

Full&Default Power

GSM900_Art 0		Burst Average Power (dBm)			Frame Average Power (dBm)			
Tx Channel		128	189	251	Tune-up Limit (dBm)		Tune-up Limit (dBm)	
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		32.28	32.26	32.27	33.50	23.28	23.26	23.27 24.50
GPRS 1 Tx slot		32.24	32.24	32.17	33.50	23.24	23.24	23.17 24.50
GPRS 2 Tx slots		30.68	30.69	30.59	32.00	24.68	24.69	24.59 26.00
GPRS 3 Tx slots		29.28	29.26	29.16	30.00	25.02	25.00	24.90 25.74
GPRS 4 Tx slots		26.69	26.69	26.65	28.00	23.69	23.69	23.65 25.00
EDGE(GMSK 1 Tx slot)		32.14	32.17	32.07	33.50	23.14	23.17	23.07 24.50
EDGE(GMSK 2 Tx slot)		30.62	30.60	30.49	32.00	24.62	24.60	24.49 26.00
EDGE(GMSK 3 Tx slot)		28.18	28.13	28.08	30.00	23.92	23.87	23.82 25.74
EDGE(GMSK 4 Tx slot)		26.58	26.63	26.57	28.00	23.58	23.63	23.57 25.00
EDGE(BPSK 1 Tx slot)		26.57	26.59	26.57	28.50	17.57	17.59	17.57 19.50
EDGE(BPSK 2 Tx slot)		24.52	24.58	24.53	26.50	18.52	18.58	18.53 20.50
EDGE(BPSK 3 Tx slot)		22.52	22.56	22.55	24.50	18.26	18.40	18.26 20.24
EDGE(BPSK 4 Tx slot)		22.00	22.11	22.05	22.50	19.00	19.11	19.05 19.50

GSM900_Art 1		Burst Average Power (dBm)			Frame Average Power (dBm)			
Tx Channel		128	169	251	Tune-up Limit (dBm)		Tune-up Limit (dBm)	
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		31.61	31.77	31.91	33.50	22.61	22.77	22.91
GPRS 1 Tx slot		31.53	31.67	31.89	33.50	22.53	22.67	22.89
GPRS 2 Tx slots		30.01	30.22	30.21	32.00	24.01	24.22	24.21
GPRS 3 Tx slots		28.31	28.46	28.67	30.00	24.05	24.20	24.41
GPRS 4 Tx slots		26.05	26.15	26.36	28.00	23.05	23.15	23.36
EDGE(GMSK 1 Tx slot)		31.66	31.62	31.75	33.50	22.66	22.62	22.75
EDGE(GMSK 2 Tx slot)		30.12	30.03	30.16	32.00	24.12	24.03	24.16
EDGE(GMSK 3 Tx slot)		28.46	28.58	28.75	30.00	24.20	24.32	24.49
EDGE(GMSK 4 Tx slot)		26.18	26.07	26.24	28.00	23.18	23.07	23.24
EDGE(BPSK 1 Tx slot)		26.53	26.51	26.56	28.50	17.53	17.51	17.56
EDGE(BPSK 2 Tx slot)		24.45	24.42	24.50	26.50	18.55	18.62	18.60
EDGE(BPSK 3 Tx slot)		22.79	22.70	22.79	24.50	18.53	18.44	18.53
EDGE(BPSK 4 Tx slot)		22.12	22.06	22.11	22.50	19.12	19.06	19.11

GSM1900_Art 0		Burst Average Power (dBm)			Frame Average Power (dBm)				
Tx Channel		512	661	910	Tune-up Limit (dBm)	512	661	910	Tune-up Limit (dBm)
Frequency (MHz)		1892.2	1890	1908.8		1892.2	1890	1908.8	
GSM 1 Tx slot		29.51	29.82	29.50	30.50	20.51	20.82	20.50	21.60
GPRS 1 Tx slot		29.49	29.79	29.48	30.50	20.49	20.79	20.48	21.60
GPRS 2 Tx slots		27.90	28.07	27.97	29.00	21.90	22.07	21.97	23.00
GPRS 3 Tx slots		26.30	26.57	26.28	27.00	22.04	22.31	22.02	22.74
GPRS 4 Tx slots		23.92	24.15	23.91	25.00	20.92	21.15	20.91	22.00
EDGE(GMSK 1 Tx slot)		26.56	26.70	26.36	30.50	20.36	20.70	20.36	21.60
EDGE(GMSK 2 Tx slot)		27.65	27.91	27.72	29.00	21.65	21.91	21.72	23.00
EDGE(GMSK 3 Tx slot)		26.21	26.47	26.19	27.00	21.95	22.21	21.93	22.74
EDGE(GMSK 4 Tx slot)		23.77	23.99	23.80	25.00	20.77	20.99	20.80	22.00
EDGE(BPSK 1 Tx slot)		25.88	25.84	25.89	27.50	18.88	18.84	18.89	18.50
EDGE(BPSK 2 Tx slot)		24.05	24.21	24.08	25.50	18.05	18.21	18.08	19.50
EDGE(BPSK 3 Tx slot)		22.24	22.32	22.17	23.50	17.98	18.06	17.91	19.24
EDGE(BPSK 4 Tx slot)		20.75	20.89	20.77	21.50	17.75	17.89	17.77	18.50

GSM1900_Art 1		Burst Average Power (dBm)			Frame Average Power (dBm)				
Tx Channel		512	661	910	Tune-up Limit (dBm)	512	661	910	Tune-up Limit (dBm)
Frequency (MHz)		1890.2	1890	1890.8		1890.2	1890	1890.8	
GSM 1 Tx slot		29.86	29.89	29.67	30.50	20.86	20.89	20.67	21.50
GPRS 1 Tx slot		29.70	29.88	29.59	30.50	20.70	20.88	20.59	21.50
GPRS 2 Tx slots		28.18	28.37	28.14	29.00	22.18	22.37	22.14	23.00
GPRS 3 Tx slots		26.68	26.89	26.71	27.00	22.42	22.63	22.45	22.74
GPRS 4 Tx slots		24.12	24.33	24.19	25.00	21.12	21.33	21.19	22.00
EDGE(GMSK 1 Tx slot)		28.04	28.79	28.50	30.50	20.64	20.79	20.50	21.50
EDGE(GMSK 2 Tx slot)		28.08	28.26	28.05	29.00	22.08	22.26	22.05	23.00
EDGE(GMSK 3 Tx slot)		26.56	26.77	26.59	27.00	22.30	22.51	22.33	22.74
EDGE(GMSK 4 Tx slot)		23.98	24.22	24.08	25.00	20.98	21.22	21.08	22.00
EDGE(BPSK 1 Tx slot)		25.61	25.73	25.57	27.50	16.61	16.73	16.57	18.50
EDGE(BPSK 2 Tx slot)		24.52	24.58	24.51	25.50	18.52	18.58	18.51	19.50
EDGE(BPSK 3 Tx slot)		22.43	22.57	22.52	23.50	18.17	18.31	18.26	19.24
EDGE(BPSK 4 Tx slot)		21.09	21.25	21.19	21.50	18.08	18.25	18.19	18.50

Band		WCDMA II_Art 0			WCDMA II_Art 1			
Tx Channel		9262	9400	9538	Tune-up Limit (dBm)		Tune-up Limit (dBm)	
Rx Channel		9602	9600	9598	Limit (dBm)		Limit (dBm)	
Frequency (MHz)		1862.4	1860	1857.6	1862.4	1860	1857.6	
3GPP Rel 99	AMR 12.2Kbps	23.55	23.57	23.50	24.50	23.65	23.69	24.50
3GPP Rel 99	RMC 12.2Kbps	23.57	23.58	23.53	24.50	23.74	23.71	24.50
3GPP Rel 6	HSSPA Subtest-1	22.51	22.76	22.79	24.50	22.78	22.89	24.50
3GPP Rel 6	HSSPA Subtest-2	22.53	22.72	22.81	24.50	22.81	23.00	24.50
3GPP Rel 6	HSSPA Subtest-3	22.09	22.28	22.32	24.00	22.34	22.52	24.00
3GPP Rel 6	HSSPA Subtest-4	22.06	22.21	22.26	24.00	22.30	22.46	24.00
3GPP Rel 6	DCHSDPA Subtest-1	22.55	22.63	22.74	24.50	22.66	22.86	24.50
3GPP Rel 6	DCHSDPA Subtest-2	22.59	22.61	22.67	24.50	22.74	22.92	24.50
3GPP Rel 6	DCHSDPA Subtest-3	22.24	22.16	22.27	24.00	22.22	22.39	24.00
3GPP Rel 6	DCHSDPA Subtest-4	22.06	22.11	22.20	24.00	22.19	22.35	24.00
3GPP Rel 6	HSUPA Subtest-1	22.58	22.72	22.79	24.50	22.56	22.72	24.50
3GPP Rel 6	HSUPA Subtest-2	21.52	21.72	21.81	22.50	21.80	21.98	22.50
3GPP Rel 6	HSUPA Subtest-3	22.54	22.73	22.81	23.50	22.84	23.00	22.87
3GPP Rel 6	HSUPA Subtest-4	21.06	21.22	21.28	22.50	21.33	21.53	21.54
3GPP Rel 6	HSUPA Subtest-5	22.50	22.70	22.80	24.50	22.80	23.00	23.00
3GPP Rel 7	HSUPA+ (16QAM) Subtest-1	21.47	21.58	21.66	22.50	21.74	21.83	21.84

Band		WCDMA IV_Art 0			WCDMA IV_Art 1				
Tx Channel		1312	1413	1513	Tune-up Limit (dBm)		Tune-up Limit (dBm)		
Rx Channel		1537	1638	1738	Limit (dBm)		Limit (dBm)		
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.28	23.37	23.23	24.50	23.59	23.67	23.48	24.50
3GPP Rel 99	RMC 12.2Kbps	23.32	23.42	23.26	24.50	23.64	23.68	23.63	24.50
3GPP Rel 6	HSDPA Subtest-1	22.06	22.88	22.85	24.50	22.84	22.88	22.86	24.50
3GPP Rel 6	HSDPA Subtest-2	22.66	22.55	22.58	24.50	22.53	22.80	22.67	24.50
3GPP Rel 6	HSDPA Subtest-3	22.18	22.67	22.14	24.00	22.04	22.14	22.05	24.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.05	22.14	24.00	22.03	22.11	22.03	24.00
3GPP Rel 6	DCHSDPA Subtest-1	22.62	22.67	22.63	24.50	22.59	22.66	22.58	24.50
3GPP Rel 6	DCHSDPA Subtest-2	22.56	22.66	22.52	24.50	22.60	22.66	22.51	24.50
3GPP Rel 6	DCHSDPA Subtest-3	22.12	22.16	22.07	24.00	22.12	22.08	22.14	24.00
3GPP Rel 6	DCHSDPA Subtest-4	22.02	22.15	22.03	24.00	22.17	22.00	22.13	24.00
3GPP Rel 6	HSUPA Subtest-1	22.52	22.54	22.51	24.50	22.52	22.55	22.53	24.50
3GPP Rel 6	HSUPA Subtest-2	21.37	21.44	21.31	22.50	21.54	21.65	21.49	22.50
3GPP Rel 6	HSUPA Subtest-3	22.39	22.48	22.36	23.50	22.59	22.64	22.47	23.50
3GPP Rel 6	HSUPA Subtest-4	20.89	20.93	20.90	22.00	21.10	21.14	21.01	22.00
3GPP Rel 6	HSUPA Subtest-5	22.55	22.56	22.53	24.50	22.60	22.60	22.50	24.50
3GPP Rel 7	HSUPA+ (16QAM) Subtest-1	21.21	21.29	21.25	22.50	21.40	21.59	21.38	22.50

Band		WCDMA V_Art 0			WCDMA V_Art 1				
Tx Channel		4132	4182	4232	Tune-up Limit (dBm)		Tune-up Limit (dBm)		
Rx Channel		4357	4407	4458	Limit (dBm)		Limit (dBm)		
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.66	23.65	23.56	24.50	23.47	23.48	23.45	24.50
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.58	24.50	23.49	23.50	23.46	24.50
3GPP Rel 6	HSDPA Subtest-1	22.52	22.54	22.51	24.50	22.56	22.52	22.50	24.50
3GPP Rel 6	HSDPA Subtest-2	22.55	22.52	22.51	24.50	22.59	22.54	22.52	24.50
3GPP Rel 6	HSDPA Subtest-3	22.11	22.05	22.03	23.50	22.15	22.13	22.05	23.50
3GPP Rel 6	HSDPA Subtest-4	22.08	22.01	22.02	23.50	22.08	22.10	22.02	23.50
3GPP Rel 6	DCHSDPA Subtest-1	22.67	22.65	22.57	24.50	22.65	22.57	22.57	24.50
3GPP Rel 6	DCHSDPA Subtest-2	22.65	22.57	22.55	24.50	22.67	22.68	22.58	24.50
3GPP Rel 6	DCHSDPA Subtest-3	22.05	21.90	21.95	23.50	22.09	22.08	21.90	23.50
3GPP Rel 8	DCHSDPA Subtest-4	22.02	21.90	21.96	23.50	21.93	21.94	21.89	23.50
3GPP Rel 6	HSUPA Subtest-1	22.50	22.59	22.57	24.50	22.55	22.56	22.52	24.50
3GPP Rel 6	HSUPA Subtest-2	21.43	21.50	21.45	23.50	21.56	21.53	21.60	23.50
3GPP Rel 6	HSUPA Subtest-3	22.50	22.47	22.46	23.50	22.04	22.06	22.02	23.50
3GPP Rel 6	HSUPA Subtest-4	20.98	20.98	20.96	21.50	20.95	20.97	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	22.57	22.58	22.55	24.50	22.60	22.65	22.58	24.50
3GPP Rel 7	HSRPA (12QAM) Subtest-1	21.35	21.38	21.35	22.50	20.96	20.95	20.96	22.50



