				505000	518988	531998		
Frequency (MHz)				2526	2562.99	2658.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.39	23.65	23.44	24.9	0.0
Channel				502004	518988	532000		
Frequency (MHz)				2521.02	2562.99	2654.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.51	23.59	23.45	24.9	0.0
Channel				503202	518988	534000		
Frequency (MHz)				2518.01	2562.99	2640	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.49	23.55	23.45	24.9	0.0
Channel				502200	518988	534996		
Frequency (MHz)				2511	2562.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.42	23.57	23.45	24.9	0.0
Channel				501204	518988	535000		
Frequency (MHz)				2506.02	2562.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.47	23.61	23.56	24.9	0.0

n41_FCC_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)											
100	P12 BPSK	1	1	22.25	22.25	22.26	24.2	0.0			
100	P12 BPSK	1	137	22.68	22.74	22.73					
100	P12 BPSK	1	271	22.25	22.35	22.33					
100	P12 BPSK	135	0	22.50	22.55	22.42	24.2	0.0			
100	P12 BPSK	135	69	22.73	22.80	22.81	24.2	0.0			
100	P12 BPSK	135	138	22.73	22.71	22.73	24.2	0.0			
100	P12 BPSK	270	0	22.68	22.64	22.53					
100	QPSK	1	1	22.24	22.20	22.35					
100	QPSK	1	137	22.65	22.82	22.65	24.2	0.0			
100	QPSK	1	271	22.26	22.31	22.25	24.2	0.0			
100	QPSK	135	0	22.54	22.57	22.62					
100	QPSK	135	69	22.70	22.78	22.70					
100	QPSK	135	138	22.58	22.65	22.63	24.2	0.0			
100	QPSK	270	0	22.55	22.75	22.52					
100	16QAM	1	1	22.22	22.22	22.27	24.2	0.0			
100	64QAM	1	1	21.24	21.20	21.29	23.2	1.0			
100	256QAM	1	1	19.45	19.43	19.48	21.2	3.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	22.35	22.25	22.23	24.2	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.24	22.34	22.21	24.2	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	22.31	22.23	22.21	24.2	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	22.24	22.28	22.34	24.2	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	22.34	22.25	22.29	24.2	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.23	22.34	22.25	24.2	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.25	22.31	22.26	24.2	0.0			

n41_FCC_Ant 3									
BW (MHz)	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)									
100	P12 BPSK	1	1	22.67	22.65	22.63	24.6	0.0	
100	P12 BPSK	1	137	23.42	23.45	23.42			
100	P12 BPSK	1	271	22.66	22.75	22.66			
100	P12 BPSK	135	0	22.67	22.73	22.66	24.1	0.5	
100	P12 BPSK	135	69	23.38	23.48	23.33	24.6	0.0	
100	P12 BPSK	135	138	22.59	22.71	22.68	24.1	0.5	
100	P12 BPSK	270	0	22.59	22.75	22.61			
100	QPSK	1	1	22.62	22.61	22.61			
100	QPSK	1	137	23.31	23.57	23.32	24.6	0.0	
100	QPSK	1	271	22.61	22.72	22.61	24.6	0.0	
100	QPSK	135	0	22.32	22.39	22.29			
100	QPSK	135	69	23.25	23.53	23.30			
100	QPSK	135	138	22.33	22.48	22.43	24.6	0.0	
100	QPSK	270	0	22.23	22.30	22.16			
100	16QAM	1	1	21.69	21.62	21.61	23.6	1.0	
100	64QAM	1	1	20.17	20.15	20.10	22.1	2.5	
100	256QAM	1	1	18.25	18.40	18.29	20.1	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.24	23.52	23.19	24.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.17	23.54	23.29	24.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.23	23.53	23.25	24.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.24	23.40	23.25	24.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.14	23.53	23.25	24.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.23	23.50	23.22	24.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.23	23.45	23.23	24.6	0.0	

Part27Q_n77_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)											
100	P12 BPSK	1	1		19.84		21.4	0.0			
100	P12 BPSK	1	137		20.85						
100	P12 BPSK	1	271		19.86						
100	P12 BPSK	135	0		20.73		21.4	0.0			
100	P12 BPSK	135	69		20.88		21.4	0.0			
100	P12 BPSK	135	138		20.66		21.4	0.0			
100	P12 BPSK	270	0		20.65						
100	QPSK	1	1		19.85						
100	QPSK	1	137		20.95		21.4	0.0			
100	QPSK	1	271		19.86						
100	QPSK	135	0		20.71						
100	QPSK	135	69		20.91		21.4	0.0			
100	QPSK	135	138		20.65						
100	QPSK	270	0		20.78						
100	16QAM	1	1		19.92		21.4	0.0			
100	64QAM	1	1		19.74		21.4	0.0			
100	256QAM	1	1		20.26		21.4	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
80	QPSK	1	1	630668	633332	634000	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
50	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	QPSK	1	1	630668	633332	635000	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	1	20.07	20.02	19.89	21.4	0.0			

Part27Q_n77(HPUE)_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				633332			24.4	0.0	
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1		22.43		24.4	0.0	
100	PI2 BPSK	1	137		23.25				
100	PI2 BPSK	1	271		22.42				
100	PI2 BPSK	135	0		23.20		24.4	0.0	
100	PI2 BPSK	135	69		23.34		24.4	0.0	
100	PI2 BPSK	135	138		23.14		24.4	0.0	
100	PI2 BPSK	270	0		23.15				
100	QPSK	1	1		22.54		24.4	0.0	
100	QPSK	1	137		23.37				
100	QPSK	1	271		22.45				
100	QPSK	135	0		23.14		24.4	0.0	
100	QPSK	135	69		23.33				
100	QPSK	135	138		23.10				
100	QPSK	270	0		23.12		24.4	0.0	
100	16QAM	1	1		22.98		24.4	0.0	
100	64QAM	1	1		22.01		23.4	1.0	
100	256QAM	1	1		19.92		21.4	3.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3464	3469.98	3474.99			
90	QPSK	1	1		22.78	22.85	22.65	24.4	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3470			
80	QPSK	1	1		22.77	22.91	22.54	24.4	0.0
Channel				630000	633332	636666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460	3469.98	3470.99			
60	QPSK	1	1		22.80	22.69	22.50	24.4	0.0
Channel				631068	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3469.98			
50	QPSK	1	1		22.84	22.71	22.50	24.4	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3469.98			
40	QPSK	1	1		22.73	22.61	22.55	24.4	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1		22.97	22.74	22.65	24.4	0.0

Part27O_n77_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				650000			21.4	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1		19.69	19.71	19.66	21.4	0.0
100	PI2 BPSK	1	137		20.73	20.68	20.62		
100	PI2 BPSK	1	271		19.76	19.75	19.75		
100	PI2 BPSK	135	0		20.46	20.53	20.50	21.4	0.0
100	PI2 BPSK	135	69		20.69	20.73	20.64	21.4	0.0
100	PI2 BPSK	135	138		20.56	20.59	20.59	21.4	0.0
100	PI2 BPSK	270	0		20.48	20.49	20.47		
100	QPSK	1	1		19.74	19.70	19.55	21.4	0.0
100	QPSK	1	137		20.61	20.77	20.62		
100	QPSK	1	271		19.61	19.76	19.73		
100	QPSK	135	0		20.42	20.47	20.51	21.4	0.0
100	QPSK	135	69		20.60	20.74	20.60		
100	QPSK	135	138		20.41	20.56	20.54		
100	QPSK	270	0		20.50	20.60	20.47	21.4	0.0
100	16QAM	1	1		19.55	19.59	19.57	21.4	0.0
100	64QAM	1	1		19.56	19.51	19.53	21.4	0.0
100	256QAM	1	1		19.95	20.04	19.90	21.4	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.01	3840	3934.98			
90	QPSK	1	1		19.70	19.50	19.51	21.4	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		19.59	19.77	19.58	21.4	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		19.82	19.88	19.91	21.4	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		19.96	19.96	19.90	21.4	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1		19.70	19.75	19.60	21.4	0.0
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		19.76	20.20	20.02	21.4	0.0

Part27O_n77(HPUE)_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				3750	3840	3930	24.4	0.0	
Frequency (MHz)				22.69	22.72	22.69			
100	PI2 BPSK	1	1		23.56	23.63	23.71	24.4	0.0
100	PI2 BPSK	1	137		22.64	22.73	22.74		
100	PI2 BPSK	1	271		23.57	23.61	23.47		
100	PI2 BPSK	135	0		23.65	23.61	23.71	24.4	0.0
100	PI2 BPSK	135	69		23.64	23.63	23.50	24.4	0.0
100	PI2 BPSK	270	0		23.59	23.58	23.53		
100	QPSK	1	1		22.49	22.59	22.49	24.4	0.0
100	QPSK	1	137		23.53	23.75	23.57		
100	QPSK	1	271		22.54	22.65	22.50		
100	QPSK	135	0		23.35	23.47	23.46	24.4	0.0
100	QPSK	135	69		23.50	23.72	23.55		
100	QPSK	135	138		23.49	23.60	23.52		
100	QPSK	270	0		23.51	23.64	23.37	24.4	0.0
100	16QAM	1	1		22.59	22.59	22.45	24.4	0.0
100	64QAM	1	1		21.74	21.75	21.77	23.4	1.0
100	256QAM	1	1		19.53	19.67	19.96	21.4	3.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.01	3840	3934.98			
90	QPSK	1	1		22.60	22.62	22.50	24.4	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		22.72	22.75	22.59	24.4	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		22.74	22.94	22.82	24.4	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		23.03	23.12	23.03	24.4	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1		22.91	22.90	22.74	24.4	0.0
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		23.09	23.18	23.10	24.4	0.0

Part27Q_n78_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)									
100	PI2 BPSK	1	1		3460.98				
100	PI2 BPSK	1	137		20.76		21.4	0.0	
100	PI2 BPSK	1	271		19.84				
100	PI2 BPSK	135	0		20.75		21.4	0.0	
100	PI2 BPSK	135	69		20.73		21.4	0.0	
100	PI2 BPSK	135	138		20.65				
100	PI2 BPSK	270	0		20.72		21.4	0.0	
100	QPSK	1	1		20.10				
100	QPSK	1	137		20.85		21.4	0.0	
100	QPSK	1	271		19.88				
100	QPSK	135	0		20.69				
100	QPSK	135	69		20.81		21.4	0.0	
100	QPSK	135	138		20.64				
100	QPSK	270	0		20.66		21.4	0.0	
100	16QAM	1	1		19.88		21.4	0.0	
100	64QAM	1	1		19.92		21.4	0.0	
100	256QAM	1	1		20.53		20.9	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3465	3469.98	3504.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.91	20.08	19.86	21.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.16	20.26	19.89	21.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.11	20.08	19.84	21.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.25	20.32	20.10	21.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.28	20.39	20.36	21.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.65	20.60	20.37	21.4	0.0	

Part27Q_n78(HPUe)_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)				3469.58					
100	PI2 BPSK	1	1		22.45				
100	PI2 BPSK	1	137		23.30		24.4	0.0	
100	PI2 BPSK	1	271		22.41				
100	PI2 BPSK	135	0		23.20		24.4	0.0	
100	PI2 BPSK	135	69		23.22		24.4	0.0	
100	PI2 BPSK	135	138		23.05				
100	PI2 BPSK	270	0		23.09		24.4	0.0	
100	QPSK	1	1		22.40				
100	QPSK	1	137		23.36		24.4	0.0	
100	QPSK	1	271		22.48				
100	QPSK	135	0		23.19				
100	QPSK	135	69		23.31		24.4	0.0	
100	QPSK	135	138		23.10				
100	QPSK	270	0		23.14		24.4	0.0	
100	16QAM	1	1		22.55		24.4	0.0	
100	64QAM	1	1		22.49		24.4	0.0	
100	256QAM	1	1		21.86		23.9	0.5	
Channel				633000	633332	633666	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3495	3469.98	3504.99			
90	QPSK	1	1	22.60	22.64	22.60	24.4	0.0	
Channel				633332	633332	633332	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3469.02	3469.98	3519			
80	QPSK	1	1	22.81	22.77	22.71	24.4	0.0	
Channel				633000	633332	634666	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3440	3469.98	3519.99			
60	QPSK	1	1	22.59	22.67	22.58	24.4	0.0	
Channel				631668	633332	635000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.98	3525			
50	QPSK	1	1	22.64	22.58	22.52	24.4	0.0	
Channel				631334	633332	636332	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3402.81	3469.98	3524.86			
40	QPSK	1	1	22.71	22.75	22.70	24.4	0.0	
Channel				631000	633332	636666	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3495	3469.98	3534.99			
30	QPSK	1	1	22.85	22.74	22.76	24.4	0.0	
Channel				630768	633332	637000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3545			
20	QPSK	1	1	22.86	22.74	22.77	24.4	0.0	

Part27O_n78_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)									
100	PI2 BPSK	1	1		19.69				
100	PI2 BPSK	1	137		20.53		21.4	0.0	
100	PI2 BPSK	1	271		19.89				
100	PI2 BPSK	135	0		20.27		21.4	0.0	
100	PI2 BPSK	135	69		20.51		21.4	0.0	
100	PI2 BPSK	135	138		20.58				
100	PI2 BPSK	270	0		20.41		21.4	0.0	
100	QPSK	1	1		19.50				
100	QPSK	1	137		20.62		21.4	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		20.22				
100	QPSK	135	69		20.58		21.4	0.0	
100	QPSK	135	138		20.46				
100	QPSK	270	0		20.51		21.4	0.0	
100	16QAM	1	1		19.58		21.4	0.0	
100	64QAM	1	1		19.51		21.4	0.0	
100	256QAM	1	1		20.03		21.4	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.53	19.60	19.78	21.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.59	19.70	19.62	21.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.58	19.84	19.68	21.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.74	19.88	19.93	21.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.65	19.80	19.91	21.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.09	20.03	19.60	21.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.95	20.11	20.06	21.4	0.0	

Part27O_n78(HPUE)_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)									
100	PI2 BPSK	1	1		22.59		24.4	0.0	
100	PI2 BPSK	1	137		23.42				
100	PI2 BPSK	1	271		22.58				
100	PI2 BPSK	135	0		23.17		24.4	0.0	
100	PI2 BPSK	135	69		23.38		24.4	0.0	
100	PI2 BPSK	135	138		23.38		24.4	0.0	
100	PI2 BPSK	270	0		23.28				
100	QPSK	1	1		22.53				
100	QPSK	1	137		23.51		24.4	0.0	
100	QPSK	1	271		22.56				
100	QPSK	135	0		23.13				
100	QPSK	135	69		23.43		24.4	0.0	
100	QPSK	135	138		23.35				
100	QPSK	270	0		23.38				
100	16QAM	1	1		22.65		24.4	0.0	
100	64QAM	1	1		22.69		24.4	0.0	
100	256QAM	1	1		22.09		23.9	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3754.98			
80	QPSK	1	1	22.50	22.56	22.58	24.4	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit (dBm)	MPR (dB)	
				22.54	22.63	22.64	24.4	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64968	65000	65136	Tune-up limit (dBm)	MPR (dB)	
				3750.02	3750	3769.98			
50	QPSK	1	1	22.67	22.75	22.69	24.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64934	65000	65166	Tune-up limit (dBm)	MPR (dB)	
				3755.01	3750	3774.99			
40	QPSK	1	1	22.83	22.86	22.92	24.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
				3750	3750	3764			
30	QPSK	1	1	22.74	22.79	22.93	24.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98			
20	QPSK	1	1	23.05	22.98	22.81	24.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	65224	65000	65200	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3769.99			
10	QPSK	1	1	23.06	23.17	22.99	24.4	0.0	

Part27Q_n77_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)									
100	PI2 BPSK	1	1		21.66		23.3	0.0	
100	PI2 BPSK	1	137		22.35				
100	PI2 BPSK	1	271		21.45				
100	PI2 BPSK	135	0		22.28		23.3	0.0	
100	PI2 BPSK	135	69		22.32		23.3	0.0	
100	PI2 BPSK	135	138		22.22		23.3	0.0	
100	PI2 BPSK	270	0		22.24				
100	QPSK	1	1		21.59				
100	QPSK	1	137		23.37		23.3	0.0	
100	QPSK	1	271		21.45				
100	QPSK	135	0		22.32				
100	QPSK	135	69		22.35		23.3	0.0	
100	QPSK	135	138		22.27				
100	QPSK	270	0		22.50				
100	16QAM	1	1		21.41		22.3	1.0	
100	64QAM	1	1		21.39		22.3	1.0	
100	256QAM	1	1		20.34		21.8	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				5495	3469 58	3504 99			
90	QPSK	1	1	21.35	21.47	21.50	23.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3890.02	3899.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.57	21.72	21.68	23.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	635000	635332	635666	Tune-up limit (dBm)	MPR (dB)	
				3480	3469 58	3519 89			
60	QPSK	1	1	21.99	21.93	21.81	23.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3473.02	3469 58	3525			
50	QPSK	1	1	21.72	21.91	21.80	23.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
				3481.01	3469 58	3526 98			
40	QPSK	1	1	21.82	21.76	21.71	23.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3460.02	3469.98	3548	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.02	22.13	21.97	23.3	0.0	