Band 2_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100	Frequency (MHz)	18700	18800	19100
Frequency (MHz)				18600	18800	19000				
20	QPSK	1	0	22.19	22.21	22.22	23.5	0		
20	QPSK	1	49	22.31	22.30	22.28				
20	QPSK	1	99	22.30	22.23	22.23				
20	QPSK	50	0	21.66	21.68	21.70	23	0.5		
20	QPSK	50	24	21.66	21.79	21.72				
20	QPSK	50	50	21.65	21.67	21.67				
20	QPSK	100	0	21.69	21.76	21.70	23	0.5		
20	16QAM	1	0	21.78	21.84	21.85				
20	16QAM	1	49	21.88	21.98	22.07				
20	16QAM	1	99	21.68	21.83	21.96	22	1.5		
20	16QAM	50	0	20.53	20.66	20.83				
20	16QAM	50	24	20.58	20.70	20.85				
20	16QAM	50	50	20.52	20.70	20.81	22	1.5		
20	16QAM	100	0	20.56	20.69	20.81				
20	64QAM	1	0	20.66	20.75	20.79				
20	64QAM	1	49	20.73	20.88	20.99	22	1.5		
20	64QAM	1	99	20.59	20.80	20.95				
20	64QAM	50	0	19.53	19.65	19.82				
20	64QAM	50	24	19.57	19.70	19.82	21	2.5		
20	64QAM	50	50	19.52	19.68	19.78				
20	64QAM	100	0	19.55	19.71	19.80				
Channel				18675	18900	19125	Frequency (MHz)	18675	18800	19125
Frequency (MHz)				1857.5	18800	19000.5				
15	QPSK	1	0	21.94	22.13	22.26	23.5	0		
15	QPSK	1	37	22.01	22.29	22.35				
15	QPSK	1	74	21.93	22.23	22.33				
15	QPSK	36	0	21.48	21.69	21.86	23	0.5		
15	QPSK	36	20	21.53	21.72	21.82				
15	QPSK	36	39	21.53	21.74	21.78				
15	QPSK	75	0	21.51	21.72	21.85	23	0.5		
15	16QAM	1	0	21.73	21.91	21.96				
15	16QAM	1	37	21.83	22.04	22.06				
15	16QAM	1	74	21.75	21.95	21.98	22	1.5		
15	16QAM	36	0	20.54	20.70	20.86				
15	16QAM	36	20	20.54	20.71	20.83				
15	16QAM	36	39	20.57	20.73	20.78	22	1.5		
15	16QAM	75	0	20.54	20.74	20.85				
15	64QAM	1	0	20.67	20.83	20.94				
15	64QAM	1	37	20.74	20.97	21.07	22	1.5		
15	64QAM	1	74	20.62	20.86	20.92				
15	64QAM	36	0	19.56	19.73	19.87				
15	64QAM	36	20	19.54	19.71	19.81	21	2.5		
15	64QAM	36	39	19.59	19.76	19.77				
15	64QAM	75	0	19.53	19.72	19.83				
Channel				18690	18900	19150	Frequency (MHz)	18690	18800	19150
Frequency (MHz)				18585	18800	19005				
10	QPSK	1	0	21.96	22.19	22.29	23.5	0		
10	QPSK	1	25	21.96	22.23	22.27				
10	QPSK	1	49	21.97	22.23	22.29				
10	QPSK	25	0	21.48	21.72	21.87	23	0.5		
10	QPSK	25	12	21.50	21.72	21.81				
10	QPSK	25	25	21.52	21.73	21.83				
10	QPSK	50	0	21.55	21.73	21.86	23	0.5		
10	16QAM	1	0	21.80	21.94	22.06				
10	16QAM	1	25	21.81	21.99	22.08				
10	16QAM	1	49	21.77	21.91	22.01	22	1.5		
10	16QAM	25	0	20.53	20.73	20.88				
10	16QAM	25	12	20.56	20.71	20.80				
10	16QAM	25	25	20.54	20.74	20.84	22	1.5		
10	16QAM	50	0	20.55	20.71	20.86				
10	64QAM	1	0	20.75	20.85	21.07				
10	64QAM	1	25	20.73	20.91	21.02	22	1.5		
10	64QAM	1	49	20.70	20.88	21.05				
10	64QAM	25	0	19.51	19.69	19.87				
10	64QAM	25	12	19.54	19.69	19.78	21	2.5		
10	64QAM	25	25	19.55	19.71	19.82				
10	64QAM	50	0	19.53	19.67	19.81				
Channel				18625	18900	19175	Frequency (MHz)	18625	18800	19175
Frequency (MHz)				1852.5	18800	19075.5				
5	QPSK	1	0	21.93	22.19	22.23	23.5	0		
5	QPSK	1	12	21.96	22.31	22.33				
5	QPSK	1	24	21.99	22.22	22.27				
5	QPSK	12	0	21.50	21.74	21.78	23	0.5		
5	QPSK	12	7	21.49	21.73	21.81				
5	QPSK	12	13	21.51	21.73	21.80				
5	QPSK	25	0	21.54	21.76	21.83	23	0.5		
5	16QAM	1	0	21.74	21.91	21.95				
5	16QAM	1	12	21.78	22.03	21.92				
5	16QAM	1	24	21.72	21.95	21.96	22	1.5		
5	16QAM	12	0	20.54	20.73	20.78				
5	16QAM	12	7	20.52	20.70	20.78				
5	16QAM	12	13	20.54	20.73	20.80	22	1.5		
5	16QAM	25	0	20.55	20.74	20.81				
5	64QAM	1	0	20.71	20.85	20.86				
5	64QAM	1	12	20.70	20.95	21.00	22	1.5		
5	64QAM	1	24	20.77	20.88	20.98				
5	64QAM	12	0	19.58	19.77	19.81				
5	64QAM	12	7	19.57	19.75	19.82	21	2.5		
5	64QAM	12	13	19.57	19.75	19.84				
5	64QAM	25	0	19.54	19.69	19.80				
Channel				18615	18900	19185	Frequency (MHz)	18615	18800	19185
Frequency (MHz)				18510.5	18800	19090.5				
3	QPSK	1	0	21.90	22.19	22.26	23.5	0		
3	QPSK	1	8	21.90	22.20	22.25				
3	QPSK	1	14	21.95	22.18	22.31				
3	QPSK	8	0	21.46	21.69	21.79	23	0.5		
3	QPSK	8	4	21.43	21.67	21.75				
3	QPSK	8	7	21.46	21.69	21.75				
3	QPSK	15	0	21.45	21.64	21.72	23	0.5		
3	16QAM	1	0	21.71	21.83	21.94				
3	16QAM	1	8	21.65	21.86	21.83				
3	16QAM	1	14	21.71	21.83	21.93	22	1.5		
3	16QAM	8	0	20.53	20.72	20.83				
3	16QAM	8	4	20.47	20.71	20.82				
3	16QAM	8	7	20.50	20.70	20.79	22	1.5		
3	16QAM	15	0	20.50	20.67	20.78				
3	64QAM	1	0	20.62	20.86	20.91				
3	64QAM	1	8	20.60	20.82	20.88	22	1.5		
3	64QAM	1	14	20.63	20.84	20.93				
3	64QAM	8	0	19.54	19.71	19.80				
3	64QAM	8	4	19.48	19.71	19.80	21	2.5		
3	64QAM	8	7	19.49	19.70	19.79				
3	64QAM	15	0	19.46	19.64	19.76				
Channel				18607	18900	19193	Frequency (MHz)	18607	18800	19090.3
Frequency (MHz)				18502.5	18800	19090.3				
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0		
1.4	QPSK	1	3	22.00	22.29	22.32				
1.4	QPSK	1	5	21.95	22.19	22.30				
1.4	QPSK	3	0	22.00	22.18	22.27	23	0.5		
1.4	QPSK	3	1	21.96	22.21	22.29				
1.4	QPSK	3	3	22.00	22.21	22.30				
1.4	QPSK	6	0	21.45	21.68	21.77	23	0.5		
1.4	16QAM	1	0	21.65	21.87	21.84				
1.4	16QAM	1	3	21.68	21.89	21.94				
1.4	16QAM	1	5	21.61	21.86	21.90	23	0.5		
1.4	16QAM	3	0	21.46	21.78	21.79				
1.4	16QAM	3	1	21.46	21.66	21.80				
1.4	16QAM	3	3	21.51	21.69	21.78	22	1.5		
1.4	16QAM	6	0	20.54	20.73	20.84				
1.4	64QAM	1	0	20.61	20.80	20.85				
1.4	64QAM	1	3	20.63	20.84	20.89	22	1.5		
1.4	64QAM	1	5	20.65	20.86	20.92				
1.4	64QAM	3	0	20.55	20.75	20.86				
1.4	64QAM	3	1	20.56	20.76	20.88	22	1.5		
1.4	64QAM	3	3	20.57	20.78	20.84				
1.4	64QAM	6	0	19.44	19.62	19.75				

Band 4_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20350	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.62	22.70	22.69	23.5	0	
20	QPSK	1	49	22.72	22.88	22.87			
20	QPSK	1	99	22.71	22.82	22.80			
20	QPSK	50	0	22.27	22.23	22.30			
20	QPSK	50	24	22.11	22.35	22.24	23	0.5	
20	QPSK	50	50	22.30	22.31	22.33			
20	QPSK	100	0	22.26	22.31	22.30			
20	16QAM	1	0	22.12	22.24	22.09			
20	16QAM	1	49	22.28	22.29	22.26	23	0.5	
20	16QAM	1	99	22.20	22.30	22.23			
20	16QAM	50	0	20.91	21.03	20.90			
20	16QAM	50	24	20.97	21.12	20.88			
20	16QAM	50	50	20.98	21.13	20.89	22	1.5	
20	16QAM	100	0	21.05	21.10	21.04			
20	64QAM	1	0	21.10	21.25	21.11			
20	64QAM	1	49	21.23	21.32	21.25			
20	64QAM	1	99	21.20	21.26	21.18	22	1.5	
20	64QAM	50	0	19.88	20.01	19.89			
20	64QAM	50	24	20.02	20.10	19.99			
20	64QAM	50	50	20.07	20.12	20.06			
20	64QAM	100	0	19.98	20.11	20.06	21	2.5	
Channel				20050	20175	20350			
Frequency (MHz)				1717.5	1732.5	1747.5	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.49	22.84	22.61	23.5	0	
15	QPSK	1	37	22.66	22.80	22.76			
15	QPSK	1	74	22.60	22.73	22.66			
15	QPSK	36	0	22.24	22.13	22.18			
15	QPSK	36	20	22.16	22.28	22.28	23	0.5	
15	QPSK	36	39	22.19	22.23	22.22			
15	QPSK	75	0	22.12	22.22	22.18			
15	16QAM	1	0	22.00	22.15	21.99			
15	16QAM	1	37	22.12	22.17	22.16	23	0.5	
15	16QAM	1	74	22.10	22.18	22.14			
15	16QAM	36	0	20.84	20.92	20.75			
15	16QAM	36	20	20.86	21.02	20.80			
15	16QAM	36	39	20.89	21.08	20.93	22	1.5	
15	16QAM	75	0	20.91	21.00	20.96			
15	64QAM	1	0	20.98	21.12	20.98			
15	64QAM	1	37	21.13	21.20	21.11			
15	64QAM	1	74	21.11	21.13	21.03	22	1.5	
15	64QAM	36	0	19.75	19.88	19.73			
15	64QAM	36	20	19.89	19.98	19.91			
15	64QAM	36	39	19.94	20.03	20.01			
15	64QAM	75	0	19.83	20.00	19.92	21	2.5	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.55	22.59	22.62	23.5	0	
10	QPSK	1	25	22.57	22.83	22.81			
10	QPSK	1	49	22.64	22.68	22.71			
10	QPSK	25	0	22.13	22.17	22.24			
10	QPSK	25	12	22.26	22.34	22.28	23	0.5	
10	QPSK	25	25	22.25	22.17	22.28			
10	QPSK	50	0	22.20	22.26	22.18			
10	16QAM	1	0	22.06	22.09	21.93			
10	16QAM	1	25	22.17	22.15	22.12	23	0.5	
10	16QAM	1	49	22.05	22.17	22.16			
10	16QAM	25	0	20.83	20.92	20.74			
10	16QAM	25	12	20.95	21.02	20.90			
10	16QAM	25	25	20.94	21.05	20.98	22	1.5	
10	16QAM	50	0	20.89	21.04	20.93			
10	64QAM	1	0	20.98	21.13	21.03			
10	64QAM	1	25	21.11	21.26	21.16			
10	64QAM	1	49	21.12	21.14	21.12	22	1.5	
10	64QAM	25	0	19.72	19.86	19.77			
10	64QAM	25	12	19.90	20.02	19.90			
10	64QAM	25	25	19.99	20.03	19.99			
10	64QAM	50	0	19.90	20.01	19.93	21	2.5	
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.47	22.62	22.53	23.5	0	
5	QPSK	1	12	22.64	22.81	22.77			
5	QPSK	1	24	22.59	22.68	22.75			
5	QPSK	12	0	22.14	22.17	22.17			
5	QPSK	12	7	22.20	22.27	22.19	23	0.5	
5	QPSK	12	13	22.19	22.22	22.25			
5	QPSK	25	0	22.16	22.20	22.17			
5	16QAM	1	0	21.98	22.08	22.00			
5	16QAM	1	12	22.14	22.15	22.19	23	0.5	
5	16QAM	1	24	22.13	22.16	22.09			
5	16QAM	12	0	20.82	20.94	20.82			
5	16QAM	12	7	20.84	21.01	20.89			
5	16QAM	12	13	20.85	20.97	20.86	22	1.5	
5	16QAM	25	0	20.95	20.95	20.97			
5	64QAM	1	0	20.97	21.14	20.95			
5	64QAM	1	12	21.14	21.23	21.16			
5	64QAM	1	24	21.10	21.12	21.09	22	1.5	
5	64QAM	12	0	19.83	19.94	19.74			
5	64QAM	12	7	19.87	20.04	19.89			
5	64QAM	12	13	19.98	20.05	19.98			
5	64QAM	25	0	19.89	20.02	19.91	21	2.5	
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5	Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.52	22.60	22.56	23.5	0	
3	QPSK	1	8	22.64	22.77	22.74			
3	QPSK	1	14	22.57	22.67	22.65			
3	QPSK	8	0	22.21	22.16	22.14			
3	QPSK	8	4	22.16	22.24	22.24	23	0.5	
3	QPSK	8	7	22.20	22.20	22.24			
3	QPSK	15	0	22.12	22.23	22.18			
3	16QAM	1	0	22.01	22.18	22.02			
3	16QAM	1	8	22.22	22.17	22.21	23	0.5	
3	16QAM	1	14	22.13	22.18	22.09			
3	16QAM	8	0	20.76	20.95	20.74			
3	16QAM	8	4	20.90	21.02	20.85			
3	16QAM	8	7	20.92	20.99	20.91	22	1.5	
3	16QAM	15	0	20.98	21.05	20.98			
3	64QAM	1	0	21.02	21.10	21.04			
3	64QAM	1	8	21.17	21.17	21.16			
3	64QAM	1	14	21.11	21.14	21.10	22	1.5	
3	64QAM	8	0	19.76	19.88	19.74			
3	64QAM	8	4	19.88	19.94	19.91			
3	64QAM	8	7	19.93	20.02	19.97			
3	64QAM	15	0	19.89	20.05	19.94	21	2.5	
Channel				19957	20175	20393			
Frequency (MHz)				1710.5	1732.5	1754.5	Time-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.68	22.80	22.75	23.5	0	
1.4	QPSK	1	3	22.70	22.82	22.79			
1.4	QPSK	1	5	22.73	22.79	22.73			
1.4	QPSK	3	0	22.72	22.73	22.73			
1.4	QPSK	3	1	22.69	22.78	22.76	23	0.5	
1.4	QPSK	3	3	22.68	22.74	22.78			
1.4	QPSK	6	0	22.20	22.24	22.12			
1.4	16QAM	1	0	22.38	22.45	22.46			
1.4	16QAM	1	3	22.35	22.48	22.43	23	0.5	
1.4	16QAM	1	5	22.43	22.44	22.48			

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)										
10	QPSK	1	0	23.48	23.45	23.43	24.5	0	23.5	
10	QPSK	1	25	23.51	23.58	23.47				
10	QPSK	1	49	23.42	23.42	23.41				
10	QPSK	25	0	21.95	21.93	21.94	23.5	1	23.5	
10	QPSK	25	12	21.98	21.99	21.95				
10	QPSK	25	25	21.96	21.94	21.93				
10	QPSK	50	0	22.02	22.06	21.95	23.5	1	23.5	
10	16QAM	1	0	21.88	22.34	21.84				
10	16QAM	1	25	21.81	22.32	21.81				
10	16QAM	1	49	21.79	22.23	21.76	22.5	2	22.5	
10	16QAM	25	0	20.60	20.93	20.53				
10	16QAM	25	12	20.59	20.84	20.53				
10	16QAM	25	25	20.58	20.92	20.58	22.5	2	22.5	
10	16QAM	50	0	20.61	20.93	20.52				
10	16QAM	1	0	20.75	21.18	20.69				
10	16QAM	1	25	20.74	21.16	20.70	22.5	2	22.5	
10	16QAM	1	49	20.69	21.14	20.69				
10	16QAM	25	0	19.59	19.89	19.50				
10	16QAM	25	12	19.60	19.91	19.51	21.5	3	21.5	
10	16QAM	25	25	19.58	19.92	19.59				
10	16QAM	50	0	19.59	19.93	19.50				
Channel							20425	20525	20625	
Frequency (MHz)										
5	QPSK	1	0	23.03	23.02	23.04	24.5	0	23.5	
5	QPSK	1	12	23.06	23.04	23.02				
5	QPSK	1	24	23.07	23.00	23.01				
5	QPSK	12	0	21.59	21.51	21.59	23.5	1	23.5	
5	QPSK	12	7	21.57	21.50	21.50				
5	QPSK	12	13	21.56	21.57	21.57				
5	QPSK	25	0	21.59	21.53	21.54	23.5	1	23.5	
5	16QAM	1	0	21.85	21.74	21.77				
5	16QAM	1	12	21.90	21.81	21.81				
5	16QAM	1	24	21.85	21.81	21.77	22.5	2	22.5	
5	16QAM	12	0	20.59	20.51	20.58				
5	16QAM	12	7	20.57	20.51	20.59				
5	16QAM	12	13	20.58	20.55	20.58	22.5	2	22.5	
5	16QAM	25	0	20.58	20.52	20.50				
5	16QAM	1	0	20.74	20.64	20.71				
5	16QAM	1	12	20.77	20.73	20.72	22.5	2	22.5	
5	16QAM	1	24	20.70	20.64	20.63				
5	16QAM	12	0	19.61	19.52	19.51				
5	16QAM	12	7	19.62	19.52	19.51	21.5	3	21.5	
5	16QAM	12	13	19.59	19.50	19.52				
5	16QAM	25	0	19.55	19.50	19.59				
Channel							20415	20525	20635	
Frequency (MHz)										
3	QPSK	1	0	23.01	22.95	22.98	24.5	0	23.5	
3	QPSK	1	8	22.96	22.94	22.91				
3	QPSK	1	14	23.05	22.96	22.93				
3	QPSK	8	0	21.55	21.53	21.51	23.5	1	23.5	
3	QPSK	8	4	21.52	21.56	21.57				
3	QPSK	8	7	21.51	21.54	21.54				
3	QPSK	15	0	21.50	21.54	21.54	23.5	1	23.5	
3	16QAM	1	0	21.81	21.70	21.71				
3	16QAM	1	8	21.78	21.73	21.72				
3	16QAM	1	14	21.79	21.72	21.75	22.5	2	22.5	
3	16QAM	8	0	20.58	20.57	20.55				
3	16QAM	8	4	20.57	20.58	20.50				
3	16QAM	8	7	20.59	20.59	20.59	22.5	2	22.5	
3	16QAM	15	0	20.52	20.57	20.58				
3	16QAM	1	0	20.72	20.57	20.59				
3	16QAM	1	8	20.66	20.59	20.59	22.5	2	22.5	
3	16QAM	1	14	20.76	20.61	20.61				
3	16QAM	8	0	19.59	19.57	19.54				
3	16QAM	8	4	19.53	19.50	19.50	21.5	3	21.5	
3	16QAM	8	7	19.59	19.50	19.56				
3	16QAM	15	0	19.54	19.57	19.53				
Channel							20407	20525	20643	
Frequency (MHz)										
1.4	QPSK	1	0	22.99	22.91	22.91	24.5	0	23.5	
1.4	QPSK	1	3	23.05	23.02	22.97				
1.4	QPSK	1	5	23.01	23.05	23.00				
1.4	QPSK	3	0	23.03	22.96	22.94	23.5	1	23.5	
1.4	QPSK	3	1	23.03	23.02	22.98				
1.4	QPSK	3	3	23.07	23.01	22.96				
1.4	QPSK	6	0	21.53	21.54	21.56	23.5	1	23.5	
1.4	16QAM	1	0	21.78	21.68	21.71				
1.4	16QAM	1	3	21.76	21.71	21.67				
1.4	16QAM	1	5	21.81	21.71	21.66	22.5	2	22.5	
1.4	16QAM	3	0	21.53	21.53	21.54				
1.4	16QAM	3	1	21.53	21.55	21.53				
1.4	16QAM	3	3	21.52	21.53	21.52	22.5	2	22.5	
1.4	16QAM	6	0	20.64	20.51	20.56				
1.4	16QAM	1	0	20.73	20.62	20.63				
1.4	16QAM	1	3	20.62	20.61	20.52	21.5	3	21.5	
1.4	16QAM	1	5	20.68	20.60	20.60				
1.4	16QAM	3	0	20.63	20.51	20.55				
1.4	16QAM	3	1	20.61	20.58	20.53	21.5	3	21.5	
1.4	16QAM	3	3	20.62	20.55	20.56				
1.4	16QAM	6	0	19.53	19.52	19.57				

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)										
20	QPSK	1	0	22.65	22.66	22.56	23.5	0		
20	QPSK	1	49	22.69	22.78	22.62				
20	QPSK	1	99	22.62	22.57	22.58				
20	QPSK	50	0	22.23	22.17	22.11	23	0.5		
20	QPSK	50	24	22.26	22.27	22.12				
20	QPSK	50	50	22.18	22.08	22.07				
20	QPSK	100	0	22.19	22.40	22.09	23	0.5		
20	16QAM	1	0	22.18	22.22	22.17				
20	16QAM	1	49	22.24	22.33	22.31				
20	16QAM	1	99	22.19	22.36	22.25	22	1.5		
20	16QAM	50	0	20.97	21.01	20.99				
20	16QAM	50	24	21.01	21.07	21.04				
20	16QAM	50	50	20.98	21.04	21.13	22	1.5		
20	16QAM	100	0	20.99	21.04	21.05				
20	16QAM	1	0	21.14	21.09	21.07				
20	16QAM	1	49	21.15	21.22	21.20	22	1.5		
20	16QAM	1	99	21.10	21.20	21.19				
20	16QAM	50	0	19.98	20.01	19.98				
20	16QAM	50	24	20.02	20.05	20.03	21	2.5		
20	16QAM	50	50	19.96	20.06	20.11				
20	16QAM	100	0	19.97	20.05	20.05				
Channel							20825	21100	21375	
Frequency (MHz)										
15	QPSK	1	0	22.50	22.55	22.52	23.5	0		
15	QPSK	1	37	22.57	22.58	22.65				
15	QPSK	1	74	22.46	22.53	22.68				
15	QPSK	36	0	22.02	22.05	22.05	23	0.5		
15	QPSK	36	39	22.02	22.07	22.14				
15	QPSK	36	75	22.06	22.06	22.18				
15	QPSK	75	0	22.03	22.07	22.12	23	0.5		
15	16QAM	1	0	22.27	22.29	22.27				
15	16QAM	1	37	22.32	22.39	22.40				
15	16QAM	1	74	22.25	22.38	22.30	22	1.5		
15	16QAM	36	0	21.04	21.04	21.08				
15	16QAM	36	20	21.03	21.06	21.12				
15	16QAM	36	39	21.04	21.08	21.18	22	1.5		
15	16QAM	75	0	21.04	21.10	21.16				
15	16QAM	75	1	21.05	21.25	21.15				
15	16QAM	1	37	21.24	21.30	21.34	22	1.5		
15	16QAM	1	74	21.16	21.27	21.38				
15	16QAM	36	0	20.07	20.08	20.09				
15	16QAM	36	20	20.05	20.09	20.15	21	2.5		
15	16QAM	36	39	20.07	20.07	20.20				
15	16QAM	75	0	20.03	20.09	20.15				
Channel							20800	21100	21400	
Frequency (MHz)										
10	QPSK	1	0	22.65	22.64	22.61	23.5	0		
10	QPSK	1	25	22.56	22.53	22.65				
10	QPSK	1	49	22.50	22.57	22.83				
10	QPSK	25	0	22.06	22.07	22.13	23	0.5		
10	QPSK	25	12	22.06	22.08	22.15				
10	QPSK	25	25	22.08	22.09	22.20				
10	QPSK	50	0	22.08	22.07	22.16	23	0.5		
10	16QAM	1	0	22.38	22.33	22.35				
10	16QAM	1	25	22.28	22.35	22.36				
10	16QAM	1	49	22.31	22.22	22.32	22	1.5		
10	16QAM	25	0	21.07	21.07	21.14				
10	16QAM	25	12	21.03	21.11	21.16				
10	16QAM	25	25	21.09	21.09	21.22	22	1.5		
10	16QAM	50	0	21.09	21.09	21.16				
10	16QAM	1	25	21.19	21.27	21.32				
10	16QAM	1	49	21.25	21.29	21.24	22	1.5		
10	16QAM	25	0	20.08	20.07	20.12				
10	16QAM	25	12	20.06	20.06	20.14				
10	16QAM	25	25	20.07	20.05	20.22	21	2.5		
10	16QAM	50	0	20.07	20.10	20.16				
10	16QAM	50	25	20.07	20.19	20.26				
Channel							20775	21100	21425	
Frequency (MHz)										
5	QPSK	1	0	22.62	22.62	22.61	23.5	0		
5	QPSK	1	12	22.61	22.58	22.55				
5	QPSK	1	24	22.64	22.42	22.47				
5	QPSK	12	0	22.21	22.15	22.27	23	0.5		
5	QPSK	12	7	22.18	22.16	22.30				
5	QPSK	12	13	22.18	22.15	22.33				
5	QPSK	25	0	22.17	22.16	22.32	23	0.5		
5	16QAM	1	0	22.22	22.21	22.24				
5	16QAM	1	12	22.23	22.23	22.31				
5	16QAM	1	24	22.09	22.24	22.26	22	1.5		
5	16QAM	12	0	21.24	21.19	21.28				
5	16QAM	12	7	21.19	21.17	21.30				
5	16QAM	12	13	21.19	21.15	21.31	22	1.5		
5	16QAM	25	0	21.18	21.17	21.30				
5	16QAM	1	0	21.40	21.31	21.39				
5	16QAM	1	12	21.33	21.37	21.31	21	2.5		
5	16QAM	1	24	21.31	21.36	21.31				
5	16QAM	12	0	20.23	20.23	20.30				
5	16QAM	12	7	20.21	20.24	20.33	21	2.5		
5	16QAM	12	13	20.19	20.20	20.33				
5	16QAM	25	0	20.18	20.18	20.29				

Band 7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	22.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.05	22.14	22.13			
20	QPSK	1	49	22.19	22.24	22.22	22	0.5	
20	QPSK	1	99	22.10	22.16	22.20			
20	QPSK	50	0	21.63	21.81	21.80			
20	QPSK	50	24	21.63	21.85	21.84	22	0.5	
20	QPSK	50	50	21.56	21.74	21.57			
20	QPSK	100	0	21.57	21.72	21.59			
20	16QAM	1	0	21.77	21.68	21.74	22	0.5	
20	16QAM	1	49	21.88	21.76	21.86			
20	16QAM	1	99	21.82	21.73	21.76			
20	16QAM	50	0	20.76	20.69	20.72	21	1.5	
20	16QAM	50	24	20.79	20.77	20.73			
20	16QAM	50	50	20.74	20.70	20.66			
20	16QAM	100	0	20.73	20.65	20.69	21	1.5	
20	64QAM	1	0	20.78	20.75	20.72			
20	64QAM	1	49	20.87	20.82	20.85			
20	64QAM	1	99	20.86	20.83	20.81	20	2.5	
20	64QAM	50	0	19.75	19.67	19.68			
20	64QAM	50	24	19.78	19.72	19.74			
20	64QAM	50	50	19.75	19.68	19.76	20	2.5	
20	64QAM	100	0	19.72	19.64	19.66			
Channel				20905	21100	21315			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
16	QPSK	1	0	21.93	21.79	21.87	22.5	0	
15	QPSK	1	37	21.94	21.98	21.95			
15	QPSK	1	74	21.95	21.83	21.98			
15	QPSK	36	0	21.51	21.39	21.39	22	0.5	
15	QPSK	36	20	21.58	21.46	21.43			
15	QPSK	36	39	21.52	21.27	21.32			
15	QPSK	75	0	21.49	21.35	21.34	22	0.5	
15	16QAM	1	0	21.47	21.43	21.45			
15	16QAM	1	37	21.66	21.49	21.57			
15	16QAM	1	74	21.56	21.46	21.46	21	1.5	
15	16QAM	36	0	20.51	20.47	20.42			
15	16QAM	36	20	20.56	20.49	20.52			
15	16QAM	36	39	20.51	20.42	20.39	21	1.5	
15	16QAM	75	0	20.44	20.35	20.43			
15	64QAM	1	0	20.49	20.49	20.49			
15	64QAM	1	37	20.57	20.56	20.64	21	1.5	
15	64QAM	1	74	20.63	20.56	20.60			
15	64QAM	36	0	19.50	19.45	19.46			
15	64QAM	36	20	19.53	19.47	19.47	20	2.5	
15	64QAM	36	39	19.52	19.47	19.52			
15	64QAM	75	0	19.49	19.38	19.47			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	22.5	0	
10	QPSK	1	0	21.85	21.79	21.85			
10	QPSK	1	25	21.96	21.89	21.93			
10	QPSK	1	49	21.90	21.89	21.82	22	0.5	
10	QPSK	25	0	21.53	21.39	21.34			
10	QPSK	25	12	21.64	21.42	21.43			
10	QPSK	25	25	21.50	21.29	21.35	22	0.5	
10	QPSK	50	0	21.49	21.33	21.33			
10	16QAM	1	0	21.48	21.39	21.51			
10	16QAM	1	25	21.58	21.52	21.60	22	0.5	
10	16QAM	1	49	21.61	21.44	21.49			
10	16QAM	25	0	20.55	20.39	20.45			
10	16QAM	25	12	20.57	20.53	20.43	21	1.5	
10	16QAM	25	25	20.52	20.44	20.36			
10	16QAM	50	0	20.52	20.44	20.46			
10	64QAM	1	0	20.48	20.52	20.48	21	1.5	
10	64QAM	1	25	20.57	20.54	20.57			
10	64QAM	1	49	20.61	20.53	20.57			
10	64QAM	25	0	19.52	19.42	19.41	20	2.5	
10	64QAM	25	12	19.57	19.47	19.48			
10	64QAM	25	25	19.46	19.42	19.50			
10	64QAM	50	0	19.47	19.42	19.44	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425	22.5	0	
Frequency (MHz)				2502.5	2533	2562.5			
5	QPSK	1	0	21.87	21.83	21.87			
5	QPSK	1	12	21.94	21.95	21.98	22	0.5	
5	QPSK	1	24	21.94	21.88	21.92			
5	QPSK	12	0	21.59	21.41	21.35			
5	QPSK	12	7	21.60	21.42	21.42	22	0.5	
5	QPSK	12	13	21.46	21.27	21.33			
5	QPSK	25	0	21.42	21.32	21.36			
5	16QAM	1	0	21.47	21.44	21.50	22	0.5	
5	16QAM	1	12	21.61	21.56	21.59			
5	16QAM	1	24	21.61	21.45	21.50			
5	16QAM	12	0	20.52	20.44	20.46	21	1.5	
5	16QAM	12	7	20.55	20.51	20.44			
5	16QAM	12	13	20.45	20.45	20.38			
5	16QAM	25	0	20.49	20.36	20.43	21	1.5	
5	64QAM	1	0	20.57	20.47	20.47			
5	64QAM	1	12	20.59	20.55	20.60			
5	64QAM	1	24	20.57	20.54	20.56	20	2.5	
5	64QAM	12	0	19.52	19.37	19.45			
5	64QAM	12	7	19.54	19.45	19.54			
5	64QAM	12	13	19.47	19.40	19.45	20	2.5	
5	64QAM	25	0	19.47	19.39	19.46			