Part27Q_n77(HPUE)_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		24.32		26.3	0.0	
100	PI2 BPSK	1	137		25.29				
100	PI2 BPSK	1	271		24.30				
100	PI2 BPSK	135	0		24.84		25.8	0.5	
100	PI2 BPSK	135	69		24.99		26.3	0.0	
100	PI2 BPSK	135	138		24.77		25.8	0.5	
100	PI2 BPSK	270	0		24.78				
100	QPSK	1	1		24.57				
100	QPSK	1	137		25.33		26.3	0.0	
100	QPSK	1	271		24.38				
100	QPSK	135	0		24.32				
100	QPSK	135	69		25.30		26.3	0.0	
100	QPSK	135	138		24.30				
100	QPSK	270	0		24.21				
100	16QAM	1	1		24.17		25.3	1.0	
100	64QAM	1	1		23.32		23.8	2.5	
100	256QAM	1	1		20.30		21.8	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1		24.52	24.47	24.33	26.3	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		24.72	24.65	24.62	26.3	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		24.68	24.74	24.60	26.3	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		24.65	24.81	24.90	26.3	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		24.67	24.62	24.73	26.3	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		25.00	25.06	24.98	26.3	0.0

Part27O_n77_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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.00	21.06	21.04			
100	PI2 BPSK	1	137	22.01	22.12	22.05	23.3	0.0	
100	PI2 BPSK	1	271	21.01	21.16	21.08			
100	PI2 BPSK	135	0	21.73	21.78	21.75	23.3	0.0	
100	PI2 BPSK	135	69	22.04	22.06	22.03	23.3	0.0	
100	PI2 BPSK	135	138	21.89	21.89	21.84			
100	PI2 BPSK	270	0	21.85	21.85	21.85	23.3	0.0	
100	QPSK	1	1	21.02	21.08	21.06			
100	QPSK	1	137	22.00	22.17	22.11	23.3	0.0	
100	QPSK	1	271	21.04	21.27	21.16			
100	QPSK	135	0	21.68	21.89	21.72			
100	QPSK	135	69	21.95	22.15	22.07	23.3	0.0	
100	QPSK	135	138	21.91	21.91	21.99			
100	QPSK	270	0	21.83	21.99	21.87	22.8	0.5	
100	16QAM	1	1	20.67	20.83	20.69	22.3	1.0	
100	64QAM	1	1	20.85	20.89	20.72	22.3	1.0	
100	256QAM	1	1	19.67	19.87	19.84	21.8	1.5	
Channel				649968	650000	650232	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3145.02	3840	3934.98			
90	QPSK	1	1	21.01	21.05	21.07	23.3	0.0	
Channel				649334	650000	650966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	21.87	21.29	21.31	23.3	0.0	
Channel				649696	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	21.24	21.25	21.27	23.3	0.0	
Channel				647334	650000	653966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	21.58	21.61	21.62	23.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3722	3840	3960			
40	QPSK	1	1	21.35	21.40	21.43	23.3	0.0	
Channel				647334	650000	654966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	21.31	21.35	21.37	23.3	0.0	

Part27O_n77(HPUe)_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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.09	24.08	24.18			
100	PI2 BPSK	1	137	25.02	25.08	25.02	26.3	0.0	
100	PI2 BPSK	1	271	24.02	24.19	24.02			
100	PI2 BPSK	135	0	24.31	24.32	24.61	25.8	0.5	
100	PI2 BPSK	135	69	25.08	25.07	25.07	26.3	0.0	
100	PI2 BPSK	135	138	24.41	24.56	24.70			
100	PI2 BPSK	270	0	24.31	24.39	24.68	25.8	0.5	
100	QPSK	1	1	24.08	24.12	24.03			
100	QPSK	1	137	25.04	25.13	25.10	26.3	0.0	
100	QPSK	1	271	24.05	24.21	24.29			
100	QPSK	135	0	24.00	24.06	24.04			
100	QPSK	135	69	25.02	25.11	25.05	26.3	0.0	
100	QPSK	135	138	24.05	24.04	24.12			
100	QPSK	270	0	23.82	23.97	23.95	25.3	1.0	
100	16QAM	1	1	23.24	23.26	23.27	25.3	1.0	
100	64QAM	1	1	21.64	21.70	21.79	23.8	2.5	
100	256QAM	1	1	19.62	19.81	19.81	21.8	4.5	
Channel				649668	650000	650232	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3145.02	3840	3934.98			
90	QPSK	1	1	24.04	24.03	24.21	26.3	0.0	
Channel				649334	650000	650966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	24.10	24.21	24.29	26.3	0.0	
Channel				649668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	24.37	24.41	24.48	26.3	0.0	
Channel				647334	650000	653966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	24.51	24.52	24.56	26.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3722	3840	3960			
40	QPSK	1	1	24.23	24.26	24.29	26.3	0.0	
Channel				647334	650000	654966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	24.72	24.73	24.81	26.3	0.0	

Part27Q_n78_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				633000	633332	633332			
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	21.55					
100	PI2 BPSK	1	137	22.33			23.3	0.0	
100	PI2 BPSK	1	271	21.31					
100	PI2 BPSK	135	0	22.31			23.3	0.0	
100	PI2 BPSK	135	69	22.30			23.3	0.0	
100	PI2 BPSK	135	138	22.15					
100	PI2 BPSK	270	0	22.17			23.3	0.0	
100	QPSK	1	1	21.65					
100	QPSK	1	137	22.35			23.3	0.0	
100	QPSK	1	271	21.34					
100	QPSK	135	0	22.28					
100	QPSK	135	69	22.32			23.3	0.0	
100	QPSK	135	138	22.09					
100	QPSK	270	0	22.25			22.8	0.5	
100	16QAM	1	1	21.44			22.3	1.0	
100	64QAM	1	1	21.40			22.3	1.0	
100	256QAM	1	1	20.42			21.8	1.5	
Channel				633000	633332	633966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	21.54	21.55	21.57	23.3	0.0	
Channel				632968	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.05	3499.98	3510			
80	QPSK	1	1	21.68	21.70	21.76	23.3	0.0	
Channel				632000	633332	634966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	21.84	21.88	21.89	23.3	0.0	
Channel				631968	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505			
50	QPSK	1	1	21.99	21.96	21.92	23.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3504.98			
40	QPSK	1	1	21.77	21.72	21.71	23.3	0.0	
Channel				631000	633332	635966	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	21.95	21.91	21.88	23.3	0.0	
Channel				630000	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	22.09	22.06	21.97	23.3	0.0	

Part27Q_n78(HPUE)_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				633332	3499.98				
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	24.32					
100	PI2 BPSK	1	137	25.28			26.3	0.0	
100	PI2 BPSK	1	271	24.34					
100	PI2 BPSK	135	0	24.79			25.8	0.5	
100	PI2 BPSK	135	69	25.12			26.3	0.0	
100	PI2 BPSK	135	138	24.64			25.8	0.5	
100	PI2 BPSK	270	0	24.74					
100	QPSK	1	1	24.63					
100	QPSK	1	137	25.32			26.3	0.0	
100	QPSK	1	271	24.30					
100	QPSK	135	0	24.31					
100	QPSK	135	69	25.30			26.3	0.0	
100	QPSK	135	138	24.32					
100	QPSK	270	0	24.21			25.3	1.0	
100	16QAM	1	1	23.74			25.3	1.0	
100	64QAM	1	1	22.35			23.8	2.5	
100	256QAM	1	1	20.24			21.8	4.5	
Channel				633300	633332	633866	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3498	3499.98	3504.99			
90	QPSK	1	1	24.53	24.45	24.44	26.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	24.65	24.63	24.62	26.3	0.0	
Channel				632020	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	24.79	24.72	24.70	26.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.06			
50	QPSK	1	1	24.87	24.84	24.81	26.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3523.06			
40	QPSK	1	1	24.64	24.62	24.61	26.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.86	24.81	24.79	26.3	0.0	
Channel				630666	633332	637000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	24.97	24.94	24.92	26.3	0.0	

Part27O_n78_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				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	21.02					
100	PI2 BPSK	1	137	21.84			23.3	0.0	
100	PI2 BPSK	1	271	21.00					
100	PI2 BPSK	135	0	21.66			23.3	0.0	
100	PI2 BPSK	135	69	21.90			23.3	0.0	
100	PI2 BPSK	135	138	21.62			23.3	0.0	
100	PI2 BPSK	270	0	21.71					
100	QPSK	1	1	21.01					
100	QPSK	1	137	21.67			23.3	0.0	
100	QPSK	1	271	21.03					
100	QPSK	135	0	21.67					
100	QPSK	135	69	21.94			23.3	0.0	
100	QPSK	135	138	21.75					
100	QPSK	270	0	21.78			22.8	0.5	
100	16QAM	1	1	20.42			22.3	1.0	
100	64QAM	1	1	20.64			22.3	1.0	
100	256QAM	1	1	18.73			21.8	1.5	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.04	21.00	21.02	23.3	0.0	
Channel				648934	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.01	21.00	21.04	23.3	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	21.39	21.41	21.44	23.3	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.44	21.41	21.46	23.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.31	21.32	21.34	23.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	21.47	21.45	21.46	23.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	21.68	21.62	21.67	23.3	0.0	

Part27O_n78(HPUE)_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				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	24.01					
100	PI2 BPSK	1	137	24.97			26.3	0.0	
100	PI2 BPSK	1	271	24.03					
100	PI2 BPSK	135	0	24.19			25.8	0.5	
100	PI2 BPSK	135	69	24.95			26.3	0.0	
100	PI2 BPSK	135	138	24.22			25.8	0.5	
100	PI2 BPSK	270	0	24.24					
100	QPSK	1	1	24.03					
100	QPSK	1	137	25.00			26.3	0.0	
100	QPSK	1	271	24.05					
100	QPSK	135	0	24.01					
100	QPSK	135	69	24.97			26.3	0.0	
100	QPSK	135	138	24.03					
100	QPSK	270	0	23.78			25.3	1.0	
100	16QAM	1	1	23.15			25.3	1.0	
100	64QAM	1	1	21.80			23.8	2.5	
100	256QAM	1	1	19.51			21.8	4.5	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.12	24.15	24.05	26.3	0.0	
Channel				648934	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.21	24.31	24.32	26.3	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	24.51	24.54	24.56	26.3	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.61	24.62	24.60	26.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.29	24.32	24.28	26.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.55	24.57	24.56	26.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.74	24.79	24.72	26.3	0.0	

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1		20.37				
100	PI2 BPSK	1	137		21.27		22.0	0.0	
100	PI2 BPSK	1	271		20.42				
100	PI2 BPSK	135	0		21.10		22.0	0.0	
100	PI2 BPSK	135	69		21.25		22.0	0.0	
100	PI2 BPSK	135	138		21.24		22.0	0.0	
100	PI2 BPSK	270	0		21.08		22.0	0.0	
100	QPSK	1	1		20.40				
100	QPSK	1	137		21.53		22.0	0.0	
100	QPSK	1	271		20.46				
100	QPSK	135	0		21.18				
100	QPSK	135	69		21.31		22.0	0.0	
100	QPSK	135	138		21.22				
100	QPSK	270	0		21.17		22.0	0.0	
100	16QAM	1	1		20.17		22.0	0.0	
100	64QAM	1	1		20.24		22.0	0.0	
100	256QAM	1	1		20.78		22.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3499.98	3504.99			
90	QPSK	1	1		20.45	20.47	20.46	22.0	0.0
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		20.53	20.51	20.56	22.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		20.57	20.65	20.73	22.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		20.72	20.77	20.86	22.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		20.50	20.62	20.54	22.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		20.96	21.03	20.94	22.0	0.0

Part27Q_n77(HPUE)_Ant 5									
BW [MHz]	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)									
100	PI2 BPSK	1	1		23.44		25.0	0.0	
100	PI2 BPSK	1	137		24.26				
100	PI2 BPSK	1	271		23.52				
100	PI2 BPSK	135	0		24.12				
100	PI2 BPSK	135	69		24.21		25.0	0.0	
100	PI2 BPSK	135	138		24.23				
100	PI2 BPSK	270	0		23.90		25.0	0.0	
100	QPSK	1	1		23.35		25.0	0.0	
100	QPSK	1	137		24.38				
100	QPSK	1	271		23.52				
100	QPSK	135	0		24.15				
100	QPSK	135	69		24.36		25.0	0.0	
100	QPSK	135	138		24.27				
100	QPSK	270	0		24.21		25.0	0.0	
100	16QAM	1	1		23.60		25.0	0.0	
100	64QAM	1	1		23.55		25.0	0.0	
100	256QAM	1	1		21.46		23.0	2.0	
Channel									
				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3486	3499.98	3504.99			
90	QPSK	1	1	23.43	23.44	23.32	25.0	0.0	
Channel									
				3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.59	23.48	23.48	25.0	0.0	
Channel									
				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3499.98	3519.99			
60	QPSK	1	1	23.50	23.58	23.67	25.0	0.0	
Channel									
				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3499.98	3525			
50	QPSK	1	1	23.66	23.69	23.77	25.0	0.0	
Channel									
				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3499.98	3529.98			
40	QPSK	1	1	23.51	23.59	23.62	25.0	0.0	
Channel									
				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3540			
20	QPSK	1	1	23.72	23.77	23.77	25.0	0.0	

Part27O_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	20.33	20.43	20.39			
100	PI2 BPSK	1	137	21.48	21.51	21.49	22.0	0.0	
100	PI2 BPSK	1	271	20.65	20.62	20.48			
100	PI2 BPSK	135	0	21.17	21.20	21.09	22.0	0.0	
100	PI2 BPSK	135	69	21.46	21.49	21.47	22.0	0.0	
100	PI2 BPSK	135	138	21.31	21.34	21.24	22.0	0.0	
100	PI2 BPSK	270	0	21.22	21.28	21.30			
100	QPSK	1	1	20.57	20.57	20.58			
100	QPSK	1	137	21.51	21.53	21.43	22.0	0.0	
100	QPSK	1	271	20.63	20.70	20.72			
100	QPSK	135	0	21.30	21.23	21.19			
100	QPSK	135	69	21.49	21.50	21.35	22.0	0.0	
100	QPSK	135	138	21.41	21.46	21.31			
100	QPSK	270	0	21.25	21.36	21.34	22.0	0.0	
100	16QAM	1	1	20.13	20.28	20.14	22.0	0.0	
100	64QAM	1	1	20.26	20.35	20.28	22.0	0.0	
100	256QAM	1	1	20.82	20.84	20.86	22.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	20.56	20.43	20.43	22.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	20.63	20.61	20.66	22.0	0.0	
Channel				649000	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	20.83	20.91	20.82	22.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	20.90	20.92	20.99	22.0	0.0	
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.67	20.78	20.75	22.0	0.0	
Channel				647334	650000	649666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	20.88	20.97	21.06	22.0	0.0	

Part270_n77(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (650000)	Power Middle Ch. / Freq. (650000)	Power High Ch. / Freq. (662000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.42	23.54	23.58	25.0	0.0	
100	PI2 BPSK	1	137	24.45	24.45	24.45			
100	PI2 BPSK	1	271	23.89	23.90	23.78			
100	PI2 BPSK	135	0	24.14	24.22	24.21	25.0	0.0	
100	PI2 BPSK	135	69	24.47	24.50	24.42			
100	PI2 BPSK	135	138	24.34	24.34	24.19			
100	PI2 BPSK	270	0	24.26	24.36	24.37	25.0	0.0	
100	QPSK	1	1	24.31	24.42	24.38			
100	QPSK	1	137	24.35	24.52	24.45			
100	QPSK	1	271	23.59	23.68	23.62	25.0	0.0	
100	QPSK	135	0	24.14	24.25	24.28			
100	QPSK	135	69	24.40	24.45	24.40			
100	QPSK	135	138	24.26	24.38	24.23	25.0	0.0	
100	QPSK	270	0	24.38	24.39	24.31			
100	16QAM	1	1	23.86	23.70	23.66			
100	64QAM	1	1	23.73	23.71	23.69	25.0	0.0	
100	256QAM	1	1	21.73	21.71	21.73	23.0	2.0	
Channel									
				649968	650000	662332	Tune-up limit (dBm)	MPR (dB)	
				3145.09	3840	3034.08	(dBm)	(dB)	
90	QPSK	1	1	23.45	23.50	23.59	25.0	0.0	
Channel									
				640334	650000	662066	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3840	3030.99	(dBm)	(dB)	
80	QPSK	1	1	23.43	23.50	23.58	25.0	0.0	
Channel									
				648968	650000	663332	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3840	3049.98	(dBm)	(dB)	
60	QPSK	1	1	23.64	23.60	23.66	25.0	0.0	
Channel									
				643334	650000	663066	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3840	3054.99	(dBm)	(dB)	
50	QPSK	1	1	23.75	23.73	23.74	25.0	0.0	
Channel									
				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
				3722	3840	3060	(dBm)	(dB)	
40	QPSK	1	1	23.51	23.57	23.56	25.0	0.0	
Channel									
				647334	650000	664066	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3840	3069.99	(dBm)	(dB)	
20	QPSK	1	1	23.80	23.85	23.76	25.0	0.0	

Part27Q_n78_Ant 5									
BW (MHz)	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)				3469.98					
100	PI2 BPSK	1	1		21.32		23.0	0.0	
100	PI2 BPSK	1	137		22.34				
100	PI2 BPSK	1	271		21.44				
100	PI2 BPSK	135	0		22.20		23.0	0.0	
100	PI2 BPSK	135	69		22.28		23.0	0.0	
100	PI2 BPSK	135	138		22.21		23.0	0.0	
100	PI2 BPSK	270	0		22.18				
100	QPSK	1	1		21.36				
100	QPSK	1	137		22.39		23.0	0.0	
100	QPSK	1	271		21.40				
100	QPSK	135	0		22.15				
100	QPSK	135	69		22.25		23.0	0.0	
100	QPSK	135	138		22.20				
100	QPSK	270	0		22.25				
100	16QAM	1	1		21.15		23.0	0.0	
100	64QAM	1	1		21.19		23.0	0.0	
100	256QAM	1	1		21.80		23.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3499.98	3504.99	(dbm)		
90	QPSK	1	1	21.25	21.22	21.21	23.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dbm)		
Frequency (MHz)				3490.02	3499.98	3510	(dbm)		
80	QPSK	1	1	21.33	21.22	21.33	23.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dbm)		
Frequency (MHz)				3480	3499.98	3519.99	(dbm)		
60	QPSK	1	1	21.39	21.43	21.45	23.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dbm)		
Frequency (MHz)				3475.02	3499.98	3525	(dbm)		
50	QPSK	1	1	21.63	21.69	21.70	23.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dbm)		
Frequency (MHz)				3470.01	3499.98	3524.98	(dbm)		
40	QPSK	1	1	21.50	21.59	21.56	23.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dbm)		
Frequency (MHz)				3465	3499.98	3534.99	(dbm)		
30	QPSK	1	1	21.56	21.71	21.65	23.0	0.0	
Channel				630668	633332	637000	Tune-up limit (dbm)		
Frequency (MHz)				3460.02	3499.98	3540	(dbm)		
20	QPSK	1	1	22.03	22.16	22.22	23.0	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW [MHz]	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)									
100	PI2 BPSK	1	1		24.40		26.0	0.0	
100	PI2 BPSK	1	137		25.28				
100	PI2 BPSK	1	271		24.44				
100	PI2 BPSK	135	0		25.16		26.0	0.0	
100	PI2 BPSK	135	69		25.17		26.0	0.0	
100	PI2 BPSK	135	138		25.28		26.0	0.0	
100	PI2 BPSK	270	0		25.17				
100	QPSK	1	1		24.36				
100	QPSK	1	137		25.39		26.0	0.0	
100	QPSK	1	271		24.42				
100	QPSK	135	0		25.16				
100	QPSK	135	69		25.36		26.0	0.0	
100	QPSK	135	138		25.23				
100	QPSK	270	0		25.28				
100	16QAM	1	1		24.27		26.0	0.0	
100	64QAM	1	1		23.50		25.0	1.0	
100	256QAM	1	1		21.46		23.0	3.0	
Channel									
				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3464	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	24.38	24.47	24.53	26.0	0.0	
Channel									
				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	24.19	24.21	24.20	26.0	0.0	
Channel									
				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	24.42	24.46	24.46	26.0	0.0	
Channel									
				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3499.98	3526	(dBm)	(dB)	
50	QPSK	1	1	24.55	24.57	24.51	26.0	0.0	
Channel									
				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
				3470.12	3499.98	3529.88	(dBm)	(dB)	
40	QPSK	1	1	24.23	24.39	24.43	26.0	0.0	
Channel									
				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	24.80	24.85	24.92	26.0	0.0	
Channel									
				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	25.05	24.99	25.11	26.0	0.0	

Part27O_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	21.21					
100	PI2 BPSK	1	137	22.14			23.0	0.0	
100	PI2 BPSK	1	271	21.35					
100	PI2 BPSK	135	0	22.05			23.0	0.0	
100	PI2 BPSK	135	69	22.13			23.0	0.0	
100	PI2 BPSK	135	138	22.10			23.0	0.0	
100	PI2 BPSK	270	0	21.58					
100	QPSK	1	1	21.17					
100	QPSK	1	137	22.26			23.0	0.0	
100	QPSK	1	271	21.34					
100	QPSK	135	0	21.97					
100	QPSK	135	69	22.23			23.0	0.0	
100	QPSK	135	138	22.09					
100	QPSK	270	0	22.04			23.0	0.0	
100	16QAM	1	1	21.09			23.0	0.0	
100	64QAM	1	1	21.16			23.0	0.0	
100	256QAM	1	1	21.53			23.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	21.14	21.25	21.00	23.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	21.34	21.24	21.33	21.0	0.0	
Channel				648968	650000	651032	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	21.45	21.59	21.59	23.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	21.60	21.73	21.82	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
40	QPSK	1	1	21.43	21.55	21.56	23.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
30	QPSK	1	1	21.65	21.73	21.81	23.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	21.93	21.97	21.90	23.0	0.0	

Part27O_n78(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	24.26					
100	PI2 BPSK	1	137	25.35			26.0	0.0	
100	PI2 BPSK	1	271	24.35					
100	PI2 BPSK	135	0	25.08			26.0	0.0	
100	PI2 BPSK	135	69	25.32			26.0	0.0	
100	PI2 BPSK	135	138	25.15			26.0	0.0	
100	PI2 BPSK	270	0	25.18					
100	QPSK	1	1	24.21					
100	QPSK	1	137	25.38			26.0	0.0	
100	QPSK	1	271	24.38					
100	QPSK	135	0	25.12					
100	QPSK	135	69	25.35			26.0	0.0	
100	QPSK	135	138	25.16					
100	QPSK	270	0	25.27			26.0	0.0	
100	16QAM	1	1	24.47			26.0	0.0	
100	64QAM	1	1	24.33			25.0	1.0	
100	256QAM	1	1	24.21			23.0	3.0	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.25	24.23	24.23	26.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.23	24.27	24.22	26.0	0.0	
Channel				648968	650000	651032	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	24.47	24.47	24.40	26.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.60	24.69	24.69	26.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
40	QPSK	1	1	24.32	24.43	24.43	26.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
30	QPSK	1	1	24.65	24.70	24.73	26.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.82	24.77	24.81	26.0	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000		633332			
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	19.62					
100	PI2 BPSK	1	137	20.44			21.3	0.0	
100	PI2 BPSK	1	271	19.61					
100	PI2 BPSK	135	0	20.38			21.3	0.0	
100	PI2 BPSK	135	69	20.46			21.3	0.0	
100	PI2 BPSK	135	138	20.31			21.3	0.0	
100	PI2 BPSK	270	0	20.35					
100	QPSK	1	1	19.64					
100	QPSK	1	137	20.53			21.3	0.0	
100	QPSK	1	271	19.61					
100	QPSK	135	0	20.33					
100	QPSK	135	69	20.49			21.3	0.0	
100	QPSK	135	138	20.24					
100	QPSK	270	0	20.21			21.3	0.0	
100	16QAM	1	1	19.43			20.8	0.5	
100	64QAM	1	1	19.42			20.8	0.5	
100	256QAM	1	1	19.01			20.3	1.0	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3494	3499.98	3504.99			
90	QPSK	1	1	19.85	19.83	19.76	21.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	19.83	19.82	19.84	21.3	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	19.98	19.97	19.93	21.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525.02			
50	QPSK	1	1	20.13	20.12	20.08	21.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.97	19.94	19.92	21.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	20.28	20.29	20.33	21.3	0.0	



Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	22.64			24.3	0.0	
100	PI2 BPSK	1	137	23.49					
100	PI2 BPSK	1	271	22.60					
100	PI2 BPSK	135	0	23.38			24.3	0.0	
100	PI2 BPSK	135	69	23.39			24.3	0.0	
100	PI2 BPSK	135	138	23.28			24.3	0.0	
100	PI2 BPSK	270	0	23.30					
100	QPSK	1	1	22.57					
100	QPSK	1	137	23.54			24.3	0.0	
100	QPSK	1	271	22.48					
100	QPSK	135	0	23.88					
100	QPSK	135	69	23.46			24.3	0.0	
100	QPSK	135	138	22.76					
100	QPSK	270	0	22.66					
100	16QAM	1	1	22.26			23.8	0.5	
100	64QAM	1	1	20.77			22.3	2.0	
100	256QAM	1	1	18.85			20.3	4.0	
Channel				633000	633332	633868	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3494	3499.98	3504.99			
90	QPSK	1	1	22.75	22.84	22.74	24.3	0.0	
Channel				630688	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	22.84	22.87	22.87	24.3	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	22.84	23.00	23.03	24.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.32	3499.98	3525			
50	QPSK	1	1	23.02	23.08	23.00	24.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	22.77	22.85	22.82	24.3	0.0	
Channel				630688	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	23.24	23.21	23.21	24.3	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.65	19.51	19.37	21.3	0.0	
100	PI2 BPSK	1	137	20.47	20.21	20.18			
100	PI2 BPSK	1	271	19.30	19.38	19.30			
100	PI2 BPSK	135	0	20.33	20.18	20.11	21.3	0.0	
100	PI2 BPSK	135	69	20.42	20.27	20.27	21.3	0.0	
100	PI2 BPSK	135	138	20.16	19.87	19.86	21.3	0.0	
100	PI2 BPSK	270	0	20.24	20.07	20.01			
100	QPSK	1	1	19.66	19.53	19.46			
100	QPSK	1	137	20.46	20.20	20.02	21.3	0.0	
100	QPSK	1	271	19.31	19.35	19.34			
100	QPSK	135	0	20.32	20.15	19.98			
100	QPSK	135	69	20.41	20.25	19.95	21.3	0.0	
100	QPSK	135	138	20.19	20.02	19.95	21.3	0.0	
100	QPSK	270	0	20.22	20.02	19.82			
100	16QAM	1	1	19.36	19.26	19.23	20.8	0.5	
100	64QAM	1	1	19.43	19.27	19.22	20.8	0.5	
100	256QAM	1	1	18.88	18.87	18.88	20.3	1.0	
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.01	3840	3934.98			
90	QPSK	1	1	19.73	19.69	19.64	21.3	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	19.87	19.81	20.29	21.3	0.0	
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	20.11	19.89	19.62	21.3	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	20.15	19.87	19.83	21.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.00	19.74	19.56	21.3	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	20.30	20.05	19.83	21.3	0.0	

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.09	22.81	22.44	24.3	0.0	
100	PI2 BPSK	1	137	23.50	23.32	23.00			
100	PI2 BPSK	1	271	22.40	22.45	22.35			
100	PI2 BPSK	135	0	23.44	23.32	23.03	24.3	0.0	
100	PI2 BPSK	135	69	23.49	23.36	23.03	24.3	0.0	
100	PI2 BPSK	135	138	23.36	23.12	23.00	24.3	0.0	
100	PI2 BPSK	270	0	23.42	23.20	23.06			
100	QPSK	1	1	22.80	22.57	22.30			
100	QPSK	1	137	23.51	23.19	23.00	24.3	0.0	
100	QPSK	1	271	22.31	22.36	22.30			
100	QPSK	135	0	22.91	22.75	22.36			
100	QPSK	135	69	23.50	23.14	23.05	24.3	0.0	
100	QPSK	135	138	22.86	22.54	22.50			
100	QPSK	270	0	22.77	22.66	22.61			
100	16QAM	1	1	23.21	23.20	23.07	23.8	0.5	
100	64QAM	1	1	20.76	20.80	20.50	22.3	2.0	
100	256QAM	1	1	18.64	18.61	18.50	20.3	4.0	
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.01	3840	3934.98			
90	QPSK	1	1	22.84	22.84	22.50	24.3	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	22.89	22.60	22.59	24.3	0.0	
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	22.95	22.79	22.50	24.3	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	22.97	22.85	22.63	24.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.75	22.65	22.52	24.3	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	23.07	23.05	22.77	24.3	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	21.3	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		19.59		21.3	0.0	
100	PI/2 BPSK	1	137		20.47				
100	PI/2 BPSK	1	241		19.55				
100	PI/2 BPSK	135	0		20.33				
100	PI/2 BPSK	135	69		20.41		21.3	0.0	
100	PI/2 BPSK	135	138		20.27		21.3	0.0	
100	PI/2 BPSK	230	0		20.25				
100	QPSK	1	1		19.62		21.3	0.0	
100	QPSK	1	137		20.51				
100	QPSK	1	271		19.58				
100	QPSK	135	0		20.32				
100	QPSK	135	69		20.47		21.3	0.0	
100	QPSK	135	138		20.23		21.3	0.0	
100	QPSK	270	0		20.24				
100	16QAM	1	1		19.36		20.8	0.5	
100	64QAM	1	1		19.40		20.8	0.5	
100	256QAM	1	1		19.06		20.3	1.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3499.98	(dBm)	(dB)	
90	QPSK	1	1	19.68	19.94	19.73	21.3	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.59	19.65	19.75	21.3	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	19.94	19.88	19.84	21.3	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	20.02	19.97	20.00	21.3	0.0	
Channel				631334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3509.98	(dBm)	(dB)	
40	QPSK	1	1	19.75	19.80	19.79	21.3	0.0	
Channel				631000	633332	636666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	19.47	19.92	19.91	21.3	0.0	
Channel				630668	633332	637000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	20.14	20.09	20.15	21.3	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98	24.3	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		22.65		24.3	0.0	
100	PI/2 BPSK	1	137		23.50				
100	PI/2 BPSK	1	241		22.60				
100	PI/2 BPSK	135	0		23.37				
100	PI/2 BPSK	135	69		23.35		24.3	0.0	
100	PI/2 BPSK	135	138		23.27		24.3	0.0	
100	PI/2 BPSK	230	0		23.34				
100	QPSK	1	1		22.56		24.3	0.0	
100	QPSK	1	137		23.53				
100	QPSK	1	271		22.54				
100	QPSK	135	0		23.63				
100	QPSK	135	69		23.46		24.3	0.0	
100	QPSK	135	138		22.76		24.3	0.5	
100	QPSK	270	0		23.01				
100	16QAM	1	1		22.48		23.8	0.5	
100	64QAM	1	1		20.95		22.3	2.0	
100	256QAM	1	1		18.83		20.3	4.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3499	3499.98	3499.98	(dBm)	(dB)	
90	QPSK	1	1	22.71	22.80	22.77	24.3	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	22.84	22.83	22.83	24.3	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	23.01	23.07	22.95	24.3	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	23.22	23.26	23.18	24.3	0.0	
Channel				631334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3509.98	(dBm)	(dB)	
40	QPSK	1	1	22.92	22.98	22.91	24.3	0.0	
Channel				631000	633332	636666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	23.13	23.18	23.12	24.3	0.0	
Channel				630668	633332	637000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	23.33	23.29	23.27	24.3	0.0	

Part270_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			3795		
Frequency (MHz)									
100	Pl/2 BPSK	1	1		19.42		21.3	0.0	
100	Pl/2 BPSK	1	137		20.33				
100	Pl/2 BPSK	1	241		19.43				
100	Pl/2 BPSK	135	0		20.17		21.3	0.0	
100	Pl/2 BPSK	135	69		20.31		21.3	0.0	
100	Pl/2 BPSK	135	138		20.04		21.3	0.0	
100	Pl/2 BPSK	230	0		20.08				
100	QPSK	1	1		19.45		21.3	0.0	
100	QPSK	1	137		20.42				
100	QPSK	1	271		19.47				
100	QPSK	135	0		20.12		21.3	0.0	
100	QPSK	135	69		20.32				
100	QPSK	135	138		20.02				
100	QPSK	270	0		20.15		21.3	0.0	
100	16QAM	1	1		19.17		20.8	0.5	
100	64QAM	1	1		19.19		20.8	0.5	
100	256QAM	1	1		19.93		20.3	1.0	
Channel				64968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3795	3794.98	(dBm)		
90	QPSK	1	1	19.54	19.50	19.56	21.3	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	19.81	19.91	19.94	21.3	0.0	
Channel				649669	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	QPSK	1	1	19.94	19.95	19.95	21.3	0.0	
Channel				649333	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	20.05	20.01	20.08	21.3	0.0	
Channel				649000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	19.91	19.76	19.90	21.3	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3764.98	(dBm)		
30	QPSK	1	1	20.06	20.02	20.00	21.3	0.0	
Channel				645334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	QPSK	1	1	20.17	20.07	20.08	21.3	0.0	