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.52	23.54			
10	QPSK	1	25	23.58	23.62	23.56	23.5	1	
10	QPSK	1	49	23.54	23.56	23.53			
10	QPSK	25	0	22.07	22.10	22.08			
10	QPSK	25	12	22.10	22.12	22.07	23.5	1	
10	QPSK	25	25	22.07	22.08	22.07			
10	QPSK	50	0	22.08	22.11	22.09			
10	16QAM	1	0	22.05	22.06	22.02	23.5	1	
10	16QAM	1	25	22.06	22.11	22.06			
10	16QAM	1	49	22.14	22.11	22.15			
10	16QAM	25	0	20.75	20.79	20.77	22.5	2	
10	16QAM	25	12	20.81	20.80	20.81			
10	16QAM	25	25	20.81	20.79	20.78			
10	16QAM	50	0	20.80	20.78	20.77	22.5	2	
10	64QAM	1	0	20.90	20.88	20.93			
10	64QAM	1	25	20.97	20.98	20.93			
10	64QAM	1	49	21.00	20.98	20.96	21.5	3	
10	64QAM	25	0	19.74	19.78	19.74			
10	64QAM	25	12	19.81	19.81	19.78			
10	64QAM	25	25	19.79	19.76	19.76	21.5	3	
10	64QAM	50	0	19.78	19.74	19.77			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.5	0	
5	QPSK	1	0	23.37	23.32	23.28			
5	QPSK	1	12	23.40	23.36	23.38			
5	QPSK	1	24	23.35	23.34	23.36	23.5	1	
5	QPSK	12	0	21.84	21.81	21.79			
5	QPSK	12	7	21.87	21.80	21.80			
5	QPSK	12	13	21.85	21.81	21.81	23.5	1	
5	QPSK	25	0	21.85	21.82	21.82			
5	16QAM	1	0	22.08	22.10	22.06			
5	16QAM	1	12	22.13	22.12	22.13	23.5	1	
5	16QAM	1	24	22.08	22.08	22.05			
5	16QAM	12	0	20.82	20.84	20.82			
5	16QAM	12	7	20.83	20.80	20.78	22.5	2	
5	16QAM	12	13	20.83	20.79	20.78			
5	16QAM	25	0	20.82	20.82	20.78			
5	64QAM	1	0	20.94	20.92	20.90	22.5	2	
5	64QAM	1	12	20.93	20.98	20.96			
5	64QAM	1	24	20.97	20.95	20.97			
5	64QAM	12	0	19.85	19.87	19.84	21.5	3	
5	64QAM	12	7	19.83	19.82	19.80			
5	64QAM	12	13	19.84	19.83	19.81			
5	64QAM	25	0	19.80	19.78	19.76	21.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	24.5	0	
3	QPSK	1	0	23.35	23.28	23.28			
3	QPSK	1	8	23.30	23.24	23.30			
3	QPSK	1	14	23.32	23.27	23.36	23.5	1	
3	QPSK	8	0	21.84	21.76	21.80			
3	QPSK	8	4	21.81	21.73	21.78			
3	QPSK	8	7	21.82	21.76	21.77	23.5	1	
3	QPSK	15	0	21.83	21.73	21.77			
3	16QAM	1	0	22.06	22.00	22.01			
3	16QAM	1	8	22.02	21.93	21.98	23.5	1	
3	16QAM	1	14	22.03	21.98	22.06			
3	16QAM	8	0	20.85	20.84	20.83			
3	16QAM	8	4	20.86	20.80	20.82	22.5	2	
3	16QAM	8	7	20.85	20.82	20.76			
3	16QAM	15	0	20.83	20.82	20.77			
3	64QAM	1	0	20.85	20.95	20.88	22.5	2	
3	64QAM	1	8	20.96	21.00	20.89			
3	64QAM	1	14	20.89	20.92	20.90			
3	64QAM	8	0	19.82	19.83	19.82	21.5	3	
3	64QAM	8	4	19.85	19.81	19.77			
3	64QAM	8	7	19.85	19.81	19.76			
3	64QAM	15	0	19.78	19.77	19.75	21.5	3	
Channel				23072	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	24.5	0	
1.4	QPSK	1	0	23.39	23.30	23.36			
1.4	QPSK	1	3	23.37	23.28	23.33			
1.4	QPSK	1	5	23.37	23.28	23.26	23.5	1	
1.4	QPSK	3	0	23.36	23.26	23.32			
1.4	QPSK	3	1	23.34	23.25	23.33			
1.4	QPSK	3	3	23.35	23.27	23.32	23.5	1	
1.4	QPSK	6	0	21.83	21.75	21.79			
1.4	16QAM	1	0	22.10	22.00	22.01			
1.4	16QAM	1	3	22.03	21.95	22.03	23.5	1	
1.4	16QAM	1	5	22.09	21.98	22.02			
1.4	16QAM	3	0	21.84	21.76	21.81			
1.4	16QAM	3	3	21.80	21.72	21.81	22.5	2	
1.4	16QAM	6	0	20.87	20.85	20.83			
1.4	64QAM	1	0	20.93	20.91	20.93			
1.4	64QAM	1	3	20.87	20.88	20.89	22.5	2	
1.4	64QAM	1	5	20.95	20.86	20.93			
1.4	64QAM	3	0	20.87	20.86	20.81			
1.4	64QAM	3	1	20.85	20.87	20.84	21.5	3	
1.4	64QAM	3	3	20.87	20.85	20.84			
1.4	64QAM	6	0	19.79	19.76	19.74	21.5	3	
1.4	64QAM	6	3	19.79	19.76	19.74			

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		24.5	0	
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95		23.5	1	
10	QPSK	25	12		21.98				
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95		23.5	1	
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35				
10	16QAM	1	49		22.24		22.5	2	
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95				
10	16QAM	25	25		20.91		22.5	2	
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16		21.5	3	
10	64QAM	1	49		21.18				
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98		21.5	3	
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.19	23.22	23.28	24.5	0	
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25			
5	QPSK	12	0	21.74	21.71	21.78	23.5	1	
5	QPSK	12	7	21.75	21.70	21.74			
5	QPSK	12	13	21.74	21.75	21.74			
5	QPSK	25	0	21.78	21.74	21.77	23.5	1	
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.10			
5	16QAM	1	24	22.06	22.03	22.02	22.5	2	
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74			
5	16QAM	12	13	20.73	20.73	20.74	22.5	2	
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96			
5	64QAM	1	12	21.02	20.97	20.99	22.5	2	
5	64QAM	1	24	20.91	20.91	20.92			
5	64QAM	12	0	19.83	19.82	19.84			
5	64QAM	12	7	19.85	19.83	19.83	21.5	3	
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.08		24.5	0	
10	QPSK	1	25		23.11				
10	QPSK	1	49		23.06				
10	QPSK	25	0		21.56		23.5	1	
10	QPSK	25	12		21.58				
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55		23.5	1	
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93				
10	16QAM	1	49		21.82		22.5	2	
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54				
10	16QAM	25	25		20.51		22.5	2	
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79		21.5	3	
10	64QAM	1	49		20.71				
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55		21.5	3	
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52				
Channel				23205	23230	23255	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				770.5	782	784.5			
5	QPSK	1	0	22.77	22.79	22.77	24.5	0	
5	QPSK	1	12	22.90	22.90	22.76			
5	QPSK	1	24	22.74	22.79	22.76			
5	QPSK	12	0	21.78	21.73	21.77	23.5	1	
5	QPSK	12	7	21.78	21.73	21.75			
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77	23.5	1	
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63			
5	16QAM	1	24	21.56	21.60	21.52	22.5	2	
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	2	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97	22.5	2	
5	64QAM	1	24	20.95	20.95	20.99			
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82	21.5	3	
5	64QAM	12	13	19.83	19.85	19.82			
5	64QAM	25	0	19.84	19.81	19.79			

Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.55	23.60	23.51	24.5	0	
10	QPSK	1	25	23.60	23.62	23.56			
10	QPSK	1	49	23.58	23.60	23.55			
10	QPSK	25	0	22.10	22.11	22.12	23.5	1	
10	QPSK	25	12	22.12	22.15	22.14			
10	QPSK	25	25	22.08	22.08	22.10			
10	QPSK	50	0	22.11	22.13	22.12	23.5	1	
10	16QAM	1	0	22.01	22.07	22.00			
10	16QAM	1	25	22.06	22.18	22.06			
10	16QAM	1	49	22.17	22.16	22.12	22.5	2	
10	16QAM	25	0	20.85	20.82	20.84			
10	16QAM	25	12	20.86	20.85	20.82			
10	16QAM	25	25	20.83	20.80	20.79	22.5	2	
10	16QAM	50	0	20.82	20.84	20.83			
10	64QAM	1	0	20.88	20.92	20.91			
10	64QAM	1	25	20.98	21.06	20.99	21.5	3	
10	64QAM	1	49	21.04	21.07	21.02			
10	64QAM	25	0	19.84	19.79	19.82			
10	64QAM	25	12	19.83	19.83	19.80	21.5	3	
10	64QAM	25	25	19.81	19.81	19.78			
10	64QAM	50	0	19.79	19.81	19.82			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.26	23.31	23.28	24.5	0	
5	QPSK	1	12	23.32	23.43	23.45			
5	QPSK	1	24	23.29	23.33	23.35			
5	QPSK	12	0	21.82	21.81	21.80	23.5	1	
5	QPSK	12	7	21.80	21.81	21.84			
5	QPSK	12	13	21.82	21.81	21.85			
5	QPSK	25	0	21.82	21.82	21.86	23.5	1	
5	16QAM	1	0	22.02	21.99	21.94			
5	16QAM	1	12	22.07	22.15	22.15			
5	16QAM	1	24	22.00	22.07	22.04	22.5	2	
5	16QAM	12	0	20.84	20.84	20.85			
5	16QAM	12	7	20.86	20.84	20.86			
5	16QAM	12	13	20.86	20.82	20.79	22.5	2	
5	16QAM	25	0	20.87	20.85	20.82			
5	64QAM	1	0	20.93	21.00	21.04			
5	64QAM	1	12	20.95	20.99	21.00	22.5	2	
5	64QAM	1	24	21.02	20.98	21.03			
5	64QAM	12	0	19.87	19.86	19.88			
5	64QAM	12	7	19.87	19.86	19.87	21.5	3	
5	64QAM	12	13	19.90	19.85	19.83			
5	64QAM	25	0	19.85	19.81	19.79			

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				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24	24.5	0	
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76			
10	QPSK	25	12	21.78	21.82	21.78	23.5	1	
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78			
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00	23.5	1	
10	16QAM	1	49	22.06	22.10	22.03			
10	16QAM	25	0	20.70	20.77	20.67			
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67	22.5	2	
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85			
10	64QAM	1	49	20.93	20.94	20.87	22.5	2	
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69			
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.78	19.66	21.5	3	
Channel				23765	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.18	23.17	23.16	24.5	0	
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26			
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70	23.5	1	
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05	23.5	1	
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71			
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67	22.5	2	
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91			
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85	22.5	2	
5	64QAM	12	0	19.72	19.72	19.76			
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66	21.5	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	23.35	23.24	23.23	24	0				
15	QPSK	1	37	23.38	23.39	23.26						
15	QPSK	1	74	23.33	23.16	23.15						
15	QPSK	36	0	22.23	22.19	22.18						
15	QPSK	36	20	22.26	22.27	22.21	23	1				
15	QPSK	36	39	22.24	22.22	22.20						
15	QPSK	75	0	22.26	22.28	22.17						
15	16QAM	1	0	22.37	22.30	22.31						
15	16QAM	1	37	22.30	22.37	22.33	23	1				
15	16QAM	1	74	22.39	22.24	22.20						
15	16QAM	36	0	21.06	21.04	21.07						
15	16QAM	36	20	21.04	21.03	21.04						
15	16QAM	36	39	21.08	21.02	21.00	22	2				
15	16QAM	75	0	21.10	21.03	21.05						
15	64QAM	1	0	21.23	21.18	21.26						
15	64QAM	1	37	21.21	21.29	21.24						
15	64QAM	1	74	21.29	21.18	21.17	22	2				
15	64QAM	36	0	20.06	20.05	20.06						
15	64QAM	36	20	20.04	20.02	20.03						
15	64QAM	36	39	20.05	20.02	19.99						
15	64QAM	75	0	20.09	20.02	20.04	21	3				
Channel				26740	26865	26990						
Frequency (MHz)				810	831.5	844						
10	QPSK	1	0	23.07	23.04	23.10				24	0	
10	QPSK	1	25	23.13	23.13	23.07						
10	QPSK	1	49	23.03	23.00	22.99						
10	QPSK	25	0	22.03	22.01	22.01						
10	QPSK	25	12	22.04	22.01	22.02	23	1				
10	QPSK	25	25	22.07	22.03	22.01						
10	QPSK	50	0	22.08	22.01	22.02						
10	16QAM	1	0	22.34	22.32	22.31						
10	16QAM	1	25	22.42	22.39	22.38	23	1				
10	16QAM	1	49	22.31	22.25	22.22						
10	16QAM	25	0	21.04	21.00	21.02						
10	16QAM	25	12	21.01	20.99	21.00						
10	16QAM	25	25	21.06	21.01	21.01	22	2				
10	16QAM	50	0	21.07	21.00	21.01						
10	64QAM	1	0	21.28	21.20	21.19						
10	64QAM	1	25	21.27	21.28	21.24						
10	64QAM	1	49	21.21	21.19	21.15	22	2				
10	64QAM	25	0	20.04	20.02	20.03						
10	64QAM	25	12	20.04	20.00	20.01						
10	64QAM	25	25	20.07	20.04	20.03						
10	64QAM	50	0	20.06	20.02	20.01	21	3				
Channel				26715	26865	27015						
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	23.02	22.97	22.98				24	0	
5	QPSK	1	12	23.08	23.07	22.98						
5	QPSK	1	24	23.01	23.02	22.96						
5	QPSK	12	0	22.04	22.02	22.03						
5	QPSK	12	7	22.05	22.02	22.01	23	1				
5	QPSK	12	13	22.03	22.00	21.95						
5	QPSK	25	0	22.08	22.05	22.02						
5	16QAM	1	0	22.35	22.21	22.28						
5	16QAM	1	12	22.37	22.28	22.28	23	1				
5	16QAM	1	24	22.25	22.27	22.20						
5	16QAM	12	0	21.06	21.00	21.03						
5	16QAM	12	7	21.07	21.02	21.00						
5	16QAM	12	13	21.04	21.00	20.95	22	2				
5	16QAM	25	0	21.09	21.02	21.02						
5	64QAM	1	0	21.20	21.13	21.17						
5	64QAM	1	12	21.25	21.24	21.17						
5	64QAM	1	24	21.17	21.17	21.12	22	2				
5	64QAM	12	0	20.09	20.03	20.06						
5	64QAM	12	7	20.08	20.05	20.02						
5	64QAM	12	13	20.06	20.04	19.99						
5	64QAM	25	0	20.04	20.02	20.00	21	3				
Channel				26705	26865	27025						
Frequency (MHz)				815.5	831.5	847.5						
3	QPSK	1	0	22.99	22.93	22.94				24	0	
3	QPSK	1	8	22.95	22.94	22.85						
3	QPSK	1	14	22.97	22.97	22.90						
3	QPSK	8	0	21.09	21.96	21.96						
3	QPSK	8	4	22.01	21.99	21.92	23	1				
3	QPSK	8	7	22.00	21.98	21.92						
3	QPSK	15	0	22.00	21.98	21.92						
3	16QAM	1	0	22.24	22.20	22.19						
3	16QAM	1	8	22.22	22.23	22.17	23	1				
3	16QAM	1	14	22.27	22.23	22.20						
3	16QAM	8	0	21.08	21.01	21.00						
3	16QAM	8	4	21.04	21.02	20.98						
3	16QAM	1	0	21.05	21.02	20.95	22	2				
3	16QAM	15	0	21.05	20.98	20.95						
3	64QAM	1	0	21.15	21.12	21.08						
3	64QAM	1	8	21.11	21.12	21.05						
3	64QAM	1	14	21.14	21.14	21.11	22	2				
3	64QAM	8	0	20.03	20.00	19.99						
3	64QAM	8	4	20.04	20.00	19.94						
3	64QAM	8	7	20.02	20.04	19.96						
3	64QAM	15	0	19.99	19.99	19.95	21	3				
Channel				26670	26865	27033						
Frequency (MHz)				816.7	831.5	846.5						
1.4	QPSK	1	0	23.05	23.03	22.98				24	0	
1.4	QPSK	1	3	23.03	23.00	22.90						
1.4	QPSK	1	5	23.01	23.01	22.94						
1.4	QPSK	3	0	23.03	23.03	22.98						
1.4	QPSK	3	1	23.04	23.01	22.94	23	1				
1.4	QPSK	3	3	23.03	23.00	22.95						
1.4	QPSK	6	0	22.03	21.98	21.94						
1.4	16QAM	1	0	22.27	22.28	22.17						
1.4	16QAM	1	3	22.28	22.28	22.15	23	1				
1.4	16QAM	1	5	22.25	22.22	22.20						
1.4	16QAM	3	0	22.01	21.97	21.90						
1.4	16QAM	3	1	22.02	21.99	21.92						
1.4	16QAM	3	3	22.00	21.99	21.92	22	2				
1.4	64QAM	1	0	21.17	21.17	21.12						
1.4	64QAM	1	3	21.18	21.18	21.07						
1.4	64QAM	1	5	21.17	21.20	21.12						
1.4	64QAM	3	0	21.10	21.10	21.03	22	2				
1.4	64QAM	3	1	21.11	21.07	20.99						
1.4	64QAM	3	3	21.13	21.12	21.05						
1.4	64QAM	6	0	20.03	19.96	19.90						
1.4	64QAM	6	0	20.03	19.96	19.90	21	3				