Part270_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			3795		
Frequency (MHz)									
100	Pl/2 BPSK	1	1		22.38		24.3	0.0	
100	Pl/2 BPSK	1	137		23.17				
100	Pl/2 BPSK	1	241		22.31				
100	Pl/2 BPSK	135	0		23.08		24.3	0.0	
100	Pl/2 BPSK	135	69		23.12		24.3	0.0	
100	Pl/2 BPSK	135	138		22.97		24.3	0.0	
100	Pl/2 BPSK	230	0		23.01				
100	QPSK	1	1		22.33		24.3	0.0	
100	QPSK	1	137		23.32				
100	QPSK	1	271		22.38				
100	QPSK	135	0		22.55		24.3	0.0	
100	QPSK	135	69		23.26				
100	QPSK	135	138		22.47				
100	QPSK	270	0		22.55		23.8	0.5	
100	16QAM	1	1		21.96		23.8	0.5	
100	64QAM	1	1		20.42		22.3	2.0	
100	256QAM	1	1		18.36		20.3	4.0	
Channel				64968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3795	3794.98	(dBm)		
90	QPSK	1	1	22.51	22.56	22.52	24.3	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	22.54	22.58	22.68	24.3	0.0	
Channel				649669	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	QPSK	1	1	22.73	22.72	22.80	24.3	0.0	
Channel				649333	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	22.84	22.90	23.00	24.3	0.0	
Channel				649000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	22.58	22.55	22.62	24.3	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3764.98	(dBm)		
30	QPSK	1	1	22.76	22.86	22.90	24.3	0.0	
Channel				645334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	QPSK	1	1	22.97	22.96	23.07	24.3	0.0	

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BW [MHz]	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	25.5	0.0
Frequency (MHz)				164	164.5	169		
20	PI2 BPSK	1	1	24.53	24.58	24.49		
20	PI2 BPSK	1	53	24.34	24.43	24.31		
20	PI2 BPSK	1	104	24.30	24.45	24.35	25.0	0.5
20	PI2 BPSK	50	0	23.83	23.95	23.92		
20	PI2 BPSK	50	28	24.34	24.45	24.42		
20	PI2 BPSK	50	56	23.95	23.99	23.82		
20	PI2 BPSK	100	0	24.00	24.03	23.92	25.5	0.5
20	QPSK	1	1	24.52	24.61	24.57		
20	QPSK	1	53	24.40	24.54	24.44		
20	QPSK	1	104	24.26	24.37	24.31		
20	QPSK	50	0	23.31	23.47	23.37	24.5	1.0
20	QPSK	50	28	24.30	24.53	24.46		
20	QPSK	50	56	23.28	23.43	23.28		
20	QPSK	100	0	23.44	23.51	23.38		
20	16QAM	1	1	23.12	23.22	23.13	24.5	1.0
20	64QAM	1	1	21.58	21.63	21.55		
20	256QAM	1	1	20.07	20.23	20.13		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				163.5	164.5	164.5		
15	QPSK	1	1	24.42	24.45	24.51		
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				160	166.5	164		
10	QPSK	1	1	24.45	24.44	24.46		
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				166.5	166.5	166.5		
5	QPSK	1	1	24.42	24.57	24.54		

n5_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				166800	167300	167800	24.8	0.0
Frequency (MHz)				164	164.5	169		
20	PI2 BPSK	1	1	23.45	23.56	23.51		
20	PI2 BPSK	1	53	23.71	23.76	23.63		
20	PI2 BPSK	1	104	23.46	23.58	23.52	24.8	0.0
20	PI2 BPSK	50	0	23.57	23.61	23.57		
20	PI2 BPSK	50	28	23.66	23.76	23.66		
20	PI2 BPSK	50	56	23.40	23.48	23.36		
20	PI2 BPSK	100	0	23.58	23.63	23.54	24.8	0.0
20	QPSK	1	1	23.34	23.47	23.36		
20	QPSK	1	53	23.59	23.60	23.61		
20	QPSK	1	104	23.44	23.47	23.38		
20	QPSK	50	0	23.07	23.11	23.04	24.3	0.5
20	QPSK	50	28	23.71	23.74	23.73		
20	QPSK	50	56	23.05	23.18	23.15		
20	QPSK	100	0	23.17	23.25	23.16		
20	16QAM	1	1	22.66	22.76	22.64	24.3	0.5
20	64QAM	1	1	21.31	21.36	21.26		
20	256QAM	1	1	19.78	19.91	19.87		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				163.5	164.5	164.5		
15	QPSK	1	1	23.38	23.41	23.41		
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				160	166.5	164		
10	QPSK	1	1	23.32	23.43	23.40		
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				166.5	166.5	166.5		
5	QPSK	1	1	23.37	23.49	23.52		

n7_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				505000	507000	509000	22.0	0.0
Frequency (MHz)				2456	2455	2455		
50	PI2 BPSK	1	1	20.67	20.71	20.67		
50	PI2 BPSK	1	135	21.00	21.02	21.03		
50	PI2 BPSK	1	268	20.68	20.71	20.65	22.0	0.0
50	PI2 BPSK	135	0	20.99	21.10	21.11		
50	PI2 BPSK	135	68	21.09	21.12	21.11		
50	PI2 BPSK	135	135	21.08	21.10	20.98		
50	PI2 BPSK	270	0	21.03	21.12	21.03	22.0	0.0
50	QPSK	1	1	21.11	21.14	21.09		
50	QPSK	1	135	21.08	21.13	20.96		
50	QPSK	1	268	20.72	20.75	20.74		
50	QPSK	135	0	21.02	21.07	21.03	22.0	0.0
50	QPSK	135	68	21.05	21.11	21.04		
50	QPSK	135	135	21.02	21.08	21.00		
50	QPSK	270	0	21.04	21.10	21.06		
50	16QAM	1	1	20.39	20.51	20.53	22.0	0.0
50	64QAM	1	1	20.56	20.54	20.44		
50	256QAM	1	1	20.13	20.18	20.15		
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2450	2455	2450		
40	QPSK	1	1	20.59	20.63	20.59		
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2415	2435	2455		
30	QPSK	1	1	20.52	20.62	20.60		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2435	2457.5		
25	QPSK	1	1	20.67	20.65	20.61		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2410	2435	2460		
20	QPSK	1	1	20.52	20.71	20.55		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2207.5	2435	2462.5		
15	QPSK	1	1	20.58	20.54	20.60		
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2405	2435	2465		
10	QPSK	1	1	20.56	20.65	20.67		
Channel				506500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2400.5	2435	2467.5		
5	QPSK	1	1	20.66	20.67	20.55		

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				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	18.37	18.47	18.44	20.1	0.0	
50	P12 BPSK	1	135	18.51	18.61	18.57			
50	P12 BPSK	1	268	18.12	18.18	18.16	20.1	0.0	
50	P12 BPSK	135	0	18.59	18.69	18.66			
50	P12 BPSK	135	68	18.61	18.65	18.63	20.1	0.0	
50	P12 BPSK	135	135	18.44	18.55	18.50			
50	P12 BPSK	270	0	18.52	18.63	18.55	20.1	0.0	
50	QPSK	1	1	18.31	18.39	18.29		20.1	
50	QPSK	1	135	18.67	18.71	18.61			
50	QPSK	1	268	18.15	18.15	18.15	20.1	0.0	
50	QPSK	135	0	18.57	18.63	18.55			
50	QPSK	135	68	18.64	18.65	18.59	20.1	0.0	
50	QPSK	135	135	18.53	18.56	18.52			
50	QPSK	270	0	18.56	18.62	18.54	20.1	0.0	
50	16QAM	1	1	18.17	18.14	18.15		20.1	
50	64QAM	1	1	18.15	18.15	18.18		20.1	
50	256QAM	1	1	18.59	18.70	18.64		20.1	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2525	2535	2550			
40	QPSK	1	1	18.27	18.38	18.30	20.1	0.0	
Channel				503000	507000	511000		Tune-up limit (dBm)	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	18.30	18.39	18.42	20.1	0.0	
Channel				502500	507000	511500		Tune-up limit (dBm)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.27	18.47	18.38	20.1	0.0	
Channel				502000	507000	512000		Tune-up limit (dBm)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.31	18.34	18.37	20.1	0.0	
Channel				501500	507000	512500		Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.20	18.35	18.34	20.1	0.0	
Channel				501000	507000	513000		Tune-up limit (dBm)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.35	18.40	18.30	20.1	0.0	
Channel				500500	507000	513500		Tune-up limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.22	18.33	18.37	20.1	0.0	
Channel									

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				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	17.35	17.34	17.30	19.2	0.0	
50	P12 BPSK	1	135	17.46	17.46	17.43			
50	P12 BPSK	1	268	17.38	17.33	17.33	19.2	0.0	
50	P12 BPSK	135	0	17.39	17.34	17.32			
50	P12 BPSK	135	68	17.37	17.39	17.32	19.2	0.0	
50	P12 BPSK	135	135	17.36	17.41	17.35			
50	P12 BPSK	270	0	17.37	17.34	17.31	19.2	0.0	
50	QPSK	1	1	17.36	17.33	17.30		19.2	
50	QPSK	1	135	17.45	17.47	17.35			
50	QPSK	1	268	17.33	17.35	17.31	19.2	0.0	
50	QPSK	135	0	17.30	17.31	17.34			
50	QPSK	135	68	17.30	17.42	17.40	19.2	0.0	
50	QPSK	135	135	17.35	17.39	17.40			
50	QPSK	270	0	17.31	17.35	17.32	19.2	0.0	
50	16QAM	1	1	17.34	17.35	17.33		19.2	
50	64QAM	1	1	17.33	17.32	17.34		19.2	
50	256QAM	1	1	17.42	17.45	17.40		19.2	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	17.36	17.35	17.30	19.2	0.0	
Channel				503000	507000	511000		Tune-up limit (dBm)	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	17.33	17.31	17.25	19.2	0.0	
Channel				502500	507000	511500		Tune-up limit (dBm)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.32	17.30	17.30	19.2	0.0	
Channel				502000	507000	512000		Tune-up limit (dBm)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.32	17.30	17.33	19.2	0.0	
Channel				501500	507000	512500		Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.33	17.31	17.30	19.2	0.0	
Channel				501000	507000	513000		Tune-up limit (dBm)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.31	17.35	17.30	19.2	0.0	
Channel				500500	507000	513500		Tune-up limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.36	17.30	17.35	19.2	0.0	
Channel									

n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	22.04	22.19	22.15	23.7	0.0	
50	P12 BPSK	1	135	22.32	22.44	22.31			
50	P12 BPSK	1	268	22.02	22.14	22.10	23.7	0.0	
50	P12 BPSK	135	0	22.29	22.51	22.48			
50	P12 BPSK	135	68	22.49	22.63	22.63	23.7	0.0	
50	P12 BPSK	135	135	22.51	22.51	22.47			
50	P12 BPSK	270	0	22.52	22.54	22.51	23.7	0.0	
50	QPSK	1	1	22.47	22.55	22.49		23.7	
50	QPSK	1	135	22.23	22.29	22.30			
50	QPSK	1	268	22.05	22.09	22.12	23.7	0.0	
50	QPSK	135	0	22.43	22.51	22.37			
50	QPSK	135	68	22.47	22.52	22.51	23.7	0.0	
50	QPSK	135	135	22.42	22.49	22.34			
50	QPSK	270	0	22.49	22.54	22.63	23.7	0.0	
50	16QAM	1	1	21.74	21.85	21.77		23.7	
50	64QAM	1	1	20.38	20.38	20.31		22.2	
50	256QAM	1	1	19.00	19.01	18.95		20.2	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.00	22.07	22.11	23.7	0.0	
Channel				503000	507000	511000		Tune-up limit (dBm)	
Frequency (MHz)				2516	2535	2555			
30	QPSK	1	1	22.04	22.16	22.08	23.7	0.0	
Channel				502500	507000	511500		Tune-up limit (dBm)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.97	22.17	22.01	23.7	0.0	
Channel				502000	507000	512000		Tune-up limit (dBm)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.93	22.15	22.02	23.7	0.0	
Channel				501500	507000	512500		Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.95	22.04	22.12	23.7	0.0	
Channel				501000	507000	513000		Tune-up limit (dBm)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.98	22.19	22.01	23.7	0.0	
Channel				500500	507000	513500		Tune-up limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.97	22.10	22.11	23.7	0.0	

n66_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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	19.08	19.14	19.07		
40	PI2 BPSK	1	108	19.64	19.71	19.66	21.0	0.0
40	PI2 BPSK	1	214	19.01	19.16	19.16		
40	PI2 BPSK	108	0	19.55	19.66	19.64	21.0	0.0
40	PI2 BPSK	108	54	19.72	19.69	19.59	21.9	0.0
40	PI2 BPSK	108	108	19.63	19.73	19.74		
40	PI2 BPSK	216	0	19.66	19.72	19.74	21.0	0.0
40	QPSK	1	1	19.02	19.08	19.06		
40	QPSK	1	108	19.70	19.77	19.89	21.0	0.0
40	QPSK	1	214	19.15	19.15	19.15		
40	QPSK	108	0	19.47	19.59	19.63	21.0	0.0
40	QPSK	108	54	19.64	19.75	19.76	21.0	0.0
40	QPSK	108	108	19.60	19.71	19.64	21.0	0.0
40	QPSK	216	0	19.65	19.73	19.71		
40	16QAM	1	1	19.02	19.02	19.01	21.0	0.0
40	64QAM	1	1	19.05	19.00	19.00	21.0	0.0
40	256QAM	1	1	19.57	19.54	19.49	21.0	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	19.02	19.03	19.04	21.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	19.04	19.00	19.03	21.0	0.0
Channel				343000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	19.06	19.01	19.01	21.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	19.06	18.99	18.99	21.0	0.0
Channel				342000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	18.95	19.01	19.01	21.0	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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	19.00	19.00	19.02		
40	PI2 BPSK	1	108	19.50	19.52	19.50	17.6	0.0
40	PI2 BPSK	1	214	19.06	19.13	19.09		
40	PI2 BPSK	108	0	19.49	19.51	19.51	17.6	0.0
40	PI2 BPSK	108	54	19.55	19.56	19.48	17.6	0.0
40	PI2 BPSK	108	108	19.77	19.76	19.72	17.6	0.0
40	PI2 BPSK	216	0	19.60	19.66	19.70		
40	QPSK	1	1	19.04	19.01	19.03		
40	QPSK	1	108	19.49	19.79	19.32	17.6	0.0
40	QPSK	1	214	19.12	19.13	19.07		
40	QPSK	108	0	19.46	19.54	19.52	17.6	0.0
40	QPSK	108	54	19.62	19.76	19.66	17.6	0.0
40	QPSK	108	108	19.61	19.74	19.65	17.6	0.0
40	QPSK	216	0	19.59	19.69	19.65		
40	16QAM	1	1	19.01	19.01	19.17	17.6	0.0
40	64QAM	1	1	19.14	19.00	19.08	17.6	0.0
40	256QAM	1	1	19.33	19.33	19.29	17.6	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	19.06	19.02	19.07	17.6	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	19.01	19.01	19.05	17.6	0.0
Channel				343000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	19.07	19.01	19.04	17.6	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	19.08	19.09	19.97	17.6	0.0
Channel				342000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	19.93	19.88	19.94	17.6	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				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PQ2 BPSK	1	1	20.10	20.15	20.06			
40	PQ2 BPSK	1	108	20.72	20.74	20.71	21.6	0.0	
40	PQ2 BPSK	1	214	20.26	20.27	20.24			
40	PQ2 BPSK	108	0	20.71	20.77	20.78	21.6	0.0	
40	PQ2 BPSK	108	54	20.77	20.76	20.77	21.6	0.0	
40	PQ2 BPSK	108	108	20.76	20.83	20.76			
40	PQ2 BPSK	216	0	20.83	20.84	20.84	21.6	0.0	
40	QPSK	1	1	20.03	20.05	20.02			
40	QPSK	1	108	20.63	20.65	20.78	21.6	0.0	
40	QPSK	1	214	20.16	20.27	20.27			
40	QPSK	108	0	20.67	20.69	20.67	21.6	0.0	
40	QPSK	108	54	20.76	20.83	20.81	21.6	0.0	
40	QPSK	108	108	20.76	20.82	20.86	21.6	0.0	
40	QPSK	216	0	20.81	20.82	20.86			
40	16QAM	1	1	19.81	19.86	19.85	21.6	0.0	
40	64QAM	1	1	19.77	19.83	19.80	21.6	0.0	
40	256QAM	1	1	19.41	19.40	19.32	20.6	1.0	
Channel				340000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	20.10	20.11	19.97	21.6	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	20.06	20.00	20.03	21.6	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.99	20.05	19.93	21.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	20.06	20.07	19.93	21.6	0.0	
Channel				342500	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.95	20.04	19.95	21.6	0.0	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1725	1745	1760			
40	PQ2 BPSK	1	1	21.54	21.54	21.58			
40	PQ2 BPSK	1	108	22.10	22.12	22.04	22.7	0.0	
40	PQ2 BPSK	1	214	21.61	21.59	21.58			
40	PQ2 BPSK	108	0	22.12	22.14	22.00	22.7	0.0	
40	PQ2 BPSK	108	54	22.07	22.06	22.01	22.7	0.0	
40	PQ2 BPSK	108	108	22.09	22.16	22.12			
40	PQ2 BPSK	216	0	22.10	22.15	22.06	22.7	0.0	
40	QPSK	1	1	21.31	21.44	21.36			
40	QPSK	1	108	21.86	22.17	22.01	22.7	0.0	
40	QPSK	1	214	21.62	21.59	21.60			
40	QPSK	108	0	21.93	22.10	22.00	22.7	0.0	
40	QPSK	108	54	21.96	22.15	22.04	22.7	0.0	
40	QPSK	108	108	21.94	22.16	22.02	22.7	0.0	
40	QPSK	216	0	21.91	22.11	22.03			
40	16QAM	1	1	21.28	21.23	21.20	22.7	0.0	
40	64QAM	1	1	19.63	19.78	19.76	21.2	1.5	
40	256QAM	1	1	18.25	18.27	18.29	19.2	3.5	
Channel				340000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	21.43	21.48	21.50	22.7	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	21.43	21.54	21.45	22.7	0.0	
Channel				343000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	21.42	21.46	21.46	22.7	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.53	21.43	21.53	22.7	0.0	
Channel				342500	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.52	21.53	21.50	22.7	0.0	



n38_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									
Frequency (MHz)				518004	518000	518996			
				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	20.07	20.05	20.12	21.5	0.0	
40	Pl2 BPSK	1	53	20.48	20.54	20.45			
40	Pl2 BPSK	1	104	20.18	20.13	20.13			
40	Pl2 BPSK	50	0	20.47	20.42	20.38	21.5	0.0	
40	Pl2 BPSK	50	28	20.51	20.54	20.41	21.5	0.0	
40	Pl2 BPSK	50	56	20.43	20.48	20.55	21.5	0.0	
40	Pl2 BPSK	100	0	20.36	20.47	20.46			
40	QPSK	1	1	20.11	20.07	20.02			
40	QPSK	1	53	20.43	20.56	20.45	21.5	0.0	
40	QPSK	1	104	19.98	20.10	20.07			
40	QPSK	50	0	20.30	20.42	20.43			
40	QPSK	50	28	20.46	20.55	20.50	21.5	0.0	
40	QPSK	50	56	20.33	20.45	20.43			
40	QPSK	100	0	20.43	20.49	20.41	21.5	0.0	
40	16QAM	1	1	19.76	19.85	19.88	21.5	0.0	
40	8QAM	1	1	19.93	19.86	19.75	21.5	0.0	
40	256QAM	1	1	19.95	20.00	20.07	21.0	0.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.00	19.96	20.03	21.5	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.01	19.92	20.08	21.5	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)				518004	518000	518996			
				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	18.04	18.05	18.01	19.9	0.0	
40	Pl2 BPSK	1	53	18.50	18.49	18.48			
40	Pl2 BPSK	1	104	18.01	18.06	18.01			
40	Pl2 BPSK	50	0	18.44	18.43	18.42	19.9	0.0	
40	Pl2 BPSK	50	28	18.45	18.46	18.41	19.9	0.0	
40	Pl2 BPSK	50	56	18.35	18.35	18.29	19.9	0.0	
40	Pl2 BPSK	100	0	18.40	18.45	18.40			
40	QPSK	1	1	18.04	18.09	18.04			
40	QPSK	1	53	18.44	18.50	18.48	19.9	0.0	
40	QPSK	1	104	18.12	18.00	18.05			
40	QPSK	50	0	18.36	18.35	18.35			
40	QPSK	50	28	18.42	18.49	18.43	19.9	0.0	
40	QPSK	50	56	18.36	18.36	18.38	19.9	0.0	
40	QPSK	100	0	18.34	18.39	18.37			
40	16QAM	1	1	18.04	18.00	18.01	19.9	0.0	
40	64QAM	1	1	18.02	18.01	18.07	19.9	0.0	
40	256QAM	1	1	18.37	18.39	18.31	18.5	0.0	
Channel									
Frequency (MHz)				518002	519000	520998	Tune-up limit	MPR (dB)	
30	QPSK	1	1	18.03	18.01	18.10	19.9	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up limit	MPR (dB)	
20	QPSK	1	1	18.02	18.03	18.06	19.9	0.0	

n38_Ant 2									
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									
Frequency (MHz)				2580.02	2595	2599.98			
40	Pl2 BPSK	1	1	17.76	17.70	17.79	19.7	0.0	
40	Pl2 BPSK	1	53	18.26	18.19	18.10			
40	Pl2 BPSK	1	104	17.80	17.82	17.79			
40	Pl2 BPSK	50	0	17.95	18.06	17.96	19.7	0.0	
40	Pl2 BPSK	50	28	18.23	18.18	18.09	19.7	0.0	
40	Pl2 BPSK	50	56	18.12	18.23	18.21	19.7	0.0	
40	Pl2 BPSK	100	0	18.18	18.15	18.11			
40	QPSK	1	1	17.78	17.76	17.78			
40	QPSK	1	53	18.23	18.27	18.17	19.7	0.0	
40	QPSK	1	104	17.78	17.83	17.81			
40	QPSK	50	0	17.99	18.02	18.05			
40	QPSK	50	28	18.15	18.24	18.15	19.7	0.0	
40	QPSK	50	56	18.12	18.16	18.14	19.7	0.0	
40	QPSK	100	0	18.04	18.21	17.88			
40	16QAM	1	1	17.74	17.70	17.70	18.7	0.0	
40	64QAM	1	1	17.73	17.75	17.78	19.7	0.0	
40	256QAM	1	1	18.02	18.04	17.88	18.7	0.0	
Channel									
Frequency (MHz)				2580.01	2595	2604.99 <th>Tune-up time (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up time (dBm)	MPR (dB)	
30	QPSK	1	1	17.79	17.87	17.83	19.7	0.0	
Channel									
Frequency (MHz)				518000	519000	520000	Tune-up time (dBm)	MPR (dB)	
20	QPSK	1	1	17.78	17.79	17.88	19.7	0.0	

n38_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				51804	51900	51996			
Frequency (MHz)				2560.02	2565	2569.98			
40	PI2 BPSK	1	1	21.86	21.93	21.88	23.6	0.0	
40	PI2 BPSK	1	53	22.41	22.55	22.45			
40	PI2 BPSK	1	104	22.16	22.17	22.10			
40	PI2 BPSK	50	0	22.35	22.28	22.19	23.6	0.0	
40	PI2 BPSK	50	26	22.52	22.57	22.47	23.6	0.0	
40	PI2 BPSK	50	56	22.28	22.38	22.34	23.6	0.0	
40	PI2 BPSK	100	0	22.39	22.39	22.45			
40	QPSK	1	1	22.00	21.98	21.84			
40	QPSK	1	53	22.46	22.56	22.43	23.6	0.0	
40	QPSK	1	104	21.99	22.11	21.99	23.6	0.0	
40	QPSK	50	0	22.16	22.25	22.25			
40	QPSK	50	26	22.45	22.52	22.40			
40	QPSK	50	56	22.31	22.31	22.25	23.6	0.0	
40	QPSK	100	0	22.43	22.47	22.34			
40	16QAM	1	1	21.94	21.78	21.71	23.6	0.0	
40	64QAM	1	1	20.38	20.38	20.26	22.1	1.5	
40	256QAM	1	1	18.84	18.87	18.96	20.1	3.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2565.01	2565	2569.99			
30	QPSK	1	1	21.80	21.92	21.86	23.6	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.82	21.93	21.85	23.6	0.0	

n41_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				506502	518698	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.56	19.60	19.58	21.5	0.0	
100	PI2 BPSK	1	137	20.39	20.50	20.38			
100	PI2 BPSK	1	271	19.61	19.69	19.68			
100	PI2 BPSK	135	0	20.28	20.25	20.17	21.5	0.0	
100	PI2 BPSK	135	69	20.53	20.55	20.45	21.5	0.0	
100	PI2 BPSK	135	138	20.24	20.35	20.34	21.5	0.0	
100	PI2 BPSK	270	0	20.21	20.31	20.27			
100	QPSK	1	1	19.53	19.57	19.54			
100	QPSK	1	137	20.55	20.57	20.50	21.5	0.0	
100	QPSK	1	271	19.72	19.66	19.56	21.5	0.0	
100	QPSK	135	0	20.34	20.28	20.22			
100	QPSK	135	69	20.52	20.55	20.54			
100	QPSK	135	138	20.41	20.38	20.27	21.5	0.0	
100	QPSK	270	0	20.23	20.47	20.26			
100	16QAM	1	1	19.52	19.54	19.56	21.5	0.0	
100	64QAM	1	1	19.55	19.55	19.51	21.5	0.0	
100	256QAM	1	1	19.44	19.49	19.45	21.0	0.5	
Channel				508200	518098	528996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541 <td>2592.99</td> <td>2644.98</td> <th></th> <th></th> <th></th>	2592.99	2644.98			
90	QPSK	1	1	19.53	19.58	19.56	21.5	0.0	
Channel				507204	518098	529998	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02 <td>2592.99</td> <td>2648.99</td> <th></th> <th></th> <th></th>	2592.99	2648.99			
80	QPSK	1	1	19.52	19.53	19.50	21.5	0.0	
Channel				505000	518098	531000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526 <td>2592.99</td> <td>2658.98</td> <th></th> <th></th> <th></th>	2592.99	2658.98			
60	QPSK	1	1	19.50	19.51	19.57	21.5	0.0	
Channel				504004	518098	532004	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02 <td>2592.99</td> <td>2654.99</td> <th></th> <th></th> <th></th>	2592.99	2654.99			
50	QPSK	1	1	19.56	19.52	19.59	21.5	0.0	
Channel				503002	518098	534000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01 <td>2592.99</td> <td>2670</td> <th></th> <th></th> <th></th>	2592.99	2670			
40	QPSK	1	1	19.54	19.51	19.55	21.5	0.0	
Channel				502000	518098	534996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511 <td>2592.99</td> <td>2674.98</td> <th></th> <th></th> <th></th>	2592.99	2674.98			
30	QPSK	1	1	19.52	19.59	19.56	21.5	0.0	
Channel				500204	518098	535000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02 <td>2592.99</td> <td>2679.99</td> <th></th> <th></th> <th></th>	2592.99	2679.99			
20	QPSK	1	1	19.53	19.53	19.51	21.5	0.0	

n41_FCC_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				505002	518098	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.00	18.01	18.00	19.9	0.0	
100	PI2 BPSK	1	137	18.63	18.61	18.49			
100	PI2 BPSK	1	271	18.04	17.92	17.92			
100	PI2 BPSK	135	0	18.44	18.49	18.38	19.9	0.0	
100	PI2 BPSK	135	69	18.57	18.68	18.68	19.9	0.0	
100	PI2 BPSK	135	138	18.34	18.39	18.33	19.9	0.0	
100	PI2 BPSK	270	0	18.33	18.40	18.36			
100	QPSK	1	1	17.97	18.01	18.03			
100	QPSK	1	137	18.62	18.70	18.60	19.9	0.0	
100	QPSK	1	271	18.05	18.07	17.96	19.9	0.0	
100	QPSK	135	0	18.46	18.47	18.40			
100	QPSK	135	69	18.55	18.68	18.64			
100	QPSK	135	138	18.29	18.41	18.31	19.9	0.0	
100	QPSK	270	0	18.31	18.64	18.43			
100	16QAM	1	1	17.99	18.02	18.00	19.9	0.0	
100	64QAM	1	1	18.05	18.03	18.08	19.9	0.0	
100	256QAM	1	1	18.25	18.20	18.27	19.9	0.0	
Channel				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541.01 <th>2592.99</th> <th>2644.98</th> <th></th> <th></th> <th></th>	2592.99	2644.98			
90	QPSK	1	1	18.06	18.02	18.00	19.9	0.0	
Channel				507204	518098	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02 <th>2592.99</th> <th>2648.99</th> <th></th> <th></th> <th></th>	2592.99	2648.99			
80	QPSK	1	1	17.91	17.96	18.03	19.9	0.0	
Channel				505000	518098	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526.02 <th>2592.99</th> <th>2658.98</th> <th></th> <th></th> <th></th>	2592.99	2658.98			
60	QPSK	1	1	17.95	18.08	18.01	19.9	0.0	
Channel				504004	518098	532004	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02 <th>2592.99</th> <th>2654.99</th> <th></th> <th></th> <th></th>	2592.99	2654.99			
50	QPSK	1	1	17.93	17.99	18.00	19.9	0.0	
Channel				503002	518098	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01 <th>2592.99</th> <th>2670.00</th> <th></th> <th></th> <th></th>	2592.99	2670.00			
40	QPSK	1	1	17.93	18.02	17.98	19.9	0.0	
Channel				502000	518098	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.01 <th>2592.99</th> <th>2674.98</th> <th></th> <th></th> <th></th>	2592.99	2674.98			
30	QPSK	1	1	17.95	18.00	17.97	19.9	0.0	
Channel				500204	518098	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02 <th>2592.99</th> <th>2679.99</th> <th></th> <th></th> <th></th>	2592.99	2679.99			
20	QPSK	1	1	17.92	17.98	18.06	19.9	0.0	

n41_FCC_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				5050.02	5189.98	5260.00	2540		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	15.21	15.27	15.22	17.2	0.0	
100	PI2 BPSK	1	137	15.81	15.78	15.72			
100	PI2 BPSK	1	271	15.41	15.43	15.42			
100	PI2 BPSK	135	0	15.65	15.65	15.58	17.2	0.0	
100	PI2 BPSK	135	69	15.71	15.64	15.65	17.2	0.0	
100	PI2 BPSK	135	138	15.70	15.60	15.61	17.2	0.0	
100	PI2 BPSK	270	0	15.68	15.71	15.71			
100	QPSK	1	1	15.25	15.28	15.23	17.2	0.0	
100	QPSK	1	137	15.75	15.66	15.75			
100	QPSK	1	271	15.29	15.42	15.34			
100	QPSK	135	0	15.67	15.66	15.68	17.2	0.0	
100	QPSK	135	69	15.75	15.64	15.71			
100	QPSK	135	138	15.67	15.76	15.64			
100	QPSK	270	0	15.62	15.61	15.59	17.2	0.0	
100	16QAM	1	1	15.20	15.26	15.29	17.2	0.0	
100	64QAM	1	1	15.27	15.27	15.25	17.2	0.0	
100	256QAM	1	1	15.57	15.61	15.54	17.2	0.0	
Channel				5050.00	5189.98	5269.96	2541	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
50	QPSK	1	1	15.33	15.35	15.41	17.2	0.0	
Channel				507204	518998	526998	2536.02	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.33	15.34	15.41	17.2	0.0	
Channel				502200	518998	531998	2526	MPR	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	15.42	15.48	15.37	17.2	0.0	
Channel				504204	518998	532998	2511	MPR	
Frequency (MHz)				2511	2592.99	2664.99			
50	QPSK	1	1	15.40	15.42	15.30	17.2	0.0	
Channel				503202	518998	534000	2516.01	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.37	15.41	15.34	17.2	0.0	
Channel				502200	518998	534996	2511	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.48	15.41	15.30	17.2	0.0	
Channel				2506.02	2592.99	2679.99	2506.02	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.41	15.42	15.38	17.2	0.0	

n41_FCC_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5050.02	5189.98	5260.00	2540		
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	21.17	21.15	21.19	23.1	0.0	
100	PI2 BPSK	1	137	21.84	21.85	22.02			
100	PI2 BPSK	1	271	21.18	21.21	21.11			
100	PI2 BPSK	135	0	21.68	21.78	21.77	23.1	0.0	
100	PI2 BPSK	135	69	21.98	21.91	21.99	23.1	0.0	
100	PI2 BPSK	135	138	21.74	21.83	21.83	23.1	0.0	
100	PI2 BPSK	270	0	21.76	21.83	21.77			
100	QPSK	1	1	21.11	21.14	21.11	23.1	0.0	
100	QPSK	1	137	21.64	22.06	21.84			
100	QPSK	1	271	21.16	21.27	21.15			
100	QPSK	135	0	21.72	21.79	21.80	23.1	0.0	
100	QPSK	135	69	22.05	22.05	22.05			
100	QPSK	135	138	21.69	21.79	21.73			
100	QPSK	270	0	21.70	21.87	21.87	23.1	0.0	
100	16QAM	1	1	21.17	21.21	21.11	23.1	0.0	
100	64QAM	1	1	20.17	20.19	20.16	22.1	1.0	
100	256QAM	1	1	18.39	18.33	18.32	20.1	3.0	
Channel				5050.00	518998	526996	2541	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
50	QPSK	1	1	21.35	21.32	21.27	23.1	0.0	
Channel				507204	518998	526998	2536.02	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.31	21.23	21.24	23.1	0.0	
Channel				5050.00	518998	531998	2526	MPR	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	21.36	21.32	21.19	23.1	0.0	
Channel				504204	518998	532998	2511	MPR	
Frequency (MHz)				2511	2592.99	2664.99			
50	QPSK	1	1	21.27	21.34	21.22	23.1	0.0	
Channel				503202	518998	534000	2516.01	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.20	21.30	21.24	23.1	0.0	
Channel				502200	518998	534996	2511	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.37	21.35	21.20	23.1	0.0	
Channel				2506.02	2592.99	2679.99	2506.02	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.25	21.29	21.21	23.1	0.0	