Band 66_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				130702	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.08	23.05	22.98	24	0		
20	QPSK	1	49	23.14	23.18	23.10				
20	QPSK	1	99	23.09	23.12	23.02				
20	QPSK	50	0	22.09	22.13	22.10				
20	QPSK	50	24	22.14	22.20	22.14	23	1		
20	QPSK	50	50	22.12	22.17	22.09				
20	QPSK	100	0	22.15	22.16	22.12				
20	16QAM	1	0	21.94	21.98	22.12				
20	16QAM	1	49	22.00	22.01	22.13	23	1		
20	16QAM	1	99	21.86	21.97	21.94				
20	16QAM	50	0	20.71	20.77	20.87				
20	16QAM	50	24	20.71	20.77	20.84				
20	16QAM	50	50	20.70	20.73	20.70	22	2		
20	16QAM	100	0	20.73	20.74	20.79				
20	64QAM	1	0	20.86	20.89	21.00				
20	64QAM	1	49	20.89	20.90	21.03				
20	64QAM	1	99	20.84	20.86	20.84	21	3		
20	64QAM	50	0	19.67	19.73	19.82				
20	64QAM	50	24	19.69	19.73	19.82				
20	64QAM	50	50	19.68	19.69	19.70				
20	64QAM	100	0	19.72	19.73	19.77				
Channel				132047	132322	132597	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5 <th colspan="4"></th>				
15	QPSK	1	0	22.95	22.97	23.03	24	0		
15	QPSK	1	37	23.11	23.06	23.12				
15	QPSK	1	74	22.92	22.92	22.67				
15	QPSK	36	0	21.92	21.96	22.08				
15	QPSK	36	20	21.90	21.96	22.02	23	1		
15	QPSK	36	39	21.90	21.94	21.91				
15	QPSK	75	0	21.89	21.97	21.99				
15	16QAM	1	0	22.14	22.05	22.12				
15	16QAM	1	37	22.19	22.06	22.12	23	1		
15	16QAM	1	74	22.16	22.02	21.93				
15	16QAM	36	0	20.89	20.94	21.07				
15	16QAM	36	20	20.89	20.95	21.00				
15	16QAM	36	39	20.88	20.94	20.91	22	2		
15	16QAM	75	0	20.89	20.96	21.01				
15	64QAM	1	0	21.02	21.07	21.08				
15	64QAM	1	37	21.06	21.14	21.11				
15	64QAM	1	74	21.03	21.13	21.04	22	2		
15	64QAM	36	0	19.88	19.95	20.09				
15	64QAM	36	20	19.89	19.95	20.03				
15	64QAM	36	39	19.89	19.95	19.94				
15	64QAM	75	0	19.86	19.95	19.99	21	3		
Channel				132022	132322	132622	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.03	23.07	23.11	24	0		
10	QPSK	1	25	23.02	23.04	22.82				
10	QPSK	1	49	22.99	23.01	22.53				
10	QPSK	25	0	21.97	22.02	22.07				
10	QPSK	25	12	21.96	22.01	22.00	23	1		
10	QPSK	25	25	21.94	22.00	21.98				
10	QPSK	50	0	21.95	22.04	22.02				
10	16QAM	1	0	22.17	22.06	22.16				
10	16QAM	1	25	22.13	22.04	22.07	23	1		
10	16QAM	1	49	22.13	22.13	22.07				
10	16QAM	25	0	20.95	20.81	20.87				
10	16QAM	25	12	20.93	20.80	20.78				
10	16QAM	25	25	20.92	20.79	20.77	22	2		
10	16QAM	50	0	20.95	20.82	20.81				
10	64QAM	1	0	21.12	20.98	21.09				
10	64QAM	1	25	21.09	21.16	21.11				
10	64QAM	1	49	21.06	21.17	21.17	22	2		
10	64QAM	25	0	19.83	19.99	20.04				
10	64QAM	25	12	19.91	19.99	19.96				
10	64QAM	25	25	19.90	19.97	19.97				
Channel				131997	132322	132647	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	23.04	23.05	23.02	24	0		
5	QPSK	1	12	23.06	23.04	22.72				
5	QPSK	1	24	22.93	23.02	22.58				
5	QPSK	12	0	22.00	22.06	22.01				
5	QPSK	12	7	21.98	22.04	22.02	23	1		
5	QPSK	12	13	21.88	22.03	21.98				
5	QPSK	25	0	22.01	22.05	22.04				
5	16QAM	1	0	22.19	22.04	22.20				
5	16QAM	1	12	22.20	22.10	22.07	23	1		
5	16QAM	1	24	22.15	22.09	22.01				
5	16QAM	12	0	20.99	20.84	20.82				
5	16QAM	12	7	20.97	21.03	21.02				
5	16QAM	12	13	20.97	21.03	20.99	22	2		
5	16QAM	25	0	20.88	21.04	21.03				
5	64QAM	1	0	21.12	21.18	21.16				
5	64QAM	1	12	21.14	21.17	21.17				
5	64QAM	1	24	21.09	21.16	21.20	22	2		
5	64QAM	12	0	20.00	20.05	20.06				
5	64QAM	12	7	19.97	20.05	20.06				
5	64QAM	12	13	19.97	20.05	20.02				
5	64QAM	25	0	19.95	20.01	20.03	21	3		
Channel				131987	132322	132657	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.96	23.00	22.86	24	0		
3	QPSK	1	8	22.92	22.92	22.62				
3	QPSK	1	14	22.99	22.95	22.58				
3	QPSK	8	0	21.97	22.02	21.99				
3	QPSK	8	4	21.95	22.02	21.98	23	1		
3	QPSK	8	7	21.94	22.03	21.95				
3	QPSK	15	0	21.94	21.97	21.96				
3	16QAM	1	0	22.11	22.15	22.18				
3	16QAM	1	8	22.17	22.20	22.02	23	1		
3	16QAM	1	14	22.14	22.20	22.20				
3	16QAM	8	0	21.03	21.08	21.04				
3	16QAM	8	4	21.06	21.06	21.01				
3	16QAM	8	7	21.03	21.05	21.07	22	2		
3	16QAM	15	0	20.99	21.01	21.01				
3	64QAM	1	0	21.11	21.18	21.14				
3	64QAM	1	8	21.11	21.02	21.20				
3	64QAM	1	14	21.07	21.01	21.16	22	2		
3	64QAM	8	0	19.89	20.07	20.06				
3	64QAM	8	4	19.99	20.05	20.02				
3	64QAM	8	7	19.99	20.06	19.99				
3	64QAM	15	0	19.95	19.98	19.97	21	3		
Channel				131979	132322	132655	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.01	23.08	22.95	24	0		
1.4	QPSK	1	3	22.96	23.00	22.86				
1.4	QPSK	1	5	22.94	23.12	22.90				
1.4	QPSK	3	0	23.02	23.07	22.83				
1.4	QPSK	3	1	23.00	23.02	22.88	23	1		
1.4	QPSK	3	3	23.02	23.07	22.74				
1.4	QPSK	6	0	22.07	22.13	22.23				
1.4	16QAM	1	0	22.00	22.10	22.12				
1.4	16QAM	1	3	22.04	22.10	22.11	23	1		
1.4	16QAM	1	5	22.02	22.12	22.08				
1.4	16QAM	3	0	22.03	22.13	22.12				
1.4	16QAM	3	1	22.07	22.10	22.11				
1.4	16QAM	3	3	22.06	22.10	22.14	22	2		
1.4	16QAM	6	0	21.00	21.00	21.03				
1.4	64QAM	1	0	21.12	21.09	21.09				
1.4	64QAM	1	3	21.14	21.05	21.07				
1.4	64QAM	1	5	21.17	21.03	21.10	22	2		
1.4	64QAM	3	0	21.14	21.02	21.10				
1.4	64QAM	3	1	21.16	21.01	21.08				
1.4	64QAM	3	3	21.11	21.16	21.17				
1.4	64QAM	6	0	20.01	20.10	20.11	21	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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2880	2905	2910				
20	QPSK	1	0	23.35	23.35	23.25	24	0		
20	QPSK	1	49	23.38	23.29	23.21				
20	QPSK	1	99	23.20	23.18	22.90	23	1		
20	QPSK	50	0	22.31	22.23	22.27				
20	QPSK	50	24	22.35	22.28	22.31	23	1		
20	QPSK	50	50	22.27	22.22	22.26				
20	QPSK	100	0	22.29	22.35	22.28	23	1		
20	16QAM	1	0	22.26	22.37	22.33				
20	16QAM	1	49	22.45	22.51	22.51	23	1		
20	16QAM	1	99	22.42	22.42	22.38				
20	16QAM	50	0	21.29	21.36	21.30	22	2		
20	16QAM	50	24	21.39	21.36	21.37				
20	16QAM	50	50	21.40	21.39	21.35	22	2		
20	16QAM	100	0	21.33	21.39	21.41				
20	64QAM	1	0	20.99	21.11	21.08	22	2		
20	64QAM	1	49	21.16	21.20	21.19				
20	64QAM	1	99	21.13	21.12	21.08	21	3		
20	64QAM	50	0	20.27	20.31	20.32				
20	64QAM	50	24	20.35	20.35	20.38	21	3		
20	64QAM	50	50	20.35	20.36	20.32				
20	64QAM	100	0	20.31	20.37	20.38	21	3		
20	64QAM	100	0	20.31	20.37	20.38				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.22	23.28	23.14	24	0		
15	QPSK	1	37	23.37	23.35	23.11				
15	QPSK	1	74	23.35	23.35	23.02	23	1		
15	QPSK	36	0	22.28	22.28	22.23				
15	QPSK	36	20	22.32	22.25	22.24	23	1		
15	QPSK	36	36	22.33	22.30	22.23				
15	QPSK	75	0	22.29	22.27	22.26	23	1		
15	16QAM	1	0	22.26	22.35	22.25				
15	16QAM	1	37	22.42	22.43	22.30	23	1		
15	16QAM	1	74	22.46	22.42	22.29				
15	16QAM	36	0	21.31	21.29	21.25	22	2		
15	16QAM	36	20	21.37	21.32	21.28				
15	16QAM	36	36	21.39	21.33	21.29	22	2		
15	16QAM	75	0	21.41	21.38	21.35				
15	64QAM	1	0	21.11	21.16	21.04	22	2		
15	64QAM	1	37	21.23	21.23	21.07				
15	64QAM	1	74	21.28	21.22	21.09	21	3		
15	64QAM	36	0	20.52	20.51	20.50				
15	64QAM	36	20	20.55	20.52	20.50	21	3		
15	64QAM	36	36	20.40	20.35	20.30				
15	64QAM	75	0	20.38	20.36	20.34	21	3		
15	64QAM	75	0	20.38	20.36	20.34				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.28	23.17	22.83	24	0		
10	QPSK	1	25	23.31	23.29	23.03				
10	QPSK	1	49	23.26	23.12	22.90	23	1		
10	QPSK	25	0	22.38	22.37	22.32				
10	QPSK	25	12	22.40	22.39	22.33	23	1		
10	QPSK	25	25	22.44	22.40	22.33				
10	QPSK	50	0	22.39	22.39	22.32	23	1		
10	16QAM	1	0	22.50	22.59	22.40				
10	16QAM	1	25	22.46	22.50	22.36	23	1		
10	16QAM	1	49	22.55	22.46	22.39				
10	16QAM	25	0	21.38	21.38	21.33	22	2		
10	16QAM	25	12	21.39	21.38	21.35				
10	16QAM	25	25	21.44	21.38	21.36	22	2		
10	16QAM	50	0	21.42	21.38	21.33				
10	64QAM	1	0	21.18	21.10	21.12	22	2		
10	64QAM	1	25	21.15	21.22	21.10				
10	64QAM	1	49	21.26	21.18	21.10	21	3		
10	64QAM	25	0	20.38	20.40	20.35				
10	64QAM	25	12	20.41	20.38	20.34	21	3		
10	64QAM	25	25	20.47	20.41	20.35				
10	64QAM	50	0	20.36	20.36	20.30	21	3		
10	64QAM	50	0	20.36	20.36	20.30				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.32	23.35	23.25	24	0		
5	QPSK	1	12	23.36	23.36	23.08				
5	QPSK	1	24	23.35	23.25	22.98	23	1		
5	QPSK	12	0	22.40	22.40	22.38				
5	QPSK	12	7	22.35	22.42	22.37	23	1		
5	QPSK	12	13	22.35	22.42	22.35				
5	QPSK	25	0	22.40	22.44	22.36	23	1		
5	16QAM	1	0	22.50	22.45	22.41				
5	16QAM	1	12	22.43	22.55	22.44	23	1		
5	16QAM	1	24	22.46	22.50	22.42				
5	16QAM	12	0	21.36	21.37	21.34	22	2		
5	16QAM	12	7	21.33	21.37	21.32				
5	16QAM	12	13	21.33	21.36	21.33	22	2		
5	16QAM	25	0	21.42	21.44	21.41				
5	64QAM	1	0	21.23	21.16	21.12	22	2		
5	64QAM	1	12	21.18	21.23	21.08				
5	64QAM	1	24	21.17	21.18	21.12	21	3		
5	64QAM	12	0	20.37	20.41	20.35				
5	64QAM	12	7	20.34	20.40	20.35	21	3		
5	64QAM	12	13	20.33	20.40	20.34				
5	64QAM	25	0	20.41	20.44	20.38	21	3		
5	64QAM	25	0	20.41	20.44	20.38				

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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2360	2395	2410			
20	QPSK	1	0	23.16	23.12	23.02	24	0	
20	QPSK	1	49	23.18	23.25	23.05			
20	QPSK	1	99	23.16	23.11	23.00	23	1	
20	QPSK	50	0	22.20	22.18	22.18			
20	QPSK	50	24	22.22	22.31	22.10	23	1	
20	QPSK	50	50	22.17	22.18	22.16			
20	QPSK	100	0	22.19	22.28	22.17	23	1	
20	16QAM	1	0	22.25	22.31	22.32			
20	16QAM	1	49	22.44	22.32	22.52	23	1	
20	16QAM	1	99	22.40	22.32	22.51			
20	16QAM	50	0	21.26	21.23	21.37	22	2	
20	16QAM	50	24	21.33	21.21	21.41			
20	16QAM	50	50	21.35	21.15	21.42	22	2	
20	16QAM	100	0	21.31	21.23	21.41			
20	64QAM	1	0	20.95	20.95	21.04	22	2	
20	64QAM	1	49	21.12	20.96	21.20			
20	64QAM	1	99	21.09	20.83	21.18	21	3	
20	64QAM	50	0	20.23	20.20	20.34			
20	64QAM	50	24	20.30	20.20	20.38	21	3	
20	64QAM	50	50	20.30	20.16	20.41			
20	64QAM	100	0	20.26	20.18	20.42	21	3	
20	64QAM								
Channel				37825	38050	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.07	23.06	22.96	24	0	
15	QPSK	1	37	23.06	23.17	23.00			
15	QPSK	1	74	23.08	23.18	23.07	23	1	
15	QPSK	36	0	22.08	22.05	22.12			
15	QPSK	36	20	22.06	22.05	22.12	23	1	
15	QPSK	36	39	22.09	22.08	22.08			
15	QPSK	78	0	22.12	22.19	22.19	23	1	
15	16QAM	1	0	22.16	22.21	22.24			
15	16QAM	1	37	22.30	22.25	22.36	22	2	
15	16QAM	1	74	22.31	22.15	22.39			
15	16QAM	36	0	21.16	21.17	21.32	22	2	
15	16QAM	36	20	21.15	21.08	21.28			
15	16QAM	36	39	21.29	21.02	21.21	22	2	
15	16QAM	78	0	21.24	21.13	21.35			
15	64QAM	1	0	20.86	20.86	20.92	21	3	
15	64QAM	1	37	20.86	20.82	21.06			
15	64QAM	1	74	20.95	20.87	21.09	21	3	
15	64QAM	36	0	20.13	20.05	20.22			
15	64QAM	36	20	20.17	20.08	20.26	21	3	
15	64QAM	36	39	20.16	20.06	20.28			
15	64QAM	78	0	20.16	20.06	20.28	21	3	
15	64QAM								
Channel				37800	38050	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2375	2395	2415			
10	QPSK	1	0	23.04	23.04	22.89	24	0	
10	QPSK	1	25	23.13	23.18	22.89			
10	QPSK	1	49	23.01	23.06	22.85	23	1	
10	QPSK	25	0	22.05	22.05	22.12			
10	QPSK	25	12	22.06	22.22	22.13	23	1	
10	QPSK	25	25	22.07	22.11	22.04			
10	QPSK	50	0	22.11	22.23	22.07	23	1	
10	QPSK	50	0	22.18	22.22	22.24			
10	16QAM	1	0	22.12	22.18	22.12	23	1	
10	16QAM	1	49	22.34	22.09	22.37			
10	16QAM	25	0	21.12	21.14	21.29	22	2	
10	16QAM	25	12	21.17	21.14	21.34			
10	16QAM	25	25	21.17	21.14	21.36	22	2	
10	16QAM	50	0	21.19	21.10	21.33			
10	64QAM	1	0	20.89	20.85	20.92	22	2	
10	64QAM	1	25	21.02	20.83	21.11			
10	64QAM	1	49	21.03	20.69	21.02	21	3	
10	64QAM	25	0	20.14	20.08	20.21			
10	64QAM	25	12	20.16	20.10	20.22	21	3	
10	64QAM	25	25	20.15	20.03	20.34			
10	64QAM	50	0	20.12	20.10	20.36	21	3	
10	64QAM								
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2372.5	2390	2412.5			
5	QPSK	1	0	23.03	23.03	22.91	24	0	
5	QPSK	1	25	23.13	23.19	22.95			
5	QPSK	1	24	23.04	23.05	22.90	23	1	
5	QPSK	12	0	22.07	22.08	22.12			
5	QPSK	12	7	22.07	22.17	22.12	23	1	
5	QPSK	13	25	22.12	22.14	22.14			
5	QPSK	25	0	22.06	22.23	22.06	23	1	
5	16QAM	1	0	22.11	22.21	22.18			
5	16QAM	1	12	22.33	22.25	22.38	23	1	
5	16QAM	1	24	22.34	22.18	22.43			
5	16QAM	12	0	21.17	21.09	21.22	22	2	
5	16QAM	12	7	21.22	21.13	21.27			
5	16QAM	12	13	21.28	21.05	21.29	22	2	
5	16QAM	25	0	21.26	21.13	21.36			
5	64QAM	1	0	20.88	20.80	20.93	22	2	
5	64QAM	1	12	21.06	20.82	21.04			
5	64QAM	1	24	20.97	20.67	21.04	21	3	
5	64QAM	12	0	20.11	20.11	20.18			
5	64QAM	12	7	20.23	20.07	20.31	21	3	
5	64QAM	12	13	20.27	20.09	20.28			
5	64QAM	25	0	20.14	20.07	20.33	21	3	