Part27Q_n77_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				633000	633332		3499.98		
Frequency (MHz)									
100	PI2 BPSK	1	1	14.68			15.9	0.0	
100	PI2 BPSK	1	137	15.34					
100	PI2 BPSK	1	271	14.50					
100	PI2 BPSK	135	0	15.17			15.9	0.0	
100	PI2 BPSK	135	69	15.32			15.9	0.0	
100	PI2 BPSK	135	138	15.18			15.9	0.0	
100	PI2 BPSK	270	0	15.19					
100	QPSK	1	1	14.65			15.9	0.0	
100	QPSK	1	137	15.37					
100	QPSK	1	271	14.53					
100	QPSK	135	0	15.19			15.9	0.0	
100	QPSK	135	69	15.35					
100	QPSK	135	138	15.33					
100	QPSK	270	0	15.33			15.9	0.0	
100	16QAM	1	1	14.36			15.9	0.0	
100	64QAM	1	1	14.49			15.9	0.0	
100	256QAM	1	1	15.02			15.9	0.0	
Channel				633000	633332	633606	3499.98	MPR (dBm)	
Frequency (MHz)				3495	3499.98	3504.09			
50	QPSK	1	1	14.36	14.43	14.27	15.9	0.0	
Channel				630998	633332	634000	3490.02	MPR (dBm)	
Frequency (MHz)				3490.02	3499.98	3510.00			
80	QPSK	1	1	14.16	14.14	14.14	15.9	0.0	
Channel				630000	633332	634066	3480	MPR (dBm)	
Frequency (MHz)				3480	3499.98	3510.69			
60	QPSK	1	1	14.25	14.24	14.18	15.9	0.0	
Channel				630998	633332	635000	3470.01	MPR (dBm)	
Frequency (MHz)				3470.01	3499.98	3520.00			
40	QPSK	1	1	14.27	14.22	14.18	15.9	0.0	
Channel				630998	633332	635000	3460.00	MPR (dBm)	
Frequency (MHz)				3460.00	3499.98	3500			
20	QPSK	1	1	14.64	14.61	14.39	15.9	0.0	



Part27Q_n77(HPUE)_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				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	17.11					
100	PI2 BPSK	1	137	17.61			18.9	0.0	
100	PI2 BPSK	1	271	17.94					
100	PI2 BPSK	135	0	17.78			18.9	0.0	
100	PI2 BPSK	135	69	17.85			18.9	0.0	
100	PI2 BPSK	135	138	17.68			18.9	0.0	
100	PI2 BPSK	270	0	17.74					
100	QPSK	1	1	17.08					
100	QPSK	1	137	17.91			18.9	0.0	
100	QPSK	1	271	18.98					
100	QPSK	135	0	17.79					
100	QPSK	135	69	17.85			18.9	0.0	
100	QPSK	135	138	17.68					
100	QPSK	270	0	17.74			18.9	0.0	
100	16QAM	1	1	17.36			18.9	0.0	
100	64QAM	1	1	17.29			18.9	0.0	
100	256QAM	1	1	17.20			18.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99			
50	QPSK	1	1	17.30	17.15	17.15	18.9	0.0	
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510			
80	QPSK	1	1	17.41	17.23	17.23	18.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	17.35	17.21	17.01	18.9	0.0	
Channel				631068	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.92	3499.98	3505			
50	QPSK	1	1	17.37	17.33	17.03	18.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.98			
40	QPSK	1	1	17.32	17.16	17.07	18.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.43	17.19	17.21	18.9	0.0	

Part27O_n77_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				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.29	14.29	14.29			
100	PI2 BPSK	1	137	14.92	15.04	14.92	15.9	0.0	
100	PI2 BPSK	1	271	14.26	14.23	14.15			
100	PI2 BPSK	135	0	14.97	15.02	15.04	15.9	0.0	
100	PI2 BPSK	135	69	15.11	15.05	14.92	15.9	0.0	
100	PI2 BPSK	135	138	14.85	14.83	14.93	15.9	0.0	
100	PI2 BPSK	270	0	14.92	14.94	14.81			
100	QPSK	1	1	14.34	14.40	14.46			
100	QPSK	1	137	15.05	15.16	14.93	15.9	0.0	
100	QPSK	1	271	14.37	14.38	14.42			
100	QPSK	135	0	14.96	15.01	14.86			
100	QPSK	135	69	15.05	15.14	14.95	15.9	0.0	
100	QPSK	135	138	14.86	14.85	14.84			
100	QPSK	270	0	14.87	15.12	14.96	15.9	0.0	
100	16QAM	1	1	14.93	14.16	14.14	15.9	0.0	
100	64QAM	1	1	14.20	14.23	14.20	15.9	0.0	
100	256QAM	1	1	14.77	14.75	14.81	15.9	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.92	3840	3934.98			
50	QPSK	1	1	14.16	14.00	14.09	15.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	14.14	14.21	14.29	15.9	0.0	
Channel				648968	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	14.27	14.41	14.46	15.9	0.0	
Channel				648334	650000	650596	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.91	3840	3954.99			
50	QPSK	1	1	14.48	14.48	14.50	15.9	0.0	
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.13	14.30	14.17	15.9	0.0	
Channel				647334	650000	650896	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	14.29	14.64	14.54	15.9	0.0	

Part27O_n77(HPUE)_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				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.37	17.42	17.45			
100	PI2 BPSK	1	137	18.09	18.09	18.14	18.9	0.0	
100	PI2 BPSK	1	271	17.19	17.29	17.28			
100	PI2 BPSK	135	0	18.04	18.05	18.05	18.9	0.0	
100	PI2 BPSK	135	69	18.17	18.19	18.13	18.9	0.0	
100	PI2 BPSK	135	138	17.88	18.00	17.93	18.9	0.0	
100	PI2 BPSK	270	0	18.07	18.01	17.97			
100	QPSK	1	1	17.37	17.35	17.31			
100	QPSK	1	137	18.05	18.23	18.01	18.9	0.0	
100	QPSK	1	271	17.33	17.29	17.28			
100	QPSK	135	0	18.63	18.01	17.95			
100	QPSK	135	69	18.55	18.20	18.05	18.9	0.0	
100	QPSK	135	138	17.91	17.96	17.98			
100	QPSK	270	0	18.05	18.14	18.00	18.9	0.0	
100	16QAM	1	1	17.60	17.61	17.51	18.9	0.0	
100	64QAM	1	1	17.42	17.53	17.47	18.9	0.0	
100	256QAM	1	1	17.47	17.52	17.56	18.9	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.92	3840	3934.98			
50	QPSK	1	1	17.06	17.19	17.20	18.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	17.12	17.20	17.22	18.9	0.0	
Channel				648968	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	17.36	17.38	17.44	18.9	0.0	
Channel				648334	650000	650596	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.91	3840	3954.99			
50	QPSK	1	1	17.55	17.58	17.44	18.9	0.0	
Channel				648000	650000	650900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.31	17.35	17.12	18.9	0.0	
Channel				647334	650000	650896	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	17.58	17.62	17.62	18.9	0.0	

Part27Q_n78_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				633332	3499.98				
Frequency (MHz)				14.73					
100	PI2 BPSK	1	1				15.9	0.0	
100	PI2 BPSK	1	137		15.27				
100	PI2 BPSK	1	271		14.58				
100	PI2 BPSK	135	0		15.28		15.9	0.0	
100	PI2 BPSK	135	69		15.32		15.9	0.0	
100	PI2 BPSK	135	138		15.13		15.9	0.0	
100	PI2 BPSK	270	0		15.14				
100	QPSK	1	1		14.70				
100	QPSK	1	137		15.34		15.9	0.0	
100	QPSK	1	271		14.53				
100	QPSK	135	0		15.19				
100	QPSK	135	69		15.31		15.9	0.0	
100	QPSK	135	138		15.12				
100	QPSK	270	0		15.21		15.9	0.0	
100	16QAM	1	1		14.60		15.9	0.0	
100	64QAM	1	1		14.54		15.9	0.0	
100	256QAM	1	1		15.16		15.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	14.62	14.53	14.51	15.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	14.72	14.71	14.51	15.9	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	14.77	14.93	14.60	15.9	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.99	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	15.04	15.02	14.82	15.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.98	(dBm)	(dB)	
40	QPSK	1	1	14.84	14.80	14.72	15.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	14.80	15.01	14.99	15.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	15.17	15.13	15.02	15.9	0.0	

Part27Q_n78(HPUE)_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				633332	3499.98				
Frequency (MHz)				17.14					
100	PI2 BPSK	1	1		17.14		18.9	0.0	
100	PI2 BPSK	1	137		17.67				
100	PI2 BPSK	1	271		16.98				
100	PI2 BPSK	135	0		17.80		18.9	0.0	
100	PI2 BPSK	135	69		17.87		18.9	0.0	
100	PI2 BPSK	135	138		17.69		18.9	0.0	
100	PI2 BPSK	270	0		17.72				
100	QPSK	1	1		17.12				
100	QPSK	1	137		17.90		18.9	0.0	
100	QPSK	1	271		16.93				
100	QPSK	135	0		17.78				
100	QPSK	135	69		17.88		18.9	0.0	
100	QPSK	135	138		17.73				
100	QPSK	270	0		17.85		18.9	0.0	
100	16QAM	1	1		17.37		18.9	0.0	
100	64QAM	1	1		17.29		18.9	0.0	
100	256QAM	1	1		17.25		18.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	17.61	17.57	17.56	18.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	17.72	17.72	17.72	18.9	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	17.51	17.55	17.51	18.9	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.99	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	17.48	17.58	17.48	18.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.98	(dBm)	(dB)	
40	QPSK	1	1	17.65	17.69	17.52	18.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	17.76	17.66	17.55	18.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.76	17.65	17.68	18.9	0.0	

Part27O_n78_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				3750					
Frequency (MHz)				14.14					
100	PI2 BPSK	1	1		14.14		15.9	0.0	
100	PI2 BPSK	1	137		14.91				
100	PI2 BPSK	1	271		14.28				
100	PI2 BPSK	135	0		14.71		15.9	0.0	
100	PI2 BPSK	135	69		14.82		15.9	0.0	
100	PI2 BPSK	135	138		14.88		15.9	0.0	
100	PI2 BPSK	270	0		14.73				
100	QPSK	1	1		14.15				
100	QPSK	1	137		14.98		15.9	0.0	
100	QPSK	1	271		14.22				
100	QPSK	135	0		14.65				
100	QPSK	135	69		14.95		15.9	0.0	
100	QPSK	135	138		14.80				
100	QPSK	270	0		14.87		15.9	0.0	
100	16QAM	1	1		14.04		15.9	0.0	
100	64QAM	1	1		14.07		15.9	0.0	
100	256QAM	1	1		14.48		15.9	0.0	
Channel				649998	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3743.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	14.04	14.07	14.30	15.9	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	14.13	14.18	14.16	15.9	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	14.09	14.33	14.14	15.9	0.0	
Channel				648000	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.99	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	14.28	14.35	14.50	15.9	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1	14.17	14.31	14.40	15.9	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	14.62	14.51	14.31	15.9	0.0	
Channel				647000	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	14.45	14.60	14.50	15.9	0.0	

Part27O_n78(HPUE)_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)									
100	PI2 BPSK	1	1		3750				
100	PI2 BPSK	1	1		17.14				
100	PI2 BPSK	1	137		17.89		18.9	0.0	
100	PI2 BPSK	1	271		17.46				
100	PI2 BPSK	135	0		17.85		18.9	0.0	
100	PI2 BPSK	135	69		18.00		18.9	0.0	
100	PI2 BPSK	135	138		18.05		18.9	0.0	
100	PI2 BPSK	270	0		17.89				
100	QPSK	1	1		17.00				
100	QPSK	1	137		18.07		18.9	0.0	
100	QPSK	1	271		17.31				
100	QPSK	135	0		17.78				
100	QPSK	135	69		18.00		18.9	0.0	
100	QPSK	135	138		18.01				
100	QPSK	270	0		17.85		18.9	0.0	
100	16QAM	1	1		17.22		18.9	0.0	
100	64QAM	1	1		17.13		18.9	0.0	
100	256QAM	1	1		17.08		18.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		64998	65000	65032	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		3745.02	3750	3754.98	(dBm)	(dB)
50	QPSK	1	1		17.07	17.06	17.23	18.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1		17.02	17.00	17.21	18.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		64950	65000	65132	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		3750.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1		17.15	17.14	17.08	18.9	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1		17.35	17.51	17.59	18.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		17.13	17.07	17.23	18.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		64741	65000	65266	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		3710.01	3750	3789.99	(dBm)	(dB)
30	QPSK	1	1		17.49	17.60	17.36	18.9	0.0

Part27Q_n77_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		63332	3499.98			
100	PI2 BPSK	1	1		18.28				
100	PI2 BPSK	1	137		18.82		19.8	0.0	
100	PI2 BPSK	1	271		18.09				
100	PI2 BPSK	135	0		18.78		19.8	0.0	
100	PI2 BPSK	135	69		18.93		19.8	0.0	
100	PI2 BPSK	135	138		18.68		19.8	0.0	
100	PI2 BPSK	270	0		18.77				
100	QPSK	1	1		18.26				
100	QPSK	1	137		18.95		19.8	0.0	
100	QPSK	1	271		18.14				
100	QPSK	135	0		18.83				
100	QPSK	135	69		18.91		19.8	0.0	
100	QPSK	135	138		18.73				
100	QPSK	270	0		18.86		19.8	0.0	
100	16QAM	1	1		18.11		19.8	0.0	
100	64QAM	1	1		18.14		19.8	0.0	
100	256QAM	1	1		18.77		19.8	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dbm)	MPR	(db)
90	QPSK	1	1	3495	3499.98	3504.99			
90	QPSK	1	1	17.96	18.01	17.99	19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dbm)	MPR	(db)
80	QPSK	1	1	3480.02	3499.98	3510			
80	QPSK	1	1	17.88	18.26	18.16	19.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63332	63468	Tune-up limit (dbm)	MPR	(db)
60	QPSK	1	1	3480	3499.98	3519.99			
60	QPSK	1	1	18.51	18.44	18.33	19.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63600	Tune-up limit (dbm)	MPR	(db)
50	QPSK	1	1	3476.02	3499.98	3527			
50	QPSK	1	1	18.14	18.31	18.27	19.8	0.0	
50	QPSK	1	1	63134	63332	63532	Tune-up limit (dbm)	MPR	(db)
50	QPSK	1	1	3470.01	3499.98	3529.98			
50	QPSK	1	1	18.27	18.29	18.20	19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63068	63332	63600	Tune-up limit (dbm)	MPR	(db)
40	QPSK	1	1	3460.02	3499.98	3540			
40	QPSK	1	1	18.51	18.67	18.49	19.8	0.0	

Part27Q_n77(HPUE)_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		63332				
100	PI2 BPSK	1	1		21.06				
100	PI2 BPSK	1	137		21.82		22.8		0.0
100	PI2 BPSK	1	271		20.83				
100	PI2 BPSK	135	0		21.72		22.8		0.0
100	PI2 BPSK	135	69		21.78		22.8		0.0
100	PI2 BPSK	135	138		21.66		22.8		0.0
100	PI2 BPSK	270	0		21.64				
100	QPSK	1	1		20.98				
100	QPSK	1	137		21.87		22.8		0.0
100	QPSK	1	271		20.84				
100	QPSK	135	0		21.73				
100	QPSK	135	69		21.85		22.8		0.0
100	QPSK	135	138		21.83				
100	QPSK	270	0		21.81		22.8		0.0
100	16QAM	1	1		21.23		22.8		0.0
100	64QAM	1	1		21.13		22.8		0.0
100	256QAM	1	1		20.10		21.8		1.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR	(dB)
90	QPSK	1	1	3495	3499.98	3504.99			
90	QPSK	1	1	20.96	20.94	20.82	22.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR	(dB)
80	QPSK	1	1	3480.02	3499.98	3510			
80	QPSK	1	1	21.23	21.10	21.06	22.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63332	63468	Tune-up limit (dBm)	MPR	(dB)
60	QPSK	1	1	3480	3499.98	3519.99			
60	QPSK	1	1	21.11	21.23	21.03	22.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR	(dB)
50	QPSK	1	1	3475.02	3499.98	3520			
50	QPSK	1	1	21.15	21.23	21.41	22.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63124	63332	63532	Tune-up limit (dBm)	MPR	(dB)
40	QPSK	1	1	3470.01	3499.98	3529.98			
40	QPSK	1	1	21.15	21.10	21.22	22.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63098	63332	63600	Tune-up limit (dBm)	MPR	(dB)
20	QPSK	1	1	3460.02	3499.98	3540			
20	QPSK	1	1	21.42	21.47	21.46	22.8	0.0	