Band 41_Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Low Mid Ch. 1 (Frac)	Power Mid Ch. 2 (Frac)	Power High Mid Ch. 1 (Frac)	Power High Ch. 2 (Frac)	Tune-up freq (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				39750	40165	40620	41065	41490					
				2505	2548.5	2593	2638.5	2683					
20	QPSK	1	0	23.68	23.82	23.80	23.86	23.45	24.5	0			
20	QPSK	1	49	23.72	23.86	23.82	23.91	23.55					
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98					
20	QPSK	50	0	22.13	22.18	22.28	22.46	22.35					
20	QPSK	50	24	22.16	22.20	22.24	22.48	22.36	23.5	1			
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.30					
20	QPSK	100	0	22.29	22.33	22.23	22.42	22.38					
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08					
20	16QAM	1	49	22.23	22.33	22.50	22.30	22.16	23.5	1			
20	16QAM	1	99	22.16	22.36	22.42	22.22	22.14					
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11					
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09					
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	22.5	2			
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09					
20	64QAM	1	0	20.88	20.95	21.06	20.99	20.79					
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88					
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82	22.5	2			
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05					
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.08					
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01					
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08	21.5	3			
Channel													
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up freq (dBm)			MPR (dB)	
				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	23.61	23.70	23.84	23.74	23.51	24.5	0			
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34					
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13					
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.08					
15	QPSK	36	20	22.16	22.28	22.37	22.19	22.07					
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05	23.5	1			
15	QPSK	75	0	22.15	22.23	22.32	22.18	22.07					
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12					
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17					
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14					
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00	22.5	2			
15	16QAM	36	20	21.08	21.21	21.31	21.13	20.99					
15	16QAM	36	39	21.08	21.16	21.28	21.12	21.00					
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08					
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.82	22.5	2			
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84					
15	64QAM	1	74	20.89	21.01	21.12	20.99	20.85					
15	64QAM	36	0	20.11	20.18	20.30	20.16	20.02	21.5	3			
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01					
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99					
15	64QAM	75	0	20.14	20.20	20.29	20.16	20.05					
Channel													
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up freq (dBm)	MPR (dB)			
				2501	2547	2593	2639	2685					
10	QPSK	1	0	23.47	23.73	23.89	23.70	23.29	24.5	0			
10	QPSK	1	25	23.64	23.79	23.86	23.71	23.12					
10	QPSK	1	49	23.60	23.83	23.82	23.74	22.86					
10	QPSK	25	0	22.18	22.23	22.27	22.20	22.11					
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10					
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11	23.5	1			
10	QPSK	50	0	22.16	22.26	22.36	22.21	22.13					
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20					
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19					
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22					
10	16QAM	25	0	21.18	21.27	21.39	21.22	21.14	22.5	2			
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14					
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14					
10	16QAM	50	0	21.16	21.26	21.37	21.23	21.14					
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86	22.5	2			
10	64QAM	1	25	20.91	21.00	21.17	20.96	20.88					
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90					
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16	21.5	3			
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14					
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13					
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10					
Channel													
Frequency (MHz)				39675	40165	40620	41080	41585	Tune-up freq (dBm)	MPR (dB)			
				2498.5	2546.5	2593	2643.0	2693.5					
5	QPSK	1	0	23.71	23.73	23.85	23.65	23.40	24.5	0			
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16					
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01					
5	QPSK	12	0	22.26	22.28	22.42	22.23	22.14					
5	QPSK	12	7	22.25	22.27	22.42	22.22	22.14					
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11	23.5	1			
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17					
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20					
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.24					
5	16QAM	1	24	22.28	22.34	22.51	22.28	22.23					
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09	22.5	2			
5	16QAM	12	7	21.16	21.22	21.36	21.18	21.07					
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.09					
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17					
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92	22.5	2			
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92					
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92					
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13					
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14	21.5	3			
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10					
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14					

Band 41_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Freq.	Power Low Mid Ch. Freq.	Power Mid Ch. Freq.	Power High Mid Ch. Freq.	Power High Freq.	Tune-up Init. (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40165	40620	41065	41490			
				2505	2548.5	2593	2638.5	2683			
20	QPSK	1	0	23.58	23.71	23.63	23.86	23.58	24.5	0	
20	QPSK	1	49	23.61	23.75	23.65	23.80	23.60			
20	QPSK	1	99	23.56	23.58	23.53	23.86	22.92			
20	QPSK	50	0	22.22	22.28	22.15	22.20	22.15	23.5	1	
20	QPSK	50	24	22.24	22.26	22.10	22.32	22.16			
20	QPSK	50	50	22.17	22.16	22.09	22.12	22.08			
20	16QAM	100	0	22.18	22.23	22.14	22.25	22.12	23.5	1	
20	16QAM	1	0	22.13	22.03	22.01	22.25	22.49			
20	16QAM	1	49	22.17	22.11	22.04	22.45	22.49			
20	16QAM	50	0	22.11	22.04	21.94	21.29	21.41	22.5	1	
20	16QAM	50	24	21.11	21.03	20.96	21.31	21.41			
20	16QAM	50	50	21.10	20.99	20.87	21.35	21.40			
20	16QAM	100	0	21.14	21.02	20.95	21.30	21.43	22.5	2	
20	16QAM	1	0	20.83	20.74	20.64	21.03	21.13			
20	16QAM	1	49	20.82	20.80	20.62	21.08	21.15			
20	16QAM	1	99	20.80	20.77	20.51	21.11	21.13	22.5	2	
20	16QAM	50	0	20.07	19.98	19.94	20.26	20.42			
20	16QAM	50	24	20.09	20.02	19.95	20.29	20.36			
20	16QAM	50	50	20.05	19.95	19.89	20.35	20.37	21.5	3	
20	16QAM	100	0	20.10	19.99	19.98	20.31	20.40			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.51	23.64	23.47	23.71	23.49	24.5	0	
15	QPSK	1	49	23.46	23.46	23.41	23.75	23.58			
15	QPSK	1	74	23.51	23.46	23.41	23.73	22.86			
15	QPSK	36	0	22.16	22.19	22.02	22.08	22.06	23.5	1	
15	QPSK	36	20	22.17	22.21	22.05	22.18	22.07			
15	QPSK	36	39	22.01	22.01	21.85	22.07	22.00			
15	16QAM	75	0	22.03	22.15	22.00	22.12	22.03	23.5	1	
15	16QAM	1	0	22.27	22.16	22.10	22.38	22.45			
15	16QAM	1	37	22.31	22.23	22.14	22.51	22.63			
15	16QAM	1	74	22.15	22.12	21.92	22.57	22.58	22.5	2	
15	16QAM	36	0	21.18	21.16	21.01	21.29	21.36			
15	16QAM	36	20	21.18	21.10	21.00	21.41	21.47			
15	16QAM	36	39	21.23	21.06	21.01	21.40	21.48	21.5	3	
15	16QAM	75	0	21.24	21.15	21.01	21.40	21.51			
15	16QAM	1	0	20.87	20.80	20.60	20.99	21.10			
15	16QAM	1	17	20.87	20.80	20.60	20.99	21.24	22.5	2	
15	16QAM	1	74	20.90	20.83	20.58	21.19	21.18			
15	16QAM	36	0	20.20	20.10	20.09	20.38	20.50			
15	16QAM	36	20	20.14	20.17	20.01	20.44	20.39	21.5	3	
15	16QAM	36	39	20.16	20.08	20.02	20.39	20.40			
15	16QAM	75	0	20.17	20.09	20.00	20.36	20.48			
Channel											
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.52	23.60	23.58	23.81	23.53	24.5	0	
10	QPSK	1	25	23.45	23.67	23.57	23.75	23.53			
10	QPSK	1	49	23.44	23.53	23.43	23.77	22.77			
10	QPSK	1	74	23.44	23.49	23.39	23.76	22.77	23.5	1	
10	QPSK	25	12	22.08	22.14	22.02	22.18	22.03			
10	QPSK	25	25	22.02	22.08	21.95	22.00	21.97			
10	QPSK	50	0	22.04	22.09	22.06	22.19	22.03	23.5	1	
10	QPSK	50	24	22.08	22.11	21.95	22.24	22.44			
10	QPSK	50	49	22.08	22.24	22.13	22.59	22.51			
10	16QAM	1	25	22.28	22.24	22.10	22.38	22.41	22.5	2	
10	16QAM	1	49	22.25	22.19	21.94	22.59	22.63			
10	16QAM	25	0	21.25	21.09	21.02	21.33	21.59			
10	16QAM	25	12	21.19	21.13	21.08	21.39	21.53	21.5	3	
10	16QAM	25	24	21.22	21.09	21.02	21.54	21.54			
10	16QAM	50	0	21.26	21.14	21.09	21.44	21.50			
10	16QAM	1	0	20.89	20.81	20.73	21.10	21.18	22.5	2	
10	16QAM	1	25	20.86	20.95	20.75	21.14	21.20			
10	16QAM	1	49	20.84	20.85	20.65	21.16	21.28			
10	16QAM	25	12	20.87	20.78	20.68	20.98	20.98	21.5	3	
10	16QAM	25	24	20.15	20.14	20.00	20.41	20.42			
10	16QAM	25	25	20.19	20.10	19.93	20.40	20.40			
10	16QAM	50	0	20.14	20.13	19.97	20.40	20.45			
Channel											
Frequency (MHz)				25075	25483	40620	41068	41595			
				2507	2548.3	2593	2639.5	2685			
5	QPSK	1	0	23.40	23.61	23.54	23.77	23.45	24.5	0	
5	QPSK	1	12	23.48	23.70	23.52	23.77	23.45			
5	QPSK	1	24	23.45	23.53	23.37	23.76	22.84			
5	QPSK	12	0	22.09	22.16	22.07	22.06	22.02	23.5	1	
5	QPSK	12	1	22.12	22.16	22.00	22.09	22.05			
5	QPSK	12	13	22.02	22.04	21.96	22.06	21.93			
5	QPSK	25	0	22.03	22.08	22.02	22.20	22.01	23.5	1	
5	16QAM	1	0	22.24	22.08	22.15	22.34	22.55			
5	16QAM	1	12	22.32	22.19	22.17	22.54	22.56			
5	16QAM	1	24	22.32	22.16	22.16	22.54	22.54	22.5	2	
5	16QAM	12	0	21.25	21.12	21.02	21.38	21.52			
5	16QAM	12	7	21.22	21.12	21.11	21.43	21.43			
5	16QAM	25	0	21.26	21.14	20.99	21.48	21.48	21.5	3	
5	16QAM	25	12	21.26	21.14	21.00	21.53	21.53			
5	16QAM	25	24	20.91	20.89	20.79	21.03	21.25			
5	16QAM	1	12	20.92	20.88	20.73	21.15	21.19	22.5	2	
5	16QAM	1	24	20.90	20.89	20.65	21.11	21.17			
5	16QAM	12	0	20.21	20.07	20.05	20.39	20.50			
5	16QAM	12	7	20.21	20.09	20.09	20.39	20.48	21.5	3	
5	16QAM	12	13	20.19	20.02	19.99	20.50	20.48			
5	16QAM	25	0	20.16	20.07	19.99	20.48	20.44			



Reduced Power for DSI 1

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.26	32.26	32.27	33.80		23.26	23.26	23.27	24.50
GP-RS 1 Tx slot	32.24	32.24	32.17	33.50		23.24	23.24	23.17	24.50
GP-RS 2 Tx slots	30.68	30.69	30.59	32.00		24.68	24.69	24.59	26.00
GP-RS 3 Tx slots	29.26	29.26	29.16	30.00		25.02	25.03	24.90	26.14
GP-RS 4 Tx slots	26.69	26.69	26.65	28.00		23.69	23.69	23.65	25.00
EDGE(GMSK 1 Tx slot)	32.14	32.17	32.07	33.50		23.14	23.17	23.07	24.50
EDGE(GMSK 2 Tx slot)	30.62	30.60	30.49	32.00		24.62	24.60	24.49	26.00
EDGE(GMSK 3 Tx slot)	26.18	26.13	26.08	30.00		23.92	23.87	23.82	25.74
EDGE(GMSK 4 Tx slot)	26.58	26.63	26.57	28.00		23.58	23.63	23.57	25.00
EDGE(PSK 1 Tx slot)	26.57	26.56	26.57	28.00		17.57	17.59	17.57	19.50
EDGE(PSK 2 Tx slot)	24.52	24.58	24.53	26.50		18.52	18.59	18.53	20.50
EDGE(PSK 3 Tx slot)	22.92	22.86	22.85	24.50		18.26	18.40	18.29	20.24
EDGE(PSK 4 Tx slot)	22.00	22.11	22.05	22.50		19.00	19.11	19.05	19.50

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.61	31.77	31.91	33.50		22.61	22.77	22.91	24.50
GP-RS 1 Tx slot	31.53	31.67	31.89	33.50		22.53	22.67	22.89	24.50
GP-RS 2 Tx slots	30.01	30.22	30.21	32.00		24.01	24.22	24.21	26.00
GP-RS 3 Tx slots	28.31	28.46	28.67	30.00		24.06	24.20	24.41	26.74
GP-RS 4 Tx slots	26.05	26.15	26.36	28.00		23.05	23.15	23.36	25.00
EDGE(GMSK 1 Tx slot)	31.66	31.62	31.75	33.50		22.66	22.62	22.75	24.50
EDGE(GMSK 2 Tx slot)	30.12	30.03	30.16	32.00		24.12	24.03	24.16	26.00
EDGE(GMSK 3 Tx slot)	26.46	26.58	26.75	30.00		24.20	24.32	24.49	25.74
EDGE(GMSK 4 Tx slot)	26.18	26.07	26.24	28.00		23.18	23.07	23.24	25.00
EDGE(PSK 1 Tx slot)	26.53	26.51	26.56	28.50		17.53	17.51	17.56	19.50
EDGE(PSK 2 Tx slot)	24.85	24.82	24.90	26.50		16.85	16.82	16.90	20.50
EDGE(PSK 3 Tx slot)	22.79	22.70	22.79	24.50		16.53	16.44	16.53	20.24
EDGE(PSK 4 Tx slot)	22.12	22.06	22.11	22.50		19.12	19.06	19.11	19.50