Part27O_n77_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				3750	3840	3930	19.8	0.0			
Frequency (MHz)				17.50	17.67	17.65					
100	PI2 BPSK	1	1	17.50	17.67	17.65					
100	PI2 BPSK	1	137	18.26	18.48	18.39					
100	PI2 BPSK	1	271	17.50	17.85	17.73	19.8	0.0			
100	PI2 BPSK	135	0	18.08	18.27	18.17					
100	PI2 BPSK	135	69	18.23	18.52	18.42					
100	PI2 BPSK	135	138	18.26	18.46	18.33					
100	PI2 BPSK	270	0	18.11	18.33	18.17	19.8	0.0			
100	QPSK	1	1	17.53	17.64	17.55					
100	QPSK	1	137	18.42	18.66	18.55					
100	QPSK	1	271	17.88	17.89	17.71		19.8			
100	QPSK	135	0	17.99	18.24	18.15					
100	QPSK	135	69	18.40	18.63	18.55					
100	QPSK	135	138	18.14	18.42	18.26					
100	QPSK	270	0	18.36	18.57	18.39	19.8				
100	16QAM	1	1	17.51	17.57	17.55					
100	64QAM	1	1	17.51	17.53	17.52					
100	256QAM	1	1	17.82	18.03	17.87					
Channel				649888	650000	662332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3745.02	3840	3934.08	(dBm)	(dB)			
50	QPSK	1	1	17.61	17.56	17.62	19.8	0.0			
Channel				649334	650000	662066	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)			
80	QPSK	1	1	17.61	17.72	17.60	19.8	0.0			
Channel				649958	650000	653332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)			
60	QPSK	1	1	17.66	17.71	17.73	19.8	0.0			
Channel				647334	650000	664066	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)			
50	QPSK	1	1	18.07	18.11	18.10	19.8	0.0			
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)			
40	QPSK	1	1	17.84	17.86	17.90	19.8	0.0			
Channel				647334	650000	664066	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)			
20	QPSK	1	1	17.77	17.86	17.87	19.8	0.0			

Part27O_n77(HPUE)_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				3750	3840	3930	22.8	0.0	
Frequency (MHz)				20.51	20.53	20.53			
100	PI2 BPSK	1	1	21.20	21.42	21.32			
100	PI2 BPSK	1	271	20.50	20.59	20.51			
100	PI2 BPSK	135	0	20.98	21.18	20.98	22.8	0.0	
100	PI2 BPSK	135	69	21.22	21.43	21.22	22.8	0.0	
100	PI2 BPSK	135	138	20.95	21.26	21.09	22.8	0.0	
100	PI2 BPSK	270	0	21.02	21.24	21.14	22.8	0.0	
100	QPSK	1	1	20.52	20.58	20.50			
100	QPSK	1	137	21.32	21.55	21.42			
100	QPSK	1	271	20.51	20.53	20.51		22.8	
100	QPSK	135	0	20.91	21.16	20.96			
100	QPSK	135	69	21.30	21.49	21.35			
100	QPSK	135	138	20.99	21.27	21.16			
100	QPSK	270	0	21.19	21.43	21.33	22.8	0.0	
100	16QAM	1	1	20.54	20.58	20.50	22.8	0.0	
100	64QAM	1	1	20.51	20.61	20.52	22.8	0.0	
100	256QAM	1	1	19.50	19.56	19.51	21.8	1.0	
Channel				649888	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.08	(dBm)	(dB)	
50	QPSK	1	1	20.59	20.53	20.50	22.8	0.0	
Channel				649334	650000	662066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	20.65	20.68	20.70	22.8	0.0	
Channel				649958	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	20.81	20.88	20.95	22.8	0.0	
Channel				648334	650000	665066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	20.94	21.04	20.98	22.8	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	20.71	20.75	20.74	22.8	0.0	
Channel				647334	650000	664066	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	21.17	21.12	21.26	22.8	0.0	

Part27Q_n78_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				3499.98	633332		20.3	0.0	
Frequency (MHz)				18.81					
100	PI2 BPSK	1	1	19.36					
100	PI2 BPSK	1	271	18.59					
100	PI2 BPSK	135	0	19.33			20.3	0.0	
100	PI2 BPSK	135	69	19.32			20.3	0.0	
100	PI2 BPSK	135	138	19.14			20.3	0.0	
100	PI2 BPSK	270	0	19.23			20.3	0.0	
100	QPSK	1	1	18.83					
100	QPSK	1	137	19.43					
100	QPSK	1	271	18.56				20.3	
100	QPSK	135	0	19.31					
100	QPSK	135	69	19.38					
100	QPSK	135	138	19.15					
100	QPSK	270	0	19.31			20.3	0.0	
100	16QAM	1	1	18.57			20.3	0.0	
100	64QAM	1	1	18.61			20.3	0.0	
100	256QAM	1	1	19.20			20.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3499	3499.98	3500.99	(dBm)	(dB)	
80	QPSK	1	1	18.57	18.62	18.69	20.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.52	18.62	18.72	20.3	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	18.76	18.81	18.86	20.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	18.90	18.99	18.87	20.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.99	(dBm)	(dB)	
40	QPSK	1	1	18.75	18.70	18.67	20.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	18.87	18.89	18.89	20.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.02	19.02	18.87	20.3	0.0	

Part27Q_n78(HPUE)_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				633332					
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1	21.52					
100	PI2 BPSK	1	137	22.23			23.3	0.0	
100	PI2 BPSK	1	271	21.35					
100	PI2 BPSK	135	0	22.16			23.3	0.0	
100	PI2 BPSK	135	69	22.21			23.3	0.0	
100	PI2 BPSK	135	138	22.07			23.3	0.0	
100	PI2 BPSK	270	0	22.12					
100	QPSK	1	1	21.47					
100	QPSK	1	137	22.36			23.3	0.0	
100	QPSK	1	271	21.35					
100	QPSK	135	0	22.17					
100	QPSK	135	69	22.32			23.3	0.0	
100	QPSK	135	138	22.03					
100	QPSK	270	0	22.24			23.3	0.0	
100	16QAM	1	1	21.73			23.3	0.0	
100	64QAM	1	1	21.67			23.3	0.0	
100	256QAM	1	1	20.34			21.8	1.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3474.99	(dBm)	(dB)	
50	QPSK	1	1	21.59	21.43	21.53	23.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3470	(dBm)	(dB)	
80	QPSK	1	1	21.56	21.55	21.60	23.3	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460	3469.98	3459.99	(dBm)	(dB)	
60	QPSK	1	1	21.77	21.71	21.65	23.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3469.99	(dBm)	(dB)	
50	QPSK	1	1	21.86	21.75	21.75	23.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3469.98	(dBm)	(dB)	
40	QPSK	1	1	21.57	21.59	21.63	23.3	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3454.99	(dBm)	(dB)	
30	QPSK	1	1	21.82	21.76	21.79	23.3	0.0	
Channel				630568	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1	21.98	21.95	21.95	23.3	0.0	

Part27O_n78_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	18.41					
100	PI2 BPSK	1	137	19.01			20.3	0.0	
100	PI2 BPSK	1	271	18.35					
100	PI2 BPSK	135	0	18.83			20.3	0.0	
100	PI2 BPSK	135	69	18.97			20.3	0.0	
100	PI2 BPSK	135	138	18.62			20.3	0.0	
100	PI2 BPSK	270	0	18.89					
100	QPSK	1	1	18.35					
100	QPSK	1	137	18.07			20.3	0.0	
100	QPSK	1	271	18.31					
100	QPSK	135	0	18.88					
100	QPSK	135	69	19.04			20.3	0.0	
100	QPSK	135	138	18.91					
100	QPSK	270	0	18.88			20.3	0.0	
100	16QAM	1	1	18.33			20.3	0.0	
100	64QAM	1	1	18.38			20.3	0.0	
100	256QAM	1	1	18.62			20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	18.35	18.35	18.31	20.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.32	18.34	18.32	20.3	0.0	
Channel				648998	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	18.56	18.51	18.54	20.3	0.0	
Channel				648664	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.67	18.58	18.65	20.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.44	18.51	18.44	20.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	18.61	18.63	18.65	20.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	18.88	18.75	18.84	20.3	0.0	

Part27O_n78(HPUE)_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					3750				
Frequency (MHz)									
100	PI2 BPSK	1	1	21.36					
100	PI2 BPSK	1	137	21.96			23.3	0.0	
100	PI2 BPSK	1	271	21.30					
100	PI2 BPSK	135	0	21.74			23.3	0.0	
100	PI2 BPSK	135	69	21.98			23.3	0.0	
100	PI2 BPSK	135	138	21.84			23.3	0.0	
100	PI2 BPSK	270	0	21.79					
100	QPSK	1	1	21.38					
100	QPSK	1	137	21.99			23.3	0.0	
100	QPSK	1	271	21.34					
100	QPSK	135	0	21.73					
100	QPSK	135	69	21.98			23.3	0.0	
100	QPSK	135	138	21.78					
100	QPSK	270	0	21.81			23.3	0.0	
100	16QAM	1	1	21.38			23.3	0.0	
100	64QAM	1	1	21.34			23.3	0.0	
100	256QAM	1	1	18.85			21.8	1.5	
Channel				649998	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	21.42	21.37	21.39	23.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	21.30	21.45	21.46	23.3	0.0	
Channel				648998	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	21.68	21.77	21.79	23.3	0.0	
Channel				648664	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	21.73	21.84	21.77	23.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.48	21.52	21.49	23.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	21.67	21.78	21.78	23.3	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	21.89	21.92	21.82	23.3	0.0	



Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	18.19			17.5	0.0	
100	PI2 BPSK	1	137	18.91					
100	PI2 BPSK	1	271	18.31					
100	PI2 BPSK	135	0	16.80			17.5	0.0	
100	PI2 BPSK	135	69	16.88			17.5	0.0	
100	PI2 BPSK	135	138	16.87			17.5	0.0	
100	PI2 BPSK	270	0	16.82			17.5	0.0	
100	QPSK	1	1	16.23					
100	QPSK	1	137	16.96					
100	QPSK	1	271	16.33			17.5	0.0	
100	QPSK	135	0	16.75					
100	QPSK	135	69	16.91					
100	QPSK	135	138	16.86			17.5	0.0	
100	QPSK	270	0	16.88					
100	16QAM	1	1	16.00			17.5	0.0	
100	64QAM	1	1	15.98			17.5	0.0	
100	256QAM	1	1	16.58			17.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3450	3499.98	3549.98			
50	QPSK	1	1	15.62	15.75	16.00	17.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3450.02	3499.98	3510			
80	QPSK	1	1	15.95	15.82	15.99	17.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.12	16.06	16.16	17.5	0.0	
Channel				631068	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	16.02	16.00	16.00	17.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.40	16.52	16.52	17.5	0.0	

Part27Q_n77(HPUe)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)									
100	PI2 BPSK	1	1	19.25			20.5	0.0	
100	PI2 BPSK	1	137	19.94					
100	PI2 BPSK	1	271	19.34					
100	PI2 BPSK	135	0	19.89			20.5	0.0	
100	PI2 BPSK	135	69	19.91			20.5	0.0	
100	PI2 BPSK	135	138	19.95			20.5	0.0	
100	PI2 BPSK	270	0	19.91			20.5	0.0	
100	QPSK	1	1	19.23					
100	QPSK	1	137	20.05					
100	QPSK	1	271	19.31			20.5	0.0	
100	QPSK	135	0	19.91					
100	QPSK	135	69	20.00					
100	QPSK	135	138	19.93			20.5	0.0	
100	QPSK	270	0	19.95					
100	16QAM	1	1	19.50			20.5	0.0	
100	64QAM	1	1	19.38			20.5	0.0	
100	256QAM	1	1	19.34			20.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3450	3499.98	3549.99			
50	QPSK	1	1	19.46	19.49	19.55	20.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3450.02	3499.98	3510			
80	QPSK	1	1	19.42	19.47	19.52	20.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	19.59	19.61	19.55	20.5	0.0	
Channel				631068	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	19.52	19.54	19.63	20.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.70	19.72	19.79	20.5	0.0	

Part27O_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	18.03	18.09	18.04	17.5	0.0	
100	PI2 BPSK	1	137	18.86	18.92	18.89			
100	PI2 BPSK	1	271	18.37	18.34	18.39			
100	PI2 BPSK	135	0	16.77	16.74	16.78	17.5	0.0	
100	PI2 BPSK	135	69	16.92	16.89	16.89	17.5	0.0	
100	PI2 BPSK	135	138	16.82	16.84	16.81	17.5	0.0	
100	PI2 BPSK	270	0	16.79	16.75	16.87			
100	QPSK	1	1	15.98	16.03	16.03			
100	QPSK	1	137	16.85	16.96	16.85	17.5	0.0	
100	QPSK	1	271	16.21	16.30	16.35	17.5	0.0	
100	QPSK	135	0	16.62	16.70	16.63			
100	QPSK	135	69	16.86	16.94	16.92			
100	QPSK	135	138	16.76	16.85	16.74	17.5	0.0	
100	QPSK	270	0	16.68	16.69	16.75			
100	16QAM	1	1	15.73	15.68	15.93	17.5	0.0	
100	64QAM	1	1	15.98	15.89	15.78	17.5	0.0	
100	256QAM	1	1	16.39	16.42	16.36	17.5	0.0	
Channel				649998	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
50	QPSK	1	1	16.13	16.16	16.09	17.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	16.33	16.32	16.37	17.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	16.48	16.51	16.52	17.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
40	QPSK	1	1	16.52	16.57	16.53	17.5	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3940			
20	QPSK	1	1	16.27	16.33	16.36	17.5	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.47	16.60	16.61	17.5	0.0	

Part270_n77(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)				19.11	19.09	19.01			
100	PI2 BPSK	1	1	19.11	19.09	19.01			
100	PI2 BPSK	1	137	19.89	19.93	19.84	20.5	0.0	
100	PI2 BPSK	1	271	19.24	19.35	19.43			
100	PI2 BPSK	135	0	19.63	19.76	19.81	20.5	0.0	
100	PI2 BPSK	135	69	19.85	19.84	19.88	20.5	0.0	
100	PI2 BPSK	135	138	19.78	19.91	19.78			
100	PI2 BPSK	270	0	19.82	19.82	19.83	20.5	0.0	
100	QPSK	1	1	19.06	19.06	18.96			
100	QPSK	1	137	19.78	19.96	19.85	20.5	0.0	
100	QPSK	1	271	19.15	19.22	19.23			
100	QPSK	135	0	19.72	19.72	19.67			
100	QPSK	135	69	19.74	19.96	19.90	20.5	0.0	
100	QPSK	135	138	19.66	19.87	19.78			
100	QPSK	270	0	19.82	19.82	19.86	20.5	0.0	
100	16QAM	1	1	19.21	19.23	19.19	20.5	0.0	
100	64QAM	1	1	19.22	19.20	19.21	20.5	0.0	
100	256QAM	1	1	18.99	19.11	19.05	20.5	0.0	
Channel				649986	650000	662332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.92	3840	3934.06	(dBm)	(dB)	
50	QPSK	1	1	19.24	19.22	19.26	20.5	0.0	
Channel				649334	650000	662096	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3930.99	(dBm)	(dB)	
80	QPSK	1	1	19.34	19.22	19.21	20.5	0.0	
Channel				649986	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.29	19.34	19.33	20.5	0.0	
Channel				649334	650000	660996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3752.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.39	19.40	19.43	20.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3752	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.20	19.33	19.37	20.5	0.0	
Channel				647234	650000	664996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.37	19.49	19.56	20.5	0.0	

Part27Q_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	6499.98			
Frequency (MHz)				18.48					
100	PI2 BPSK	1	1	18.48					
100	PI2 BPSK	1	137	17.27	2024.89		18.0	0.0	
100	PI2 BPSK	1	271	18.56					
100	PI2 BPSK	135	0	17.03			18.0	0.0	
100	PI2 BPSK	135	69	17.23			18.0	0.0	
100	PI2 BPSK	135	138	17.14					
100	PI2 BPSK	270	0	17.09			18.0	0.0	
100	QPSK	1	1	16.87					
100	QPSK	1	137	17.40			18.0	0.0	
100	QPSK	1	271	16.91					
100	QPSK	135	0	17.67					
100	QPSK	135	69	17.26			18.0	0.0	
100	QPSK	135	138	17.18					
100	QPSK	270	0	17.24			18.0	0.0	
100	16QAM	1	1	17.67			18.0	0.0	
100	64QAM	1	1	17.62			18.0	0.0	
100	256QAM	1	1	17.09			18.0	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	18.22	18.24	18.17	18.0	0.0	
Channel				632698	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.20	18.31	18.23	18.0	0.0	
Channel				632000	633332	634696	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	18.41	18.50	18.47	18.0	0.0	
Channel				631698	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	18.65	18.69	18.65	18.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.99	(dBm)	(dB)	
40	QPSK	1	1	18.85	18.89	18.91	18.0	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	18.56	18.69	18.73	18.0	0.0	
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	17.10	17.13	17.12	18.0	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	6499.98			
Frequency (MHz)				18.52					
100	PI2 BPSK	1	1	18.52					
100	PI2 BPSK	1	137	20.30			21.0	0.0	
100	PI2 BPSK	1	271	18.60					
100	PI2 BPSK	135	0	20.15			21.0	0.0	
100	PI2 BPSK	135	69	20.28			21.0	0.0	
100	PI2 BPSK	135	138	20.26					
100	PI2 BPSK	270	0	20.19			21.0	0.0	
100	QPSK	1	1	19.47					
100	QPSK	1	137	20.37			21.0	0.0	
100	QPSK	1	271	19.54					
100	QPSK	135	0	20.16					
100	QPSK	135	69	20.34			21.0	0.0	
100	QPSK	135	138	20.21					
100	QPSK	270	0	20.30			21.0	0.0	
100	16QAM	1	1	19.78			21.0	0.0	
100	64QAM	1	1	19.70			21.0	0.0	
100	256QAM	1	1	18.65			21.0	0.0	
Channel				633000	633332	633996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
50	QPSK	1	1	19.25	19.40	19.19	21.0	0.0	
Channel				632698	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.02	19.17	19.31	21.0	0.0	
Channel				632000	633332	634696	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	19.52	19.48	19.59	21.0	0.0	
Channel				631698	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)	
50	QPSK	1	1	19.43	19.59	19.62	21.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3503.99	(dBm)	(dB)	
40	QPSK	1	1	19.34	19.39	19.42	21.0	0.0	
Channel				631000	633332	635996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	19.84	19.88	19.89	21.0	0.0	
Channel				630698	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	20.05	19.96	20.11	21.0	0.0	