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	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	26.85	26.94	26.85	29.50		19.85	19.94	19.85	20.50
GP-RS 1 Tx slot	26.84	26.91	26.83	29.50		19.84	19.91	19.83	20.50
GP-RS 2 Tx slots	27.90	28.07	27.97	29.00		21.90	22.07	21.97	23.00
GP-RS 3 Tx slots	25.96	26.13	25.99	26.50		21.69	21.87	21.73	22.24
GP-RS 4 Tx slots	23.92	24.18	23.91	25.00		20.92	21.15	20.91	22.00
EDGE(GMSK 1 Tx slot)	26.76	26.83	26.78	29.50		19.76	19.83	19.78	20.50
EDGE(GMSK 2 Tx slot)	27.65	27.91	27.72	29.00		21.65	21.91	21.72	23.00
EDGE(GMSK 3 Tx slot)	25.83	26.08	25.88	26.50		21.57	21.82	21.62	22.24
EDGE(GMSK 4 Tx slot)	23.77	23.99	23.80	25.00		20.77	20.99	20.80	22.00
EDGE(PSK 1 Tx slot)	24.87	24.87	24.83	26.50		19.87	19.87	19.83	17.50
EDGE(PSK 2 Tx slot)	23.95	23.91	23.96	25.00		17.95	17.91	17.96	19.00
EDGE(PSK 3 Tx slot)	22.24	22.32	22.17	23.50		17.98	18.06	17.91	19.24
EDGE(PSK 4 Tx slot)	20.75	20.89	20.77	21.50		17.75	17.89	17.77	18.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	26.48	26.53	26.34	26.75		17.48	17.53	17.34	17.75
GP-RS 1 Tx slot	26.46	26.51	26.31	26.75		17.46	17.51	17.31	17.75
GP-RS 2 Tx slots	25.44	25.53	25.29	26.25		19.44	19.53	19.29	20.25
GP-RS 3 Tx slots	23.45	23.56	23.36	24.25		19.19	19.30	19.10	19.99
GP-RS 4 Tx slots	22.41	22.52	22.35	23.25		19.41	19.52	19.36	20.25
EDGE(GMSK 1 Tx slot)	26.49	26.51	26.33	26.75		17.49	17.51	17.33	17.75
EDGE(GMSK 2 Tx slot)	25.47	25.52	25.30	26.25		19.47	19.52	19.30	20.25
EDGE(GMSK 3 Tx slot)	23.48	23.57	23.37	24.25		19.22	19.31	19.11	19.99
EDGE(GMSK 4 Tx slot)	22.44	22.53	22.37	23.25		19.44	19.53	19.37	20.25
EDGE(PSK 1 Tx slot)	22.37	22.67	22.75	23.75		13.37	13.67	13.75	14.75
EDGE(PSK 2 Tx slot)	21.36	21.64	21.93	22.75		15.56	15.84	15.93	16.75
EDGE(PSK 3 Tx slot)	19.76	19.88	19.84	20.75		15.50	15.62	15.58	16.49
EDGE(PSK 4 Tx slot)	18.60	18.59	18.57	18.75		15.60	15.59	15.57	15.75

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		8662	8800	8938		8662	8800	8938	
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.60	21.66	21.50	22.50	19.94	19.95	19.90	20.75
3GPP Rel 99	RMC 12.2Kbps	21.66	21.67	21.55	22.50	19.97	20.02	19.95	20.75
3GPP Rel 6	HSDPA Subtest-1	20.53	20.69	20.75	22.50	18.67	18.93	19.09	20.75
3GPP Rel 6	HSDPA Subtest-2	20.50	20.66	20.77	22.50	18.66	18.66	18.72	20.75
3GPP Rel 6	HSDPA Subtest-3	20.02	20.25	20.31	22.00	18.36	18.57	18.64	20.25
3GPP Rel 6	HSDPA Subtest-4	20.01	20.16	20.23	22.00	18.36	18.53	18.63	20.25
3GPP Rel 8	DCHSDPA Subtest-1	20.50	20.61	20.73	22.50	18.85	18.94	18.94	20.75
3GPP Rel 8	DCHSDPA Subtest-2	20.55	20.54	20.63	22.50	18.81	18.88	18.92	20.75
3GPP Rel 8	DCHSDPA Subtest-3	20.20	20.09	20.21	22.00	18.25	18.46	18.49	20.25
3GPP Rel 8	DCHSDPA Subtest-4	20.04	20.08	20.18	22.00	18.34	18.42	18.53	20.25
3GPP Rel 6	HSUPA Subtest-1	20.57	20.66	20.74	22.50	18.75	18.80	18.88	20.75
3GPP Rel 6	HSUPA Subtest-2	19.48	19.69	19.75	20.50	17.88	18.03	18.14	18.75
3GPP Rel 6	HSUPA Subtest-3	20.51	20.67	20.75	21.50	18.91	19.08	19.09	19.75
3GPP Rel 6	HSUPA Subtest-4	19.01	19.15	19.24	20.50	17.41	17.58	17.66	18.75
3GPP Rel 6	HSUPA Subtest-5	20.60	20.67	20.73	22.50	18.63	18.93	19.16	20.75
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.45	19.54	19.61	20.50	17.77	17.90	18.01	18.75

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1557	1658	1758		1557	1658	1758	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.36	21.40	21.20	22.50	20.08	20.20	19.97	21.00
3GPP Rel 99	RMC 12.2Kbps	21.38	21.44	21.23	22.50	20.15	20.22	20.02	21.00
3GPP Rel 6	HSDPA Subtest-1	20.63	20.65	20.64	22.50	19.10	19.11	19.14	21.00
3GPP Rel 6	HSDPA Subtest-2	20.73	20.59	20.62	22.50	19.06	19.15	19.21	21.00
3GPP Rel 6	HSDPA Subtest-3	20.24	20.10	20.16	22.00	18.60	18.72	18.64	20.50
3GPP Rel 6	HSDPA Subtest-4	20.16	20.09	20.20	22.00	19.00	18.68	18.56	20.50
3GPP Rel 8	DCHSDPA Subtest-1	20.70	20.73	20.68	22.50	19.15	19.21	19.15	21.00
3GPP Rel 8	DCHSDPA Subtest-2	20.64	20.74	20.56	22.50	19.19	19.20	19.04	21.00
3GPP Rel 8	DCHSDPA Subtest-3	20.15	20.20	20.16	22.00	18.70	18.81	18.73	20.50
3GPP Rel 8	DCHSDPA Subtest-4	20.10	20.21	20.07	22.00	18.71	18.55	18.72	20.50
3GPP Rel 6	HSUPA Subtest-1	20.61	20.62	20.56	22.50	19.06	19.12	19.07	21.00
3GPP Rel 6	HSUPA Subtest-2	19.42	19.48	19.34	20.50	18.07	18.20	18.07	20.00
3GPP Rel 6	HSUPA Subtest-3	20.48	20.57	20.42	21.50	19.17	19.21	19.01	20.50
3GPP Rel 6	HSUPA Subtest-4	18.96	18.96	18.99	20.50	17.68	17.67	17.58	19.00
3GPP Rel 6	HSUPA Subtest-5	20.64	20.60	20.58	22.50	19.16	19.14	19.03	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.30	19.35	19.32	20.50	17.96	18.17	17.81	19.00

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	23.66	23.65	23.56	23.40	21.88	21.83	21.63	23.66
3GPP Rel 99	AMR 12.2Kbps	23.67	23.66	23.57	23.40	21.89	21.83	21.66	23.67
3GPP Rel 6	HSRPA_Subset-1	22.52	22.54	22.51	23.50	21.05	21.00	21.05	23.50
3GPP Rel 6	HSRPA_Subset-1	22.55	22.52	22.53	23.50	21.05	21.00	21.01	23.50
3GPP Rel 6	HSRPA_Subset-3	22.11	22.05	22.01	23.50	20.61	20.56	20.53	23.50
3GPP Rel 6	HSRPA_Subset-4	22.08	22.01	22.02	23.50	20.54	20.56	20.46	22.00
3GPP Rel 6	DC-HSRPA_Subset-1	22.67	22.65	22.57	24.00	21.10	21.01	21.03	23.50
3GPP Rel 6	DC-HSRPA_Subset-2	22.65	22.57	22.65	24.00	21.11	21.14	21.02	23.50
3GPP Rel 6	DC-HSRPA_Subset-3	22.05	21.90	21.95	23.50	20.56	20.55	20.38	22.00
3GPP Rel 6	DC-HSRPA_Subset-4	22.02	21.90	21.96	23.50	20.38	20.42	20.33	22.00
3GPP Rel 6	HSRPA_Subset-1	22.80	22.78	22.37	23.50	21.04	21.01	21.01	23.50
3GPP Rel 6	HSRPA_Subset-2	21.14	21.10	21.45	22.50	19.53	19.51	19.47	22.50
3GPP Rel 6	HSRPA_Subset-3	22.50	22.47	22.46	23.50	20.48	20.55	20.47	22.50
3GPP Rel 6	HSRPA_Subset-4	20.98	20.98	20.66	22.50	19.03	19.00	19.04	22.50
3GPP Rel 6	HSRPA_Subset-5	22.57	22.58	22.35	24.00	21.07	21.13	21.01	23.50
3GPP Rel 7	HSRPA (TQDM)	21.35	21.38	21.35	22.00	19.41	19.43	19.45	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.	Turnup limit (dBm)	MPR (dB)		
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18700 18900 19100							22	0		
20	QPSK	1	0	20.79	20.83	20.82				
20	QPSK	1	49	20.86	20.91	20.82				
20	QPSK	1	99	20.82	20.83	20.81				
20	QPSK	50	0	20.78	20.85	20.79				
20	QPSK	50	24	20.82	20.88	20.87	22	0		
20	QPSK	50	50	20.76	20.83	20.79				
20	QPSK	100	0	20.79	20.84	20.83				
20	16QAM	1	0	20.74	20.80	20.81				
20	16QAM	1	49	20.79	20.84	20.79				
20	16QAM	1	99	20.76	20.76	20.77	22	0		
20	16QAM	50	0	20.53	20.66	20.83				
20	16QAM	50	24	20.58	20.70	20.85				
20	16QAM	50	50	20.52	20.70	20.81				
20	16QAM	100	0	20.56	20.69	20.81				
20	64QAM	1	0	20.66	20.75	20.79	22	0		
20	64QAM	1	49	20.73	20.85	20.80				
20	64QAM	1	99	20.59	20.80	20.89				
20	64QAM	50	0	19.53	19.65	19.82				
20	64QAM	50	24	19.57	19.70	19.82				
20	64QAM	50	50	19.52	19.68	19.78	21	1		
20	64QAM	100	0	19.55	19.71	19.80				
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18675 18900 19125							22	0		
15	QPSK	1	0	20.77	20.76	20.78				
15	QPSK	1	37	20.83	20.90	20.77				
15	QPSK	1	74	20.78	20.81	20.74				
15	QPSK	36	0	20.76	20.82	20.77				
15	QPSK	36	20	20.80	20.85	20.86	22	0		
15	QPSK	36	39	20.72	20.77	20.74				
15	QPSK	75	0	20.74	20.82	20.82				
15	16QAM	1	0	20.71	20.80	20.74				
15	16QAM	1	37	20.75	20.82	20.73				
15	16QAM	1	74	20.74	20.72	20.71	22	0		
15	16QAM	36	0	20.41	20.57	20.69				
15	16QAM	36	20	20.43	20.58	20.69				
15	16QAM	36	39	20.45	20.59	20.66				
15	16QAM	75	0	20.47	20.56	20.66				
15	64QAM	1	0	20.61	20.70	20.68	22	0		
15	64QAM	1	37	20.60	20.80	20.82				
15	64QAM	1	74	20.69	20.67	20.78				
15	64QAM	36	0	19.47	19.55	19.66				
15	64QAM	36	20	19.49	19.65	19.70				
15	64QAM	36	39	19.47	19.62	19.65	21	1		
15	64QAM	75	0	19.49	19.62	19.74				
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18950 18960 19150							22	0		
10	QPSK	1	0	20.78	20.81	20.79				
10	QPSK	1	25	20.80	20.88	20.79				
10	QPSK	1	49	20.76	20.77	20.76				
10	QPSK	25	0	20.77	20.83	20.78				
10	QPSK	25	12	20.81	20.86	20.82	22	0		
10	QPSK	25	25	20.70	20.81	20.75				
10	QPSK	50	0	20.75	20.82	20.81				
10	16QAM	1	0	20.73	20.75	20.75				
10	16QAM	1	25	20.75	20.82	20.77				
10	16QAM	1	49	20.72	20.75	20.73	22	0		
10	16QAM	25	0	20.48	20.56	20.76				
10	16QAM	25	12	20.42	20.58	20.75				
10	16QAM	25	25	20.36	20.53	20.69				
10	16QAM	50	0	20.43	20.54	20.74				
10	64QAM	1	0	20.61	20.59	20.69	22	0		
10	64QAM	1	25	20.64	20.77	20.83				
10	64QAM	1	49	20.54	20.72	20.74				
10	64QAM	25	0	19.37	19.57	19.69				
10	64QAM	25	12	19.49	19.60	19.70				
10	64QAM	25	25	19.40	19.52	19.62	21	1		
10	64QAM	50	0	19.48	19.59	19.69				
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18925 18930 19175							22	0		
5	QPSK	1	0	20.75	20.77	20.75				
5	QPSK	1	12	20.80	20.88	20.81				
5	QPSK	1	24	20.75	20.82	20.76				
5	QPSK	12	0	20.75	20.81	20.73				
5	QPSK	12	7	20.79	20.83	20.81	22	0		
5	QPSK	12	13	20.72	20.80	20.72				
5	QPSK	25	0	20.78	20.77	20.78				
5	16QAM	1	0	20.68	20.76	20.78				
5	16QAM	1	12	20.76	20.82	20.75				
5	16QAM	1	24	20.73	20.74	20.76	22	0		
5	16QAM	12	0	20.43	20.57	20.70				
5	16QAM	12	7	20.52	20.54	20.71				
5	16QAM	12	13	20.46	20.64	20.68				
5	16QAM	25	0	20.42	20.58	20.75				
5	64QAM	1	0	20.58	20.64	20.74	22	0		
5	64QAM	1	12	20.65	20.76	20.76				
5	64QAM	1	24	20.61	20.74	20.77				
5	64QAM	12	0	19.45	19.60	19.68				
5	64QAM	12	7	19.48	19.55	19.66				
5	64QAM	12	13	19.47	19.63	19.66	21	1		
5	64QAM	25	0	19.50	19.58	19.75				
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18915 18920 19185							22	0		
3	QPSK	1	0	20.73	20.80	20.75				
3	QPSK	1	8	20.84	20.86	20.80				
3	QPSK	1	14	20.80	20.81	20.75				
3	QPSK	8	0	20.75	20.79	20.74				
3	QPSK	8	4	20.81	20.85	20.86	22	0		
3	QPSK	8	7	20.73	20.77	20.74				
3	QPSK	15	0	20.73	20.79	20.77				
3	16QAM	1	0	20.68	20.75	20.75				
3	16QAM	1	8	20.75	20.82	20.76				
3	16QAM	1	14	20.72	20.75	20.74	22	0		
3	16QAM	8	0	20.38	20.58	20.72				
3	16QAM	8	4	20.48	20.63	20.72				
3	16QAM	8	7	20.37	20.59	20.75				
3	16QAM	15	0	20.48	20.61	20.70				
3	64QAM	1	0	20.61	20.60	20.67	22	0		
3	64QAM	1	8	20.63	20.78	20.75				
3	64QAM	1	14	20.53	20.73	20.80				
3	64QAM	8	0	19.43	19.50	19.68				
3	64QAM	8	4	19.44	19.60	19.66				
3	64QAM	8	7	19.44	19.54	19.63	21	1		
3	64QAM	15	0	19.43	19.59	19.74				
Channel							Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)										
18907 18900 19193							22	0		
1.4	QPSK	1	0	20.78	20.80	20.78				
1.4	QPSK	1	3	20.83	20.84	20.75				
1.4	QPSK	1	5	20.77	20.77	20.78				
1.4	QPSK	3	0	20.73	20.79	20.76				
1.4	QPSK	3	1	20.79	20.84	20.83	22	0		
1.4	QPSK	3	3	20.72	20.76	20.72				
1.4	QPSK	6	0	20.73	20.79	20.76				
1.4	16QAM	1	0	20.69	20.75	20.76				
1.4	16QAM	1	3	20.67	20.80	20.72				
1.4	16QAM	1	5	20.73	20.69	20.73	22	0		
1.4	16QAM	3	0	20.65	20.76	20.73				
1.4	16QAM	3	1	20.72	20.75	20.79				
1.4	16QAM	3	3	20.70	20.76	20.70				
1.4	16QAM	6	0	20.48	20.60	20.70				
1.4	64QAM	1	0	20.53	20.69	20.73	22	0		
1.4	64QAM	1	3	20.51	20.74	20.79				
1.4	64QAM	1	5	20.51	20.76	20.86				
1.4	64QAM	3	0	20.48	20.66	20.73				
1.4	64QAM	3	1	20.50	20.68	20.71				
1.4	64QAM	3	3	20.49	20.62	20.74	21	1		
1.4	64QAM	6	0	19.31	19.55	19.67				