Part27O_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				18.50					
100	PI2 BPSK	1	1				18.0	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				18.0	0.0	
100	PI2 BPSK	135	69				18.0	0.0	
100	PI2 BPSK	135	138				18.0	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				18.0	0.0	
100	QPSK	1	271						
100	QPSK	135	0				18.0	0.0	
100	QPSK	135	69						
100	QPSK	135	138						
100	QPSK	270	0				18.0	0.0	
100	16QAM	1	1				18.0	0.0	
100	64QAM	1	1				18.0	0.0	
100	256QAM	1	1				18.0	0.0	
Channel				64988	65000	65032	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	16.45	16.43	16.53	18.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	16.65	16.57	16.69	18.0	0.0	
Channel				649956	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	16.79	16.88	16.85	18.0	0.0	
Channel				649334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	17.02	17.08	17.14	18.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	16.74	16.86	16.91	18.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	16.96	17.02	17.18	18.0	0.0	
Channel				647234	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	17.14	17.19	17.32	18.0	0.0	

Part27O_n78(HPUE)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				19.58					
100	PI2 BPSK	1	1				21.0	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				21.0	0.0	
100	PI2 BPSK	135	69				21.0	0.0	
100	PI2 BPSK	135	138				21.0	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				21.0	0.0	
100	QPSK	1	271						
100	QPSK	135	0				21.0	0.0	
100	QPSK	135	69						
100	QPSK	135	138						
100	QPSK	270	0				21.0	0.0	
100	16QAM	1	1				21.0	0.0	
100	64QAM	1	1				21.0	0.0	
100	256QAM	1	1				21.0	0.0	
Channel				64988	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	19.38	19.48	19.59	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.50	19.51	19.59	21.0	0.0	
Channel				64988	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.74	19.75	19.75	21.0	0.0	
Channel				649334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.86	19.93	19.95	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.65	19.65	19.75	21.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.93	19.94	20.00	21.0	0.0	
Channel				647234	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	20.12	20.15	20.08	21.0	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3499.98					
Frequency (MHz)				16.00					
100	PI2 BPSK	1	1				17.3	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				17.3	0.0	
100	PI2 BPSK	135	69				17.3	0.0	
100	PI2 BPSK	135	138				17.3	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1						
100	QPSK	1	137				17.3	0.0	
100	QPSK	1	271						
100	QPSK	135	0				17.3	0.0	
100	QPSK	135	69						
100	QPSK	135	138						
100	QPSK	270	0				17.3	0.0	
100	16QAM	1	1				17.3	0.0	
100	64QAM	1	1				17.3	0.0	
100	256QAM	1	1				17.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490	3499.98	3509.98	(dBm)	(dB)	
50	QPSK	1	1	15.75	15.83	15.86	17.3	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.73	15.87	15.88	17.3	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dBm)	(dB)	
60	QPSK	1	1	16.03	16.00	15.93	17.3	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.01	(dBm)	(dB)	
50	QPSK	1	1	16.14	16.04	16.01	17.3	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3520.01	(dBm)	(dB)	
40	QPSK	1	1	15.90	15.95	15.89	17.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.35	16.23	16.21	17.3	0.0	

Part27Q_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3469.98					
100	PI2 BPSK	1	1	18.76			20.3	0.0	
100	PI2 BPSK	1	137	18.43					
100	PI2 BPSK	1	271	18.77					
100	PI2 BPSK	135	0	19.30			20.3	0.0	
100	PI2 BPSK	135	69	18.48			20.3	0.0	
100	PI2 BPSK	135	138	19.22			20.3	0.0	
100	PI2 BPSK	270	0	19.29			20.3	0.0	
100	QPSK	1	1	18.83					
100	QPSK	1	137	19.55					
100	QPSK	1	271	18.69			20.3	0.0	
100	QPSK	135	0	19.44					
100	QPSK	135	69	19.51					
100	QPSK	135	138	19.34			20.3	0.0	
100	QPSK	270	0	19.47					
100	16QAM	1	1	18.91			20.3	0.0	
100	64QAM	1	1	18.83			20.3	0.0	
100	256QAM	1	1	18.76			20.3	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3474.99	(dB)		
50	QPSK	1	1	18.64	18.73	18.84	20.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3470	(dB)		
80	QPSK	1	1	18.76	18.81	18.86	20.3	0.0	
Channel				625500	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460	3469.98	3470.99	(dB)		
60	QPSK	1	1	18.93	18.92	19.03	20.3	0.0	
Channel				631068	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.92	3469.98	3465	(dB)		
50	QPSK	1	1	19.07	19.11	19.10	20.3	0.0	
Channel				631334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3463.98	(dB)		
40	QPSK	1	1	18.79	18.81	18.92	20.3	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dB)		
20	QPSK	1	1	19.29	19.22	19.31	20.3	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	15.96	15.71	15.60	17.3	0.0	
100	PI2 BPSK	1	137	16.33	16.18	16.18			
100	PI2 BPSK	1	271	15.57	15.51	15.50			
100	PI2 BPSK	135	0	16.32	16.15	16.11	17.3	0.0	
100	PI2 BPSK	135	69	16.34	16.21	16.19	17.3	0.0	
100	PI2 BPSK	135	138	16.13	15.98	15.92	17.3	0.0	
100	PI2 BPSK	270	0	16.31	16.21	16.15			
100	QPSK	1	1	15.91	15.84	15.79			
100	QPSK	1	137	16.47	16.26	16.13	17.3	0.0	
100	QPSK	1	271	15.55	15.51	15.50	17.3	0.0	
100	QPSK	135	0	16.41	16.26	16.08			
100	QPSK	135	69	16.44	16.27	16.15			
100	QPSK	135	138	16.17	16.02	16.08	17.3	0.0	
100	QPSK	270	0	16.41	16.29	16.22			
100	16QAM	1	1	16.10	16.07	15.87	17.3	0.0	
100	64QAM	1	1	16.11	15.82	16.03	17.3	0.0	
100	256QAM	1	1	16.13	16.07	15.84	17.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
50	QPSK	1	1	15.79	15.58	15.50	17.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3936.99	(dB)		
80	QPSK	1	1	15.95	15.71	16.23	17.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3940.98	(dB)		
60	QPSK	1	1	16.06	15.85	15.72	17.3	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	QPSK	1	1	16.27	15.93	15.79	17.3	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725	3840	3954	(dB)		
40	QPSK	1	1	15.35	15.69	15.62	17.3	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dB)		
20	QPSK	1	1	16.29	16.15	15.83	17.3	0.0	

Part27O_n77(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.70	18.54	18.58	20.3	0.0	
100	PI2 BPSK	1	137	19.34	19.32	19.33			
100	PI2 BPSK	1	271	18.82	18.50	18.50			
100	PI2 BPSK	135	0	19.31	19.22	19.24	20.3	0.0	
100	PI2 BPSK	135	69	19.26	19.26	19.25	20.3	0.0	
100	PI2 BPSK	135	138	19.09	19.11	19.06	20.3	0.0	
100	PI2 BPSK	270	0	19.12	19.04	19.03			
100	QPSK	1	1	18.61	18.50	18.50			
100	QPSK	1	137	19.36	19.25	19.20	20.3	0.0	
100	QPSK	1	271	18.55	18.57	18.53	20.3	0.0	
100	QPSK	135	0	19.31	19.26	19.24			
100	QPSK	135	69	19.35	19.25	19.25			
100	QPSK	135	138	19.09	19.11	19.06	20.3	0.0	
100	QPSK	270	0	19.16	19.14	19.12			
100	16QAM	1	1	18.83	18.84	18.73	20.3	0.0	
100	64QAM	1	1	18.77	18.87	18.87	20.3	0.0	
100	256QAM	1	1	18.69	18.86	18.89	20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dB)		
50	QPSK	1	1	18.62	18.56	18.51	20.3	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3936.99	(dB)		
80	QPSK	1	1	18.81	18.68	18.56	20.3	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3750.02	3840	3940.98	(dB)		
60	QPSK	1	1	18.86	18.81	18.56	20.3	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dB)		
50	QPSK	1	1	19.03	18.82	18.60	20.3	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725	3840	3954	(dB)		
40	QPSK	1	1	18.85	18.60	18.55	20.3	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dB)		
20	QPSK	1	1	19.09	18.97	18.73	20.3	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3489.98	17.3	0.0	
Frequency (MHz)				3489.98					
100	Pl2 BPSK	1	1	15.90					
100	Pl2 BPSK	1	137	16.49					
100	Pl2 BPSK	1	271	15.75			17.3	0.0	
100	Pl2 BPSK	135	0	16.44					
100	Pl2 BPSK	135	69	16.56					
100	Pl2 BPSK	135	138	16.34					
100	Pl2 BPSK	270	0	16.36			17.3	0.0	
100	QPSK	1	1	15.88					
100	QPSK	1	137	16.56					
100	QPSK	1	271	15.79			17.3	0.0	
100	QPSK	135	0	16.47					
100	QPSK	135	69	16.54					
100	QPSK	135	138	16.37					
100	QPSK	270	0	16.49			17.3	0.0	
100	ISQAM	1	1	15.67					
100	ISQAM	1	1	15.68					
100	256QAM	1	1	16.31			17.3	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3486	3489.98	3493.98			
90	QPSK	1	1	15.68	15.92	15.79	17.3	0.0	
Channel				632668	633332	634000	17.3	0.0	
Frequency (MHz)				3480.02	3489.98	3510			
80	QPSK	1	1	15.70	15.96	15.77		0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3489.98	3519.99			
60	QPSK	1	1	16.24	16.21	16.23	17.3	0.0	
Channel				631668	633332	635000	17.3	0.0	
Frequency (MHz)				3476.02	3489.98	3505			
50	QPSK	1	1	16.33	16.25	16.35		0.0	
Channel				631334	633332	636332			
Frequency (MHz)				3470.01	3489.98	3523.98	17.3	0.0	
40	QPSK	1	1	16.02	16.08	16.16			
Channel				631000	633332	636666			
Frequency (MHz)				3465	3489.98	3534.99			
30	QPSK	1	1	16.27	16.33	16.27	17.3	0.0	
Channel				630668	633332	637000	17.3	0.0	
Frequency (MHz)				3460.02	3489.98	3540			
20	QPSK	1	1	16.36	16.44	16.48		0.0	

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3489.98	20.3	0.0	
Frequency (MHz)				3489.98					
100	Pl2 BPSK	1	1	18.54					
100	Pl2 BPSK	1	137	19.46					
100	Pl2 BPSK	1	271	18.40			20.3	0.0	
100	Pl2 BPSK	135	0	19.28					
100	Pl2 BPSK	135	69	19.35					
100	Pl2 BPSK	135	138	19.19					
100	Pl2 BPSK	270	0	19.25			20.3	0.0	
100	QPSK	1	1	18.92					
100	QPSK	1	137	19.47					
100	QPSK	1	271	18.92			20.3	0.0	
100	QPSK	135	0	19.28					
100	QPSK	135	69	19.44					
100	QPSK	135	138	19.25					
100	QPSK	270	0	19.37			20.3	0.0	
100	ISQAM	1	1	18.79					
100	ISQAM	1	1	18.72					
100	256QAM	1	1	18.63			20.3	0.0	
Channel				633000	633332	633666			
Frequency (MHz)				3486	3489.98	3493.98			
90	QPSK	1	1	18.33	18.49	18.38	20.3	0.0	
Channel				632668	633332	634000	20.3	0.0	
Frequency (MHz)				3480.02	3489.98	3510			
80	QPSK	1	1	18.54	18.57	18.57		0.0	
Channel				632000	633332	634666			
Frequency (MHz)				3480	3489.98	3519.99			
60	QPSK	1	1	18.92	18.79	18.69	20.3	0.0	
Channel				631668	633332	635000	20.3	0.0	
Frequency (MHz)				3476.02	3489.98	3505			
50	QPSK	1	1	18.92	18.86	18.92		0.0	
Channel				631334	633332	636332			
Frequency (MHz)				3470.01	3489.98	3523.98	20.3	0.0	
40	QPSK	1	1	18.07	18.09	18.62			
Channel				631000	633332	636666			
Frequency (MHz)				3465	3489.98	3534.99			
30	QPSK	1	1	18.77	18.81	18.80	20.3	0.0	
Channel				630668	633332	637000	20.3	0.0	
Frequency (MHz)				3460.02	3489.98	3540			
20	QPSK	1	1	19.04	18.92	18.89		0.0	

Part27O_n78_Ant 6												
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				3750			17.3	0.0				
Frequency (MHz)												
100	PI2 BPSK	1	1	15.76								
100	PI2 BPSK	1	137	16.31								
100	PI2 BPSK	1	271	15.46			17.3	0.0				
100	PI2 BPSK	135	0	16.32								
100	PI2 BPSK	135	69	16.42								
100	PI2 BPSK	135	138	16.20								
100	PI2 BPSK	270	0	16.29			17.3	0.0				
100	QPSK	1	1	15.74								
100	QPSK	1	137	16.45								
100	QPSK	1	271	15.42								
100	QPSK	135	0	16.30			17.3	0.0				
100	QPSK	135	69	16.43								
100	QPSK	135	138	16.19								
100	QPSK	270	0	16.36								
100	16QAM	1	1	15.48			17.3	0.0				
100	64QAM	1	1	15.54								
100	256QAM	1	1	16.15								
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3745.02	3750	3764.88	(dBm)					
90	QPSK	1	1	15.86	15.70	15.77	17.3	0.0				
Channel				649334	650000	650066	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3740.01	3750	3759.99	(dBm)					
80	QPSK	1	1	16.00	16.00	16.03	17.3	0.0				
Channel				649998	650000	650332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3750.02	3750	3769.98	(dBm)					
60	QPSK	1	1	16.11	16.14	16.12	17.3	0.0				
Channel				649334	650000	651966	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3725.01	3750	3774.99	(dBm)					
50	QPSK	1	1	16.25	16.22	16.27	17.3	0.0				
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3720	3750	3760	(dBm)					
40	QPSK	1	1	16.02	16.04	16.06	17.3	0.0				
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3715.02	3750	3764.98	(dBm)					
30	QPSK	1	1	16.30	16.28	16.24	17.3	0.0				
Channel				647234	650000	652066	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3710.01	3750	3769.99	(dBm)					
20	QPSK	1	1	16.40	16.36	16.37	17.3	0.0				

Part27O_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750			20.3	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1	18.42					
100	PI2 BPSK	1	137	19.35					
100	PI2 BPSK	1	271	18.45			20.3	0.0	
100	PI2 BPSK	135	0	19.23					
100	PI2 BPSK	135	69	19.21					
100	PI2 BPSK	135	138	19.10					
100	PI2 BPSK	270	0	19.17			20.3	0.0	
100	QPSK	1	1	18.46					
100	QPSK	1	137	19.35					
100	QPSK	1	271	18.41					
100	QPSK	135	0	19.24			20.3	0.0	
100	QPSK	135	69	19.33					
100	QPSK	135	138	19.06					
100	QPSK	270	0	19.28					
100	16QAM	1	1	18.61			20.3	0.0	
100	64QAM	1	1	18.57					
100	256QAM	1	1	18.82					
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	18.50	18.57	18.59	20.3	0.0	
Channel				649334	650000	650066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.63	18.66	18.58	20.3	0.0	
Channel				649998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	18.63	18.70	18.86	20.3	0.0	
Channel				649334	650000	651966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.86	18.92	19.07	20.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1	18.53	18.59	18.56	20.3	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3764.98	(dBm)	(dB)	
30	QPSK	1	1	18.74	18.75	18.83	20.3	0.0	
Channel				647234	650000	652066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3769.99	(dBm)	(dB)	
20	QPSK	1	1	18.99	18.99	18.95	20.3	0.0	

[illegible]

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth Ant7	CH 0	2402	14.72	14.81	15.36	12.55	12.20	12.04	12.58	12.25	12.19	17.00
	CH 39	2441	15.35	15.41	15.73	12.96	12.90	12.76	12.91	12.86	12.83	
	CH 78	2480	15.47	15.68	15.82	13.16	12.83	12.77	13.22	12.82	12.79	

BLE 1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	6.51	6.78
	CH 19	2440	7.62	7.79
	CH 39	2480	8.18	8.28
Tune-up Limit			8.50	8.50