Band 4_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20350	21	0		
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.19	20.24	20.20	21	0		
20	QPSK	1	49	20.36	20.41	20.36				
20	QPSK	1	99	20.35	20.37	20.31				
20	QPSK	50	0	20.32	20.33	20.28				
20	QPSK	50	24	20.37	20.40	20.35				
20	QPSK	50	50	20.33	20.36	20.33	21	0		
20	QPSK	100	0	20.31	20.38	20.34				
20	16QAM	1	0	20.12	20.23	20.15				
20	16QAM	1	49	20.34	20.40	20.33				
20	16QAM	1	99	20.30	20.33	20.25				
20	16QAM	50	0	20.29	20.31	20.21	21	0		
20	16QAM	50	24	20.26	20.32	20.28				
20	16QAM	50	50	20.34	20.37	20.33				
20	16QAM	100	0	20.24	20.34	20.33				
20	64QAM	1	0	20.17	20.21	20.19				
20	64QAM	1	49	20.35	20.35	20.34	21	0		
20	64QAM	1	99	20.28	20.30	20.28				
20	64QAM	50	0	20.26	20.28	20.21				
20	64QAM	50	24	20.29	20.33	20.31				
20	64QAM	50	50	20.35	20.39	20.31				
20	64QAM	100	0	20.30	20.32	20.27	21	0		
Channel				20050	20175	20350				
Frequency (MHz)				1712.5	1725.5	1737.5				
15	QPSK	1	0	20.17	20.23	20.14	21	0		
15	QPSK	1	37	20.34	20.39	20.30				
15	QPSK	1	74	20.31	20.31	20.29				
15	QPSK	36	0	20.27	20.28	20.22				
15	QPSK	36	20	20.33	20.33	20.34				
15	QPSK	36	39	20.26	20.36	20.26	21	0		
15	QPSK	75	0	20.26	20.37	20.33				
15	16QAM	1	0	20.09	20.20	20.11				
15	16QAM	1	37	20.30	20.35	20.32				
15	16QAM	1	74	20.23	20.28	20.23				
15	16QAM	36	0	20.28	20.27	20.25	21	0		
15	16QAM	36	20	20.20	20.25	20.21				
15	16QAM	36	39	20.27	20.31	20.28				
15	16QAM	75	0	20.19	20.32	20.29				
15	64QAM	1	0	20.10	20.18	20.15				
15	64QAM	1	37	20.34	20.31	20.33	21	0		
15	64QAM	1	74	20.27	20.25	20.26				
15	64QAM	36	0	20.22	20.23	20.19				
15	64QAM	36	20	20.24	20.28	20.30				
15	64QAM	36	39	20.33	20.33	20.24				
15	64QAM	75	0	20.23	20.26	20.20	21	0		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.13	20.18	20.14	21	0		
10	QPSK	1	25	20.29	20.35	20.35				
10	QPSK	1	49	20.29	20.30	20.30				
10	QPSK	25	0	20.26	20.26	20.21				
10	QPSK	25	12	20.30	20.35	20.32				
10	QPSK	25	25	20.28	20.34	20.31	21	0		
10	QPSK	50	0	20.24	20.33	20.28				
10	16QAM	1	0	20.09	20.19	20.08				
10	16QAM	1	25	20.32	20.38	20.27				
10	16QAM	1	49	20.24	20.32	20.24				
10	16QAM	25	0	20.25	20.26	20.15	21	0		
10	16QAM	25	12	20.16	20.31	20.23				
10	16QAM	25	25	20.30	20.35	20.32				
10	16QAM	50	0	20.23	20.28	20.31				
10	64QAM	1	0	20.10	20.18	20.18				
10	64QAM	1	25	20.29	20.31	20.27	21	0		
10	64QAM	1	49	20.27	20.24	20.26				
10	64QAM	25	0	20.19	20.21	20.17				
10	64QAM	25	12	20.25	20.26	20.29				
10	64QAM	25	25	20.28	20.35	20.24				
10	64QAM	50	0	20.28	20.29	20.25	21	0		
Channel				19975	20175	20375				
Frequency (MHz)				1722.5	1735.5	1747.5				
5	QPSK	1	0	20.16	20.18	20.15	21	0		
5	QPSK	1	12	20.31	20.34	20.32				
5	QPSK	1	24	20.29	20.31	20.25				
5	QPSK	12	0	20.27	20.26	20.27				
5	QPSK	12	7	20.31	20.38	20.32				
5	QPSK	12	13	20.26	20.34	20.26	21	0		
5	QPSK	25	0	20.29	20.32	20.32				
5	16QAM	1	0	20.11	20.17	20.13				
5	16QAM	1	12	20.36	20.35	20.32				
5	16QAM	1	24	20.29	20.32	20.22				
5	16QAM	12	0	20.26	20.26	20.19	21	0		
5	16QAM	12	7	20.21	20.30	20.22				
5	16QAM	12	13	20.33	20.36	20.29				
5	16QAM	25	0	20.19	20.31	20.32				
5	64QAM	1	0	20.16	20.14	20.12				
5	64QAM	1	12	20.32	20.30	20.27	21	0		
5	64QAM	1	24	20.25	20.25	20.21				
5	64QAM	12	0	20.21	20.28	20.16				
5	64QAM	12	7	20.24	20.28	20.28				
5	64QAM	12	13	20.32	20.35	20.29				
5	64QAM	25	0	20.24	20.31	20.20	21	0		
Channel				19965	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	20.14	20.17	20.13	21	0		
3	QPSK	1	8	20.31	20.35	20.33				
3	QPSK	1	14	20.28	20.30	20.27				
3	QPSK	8	0	20.28	20.28	20.22				
3	QPSK	8	4	20.31	20.37	20.35				
3	QPSK	8	7	20.28	20.33	20.32	21	0		
3	QPSK	15	0	20.29	20.37	20.33				
3	16QAM	1	0	20.11	20.22	20.09				
3	16QAM	1	8	20.31	20.36	20.28				
3	16QAM	1	14	20.24	20.30	20.19				
3	16QAM	8	0	20.23	20.28	20.17	21	0		
3	16QAM	8	4	20.20	20.31	20.22				
3	16QAM	8	7	20.33	20.32	20.28				
3	16QAM	15	0	20.19	20.32	20.30				
3	64QAM	1	0	20.14	20.14	20.17				
3	64QAM	1	8	20.29	20.31	20.32	21	0		
3	64QAM	1	14	20.23	20.24	20.25				
3	64QAM	8	0	20.23	20.26	20.15				
3	64QAM	8	4	20.22	20.32	20.28				
3	64QAM	8	7	20.29	20.32	20.30				
3	64QAM	15	0	20.24	20.26	20.21	21	0		
Channel				19957	20175	20393				
Frequency (MHz)				1712.5	1732.5	1754.5				
1.4	QPSK	1	0	20.17	20.20	20.16	21	0		

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	24.5	0	1
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.48	23.45	23.43			
10	QPSK	1	25	23.51	23.58	23.47			
10	QPSK	1	49	23.42	23.42	23.41	23.5	1	1
10	QPSK	25	0	21.95	21.93	21.94			
10	QPSK	25	12	21.70	21.99	21.26			
10	QPSK	25	25	21.96	21.94	21.93			
10	QPSK	50	0	22.02	22.06	21.95	23.5	1	1
10	16QAM	1	0	21.88	22.34	21.84			
10	16QAM	1	25	21.83	22.32	21.81			
10	16QAM	1	49	21.79	22.23	21.76			
10	16QAM	25	0	20.60	20.93	20.53	22.5	2	2
10	16QAM	25	12	20.59	20.84	20.53			
10	16QAM	25	25	20.58	20.92	20.58			
10	16QAM	50	0	20.61	20.93	20.52			
10	64QAM	1	0	20.75	21.18	20.69	22.5	2	2
10	64QAM	1	25	20.74	21.16	20.70			
10	64QAM	1	49	20.69	21.14	20.64			
10	64QAM	25	0	19.59	19.89	19.50			
10	64QAM	25	12	19.60	19.91	19.51	21.5	3	3
10	64QAM	25	25	19.58	19.92	19.59			
10	64QAM	50	0	19.59	19.93	19.50			
10	64QAM	50	0	19.59	19.93	19.50			
Channel				20450	20525	20625	24.5	0	0
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.03	23.02	23.04			
5	QPSK	1	12	23.06	23.04	23.02			
5	QPSK	1	24	23.07	23.00	23.01	23.5	1	1
5	QPSK	12	0	21.59	21.51	21.59			
5	QPSK	12	7	21.57	21.50	21.50			
5	QPSK	12	13	21.56	21.57	21.57			
5	QPSK	25	0	21.59	21.53	21.54	23.5	1	1
5	16QAM	1	0	21.85	21.74	21.77			
5	16QAM	1	12	21.90	21.81	21.84			
5	16QAM	1	24	21.85	21.81	21.77			
5	16QAM	12	0	20.59	20.51	20.58	22.5	2	2
5	16QAM	12	7	20.57	20.51	20.59			
5	16QAM	12	13	20.58	20.55	20.58			
5	16QAM	25	0	20.58	20.52	20.50			
5	64QAM	1	0	20.74	20.64	20.71	22.5	2	2
5	64QAM	1	12	20.77	20.73	20.72			
5	64QAM	1	24	20.70	20.64	20.63			
5	64QAM	12	0	19.61	19.52	19.51			
5	64QAM	12	7	19.62	19.52	19.52	21.5	3	3
5	64QAM	12	13	19.59	19.50	19.51			
5	64QAM	25	0	19.55	19.50	19.59			
5	64QAM	25	0	19.55	19.50	19.59			
Channel				20415	20525	20635	24.5	0	0
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.01	22.95	22.98			
3	QPSK	1	8	22.96	22.94	22.91			
3	QPSK	1	14	23.05	22.96	22.93	23.5	1	1
3	QPSK	8	0	21.55	21.53	21.51			
3	QPSK	8	4	21.52	21.56	21.57			
3	QPSK	8	7	21.51	21.54	21.54			
3	QPSK	15	0	21.50	21.54	21.54	23.5	1	1
3	16QAM	1	0	21.81	21.70	21.71			
3	16QAM	1	8	21.78	21.73	21.72			
3	16QAM	1	14	21.79	21.72	21.75			
3	16QAM	8	0	20.58	20.57	20.55	22.5	2	2
3	16QAM	8	4	20.57	20.58	20.55			
3	16QAM	8	7	20.59	20.59	20.59			
3	16QAM	15	0	20.52	20.57	20.58			
3	64QAM	1	0	20.72	20.57	20.59	22.5	2	2
3	64QAM	1	8	20.68	20.59	20.59			
3	64QAM	1	14	20.76	20.61	20.61			
3	64QAM	8	0	19.59	19.57	19.54			
3	64QAM	8	4	19.53	19.50	19.50	21.5	3	3
3	64QAM	8	7	19.59	19.50	19.56			
3	64QAM	15	0	19.54	19.57	19.53			
3	64QAM	15	0	19.54	19.57	19.53			
Channel				20407	20525	20643	24.5	0	0
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.99	22.91	22.91			
1.4	QPSK	1	3	23.05	23.02	22.97			
1.4	QPSK	1	5	23.01	23.05	23.00	23.5	1	1
1.4	QPSK	3	0	23.03	22.96	22.94			
1.4	QPSK	3	1	23.03	23.02	22.98			
1.4	QPSK	3	3	23.07	23.01	22.96			
1.4	QPSK	6	0	21.53	21.54	21.56	23.5	1	1
1.4	16QAM	1	0	21.78	21.68	21.70			
1.4	16QAM	1	3	21.76	21.71	21.67			
1.4	16QAM	1	5	21.81	21.71	21.66			
1.4	16QAM	3	0	21.53	21.53	21.54	22.5	2	2
1.4	16QAM	3	1	21.53	21.55	21.53			
1.4	16QAM	3	3	21.52	21.53	21.52			
1.4	16QAM	6	0	20.64	20.51	20.56			
1.4	64QAM	1	0	20.73	20.62	20.63	22.5	2	2
1.4	64QAM	1	3	20.62	20.61	20.52			
1.4	64QAM	1	5	20.68	20.60	20.60			
1.4	64QAM	3	0	20.63	20.51	20.55			
1.4	64QAM	3	1	20.61	20.58	20.53	21.5	3	3
1.4	64QAM	3	3	20.62	20.55	20.56			
1.4	64QAM	6	0	19.53	19.52	19.57			
1.4	64QAM	6	0	19.53	19.52	19.57			

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	21000	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	21.82	21.68	21.84	22.5	0	
20	QPSK	1	49	21.87	21.88	21.95			
20	QPSK	1	99	21.70	21.61	21.81			
20	QPSK	50	0	21.75	21.61	21.69			
20	QPSK	50	24	21.76	21.82	21.87	22.5	0	
20	QPSK	50	50	21.64	21.50	21.68			
20	QPSK	100	0	21.72	21.80	21.78			
20	16QAM	1	0	21.78	21.82	21.77			
20	16QAM	1	49	21.84	21.83	21.81	22.5	0	
20	16QAM	1	99	21.79	21.86	21.85			
20	16QAM	50	0	20.97	21.01	20.99			
20	16QAM	50	24	21.01	21.07	21.04			
20	16QAM	50	50	20.98	21.04	21.13	22	0.5	
20	16QAM	100	0	20.99	21.04	21.05			
20	64QAM	1	0	21.14	21.09	21.07			
20	64QAM	1	49	21.15	21.22	21.20			
20	64QAM	1	99	21.10	21.20	21.39	22	0.5	
20	64QAM	50	0	19.98	20.01	19.98			
20	64QAM	50	24	20.02	20.05	20.03			
20	64QAM	50	50	19.96	20.06	20.11			
20	64QAM	100	0	19.97	20.05	20.05	21	1.5	
Channel				20825	21000	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.76	21.62	21.76			
15	QPSK	1	37	21.62	21.68	21.73			
15	QPSK	1	74	21.56	21.50	21.76			
15	QPSK	36	0	21.62	21.51	21.62			
15	QPSK	36	20	21.51	21.56	21.68	22.5	0	
15	QPSK	36	38	21.50	21.50	21.58			
15	QPSK	75	0	21.58	21.46	21.84			
15	16QAM	1	0	21.63	21.77	21.71			
15	16QAM	1	37	21.73	21.84	21.79	22.5	0	
15	16QAM	1	74	21.70	21.82	21.73			
15	16QAM	36	0	20.88	20.87	20.89			
15	16QAM	36	20	20.91	20.91	20.96			
15	16QAM	36	39	20.83	20.98	21.05	22	0.5	
15	16QAM	75	0	20.96	20.92	20.91			
15	64QAM	1	0	21.04	21.00	20.99			
15	64QAM	1	37	21.00	21.07	21.09			
15	64QAM	1	74	20.94	21.06	21.26	22	0.5	
15	64QAM	36	0	19.91	19.91	19.93			
15	64QAM	36	20	19.95	19.94	19.98			
15	64QAM	36	39	19.82	19.96	19.99			
15	64QAM	75	0	19.87	19.91	19.97	21	1.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.73	21.62	21.72			
10	QPSK	1	25	21.67	21.60	21.77			
10	QPSK	1	49	21.54	21.51	21.75			
10	QPSK	25	0	21.62	21.48	21.53			
10	QPSK	25	12	21.61	21.57	21.69	22.5	0	
10	QPSK	25	25	21.55	21.44	21.63			
10	QPSK	50	0	21.60	21.52	21.66			
10	16QAM	1	0	21.66	21.73	21.67			
10	16QAM	1	25	21.71	21.84	21.76	22.5	0	
10	16QAM	1	49	21.66	21.82	21.71			
10	16QAM	25	0	20.81	20.96	20.87			
10	16QAM	25	12	20.84	20.96	20.97			
10	16QAM	25	25	20.90	20.88	21.07	22	0.5	
10	16QAM	50	0	20.90	20.90	20.98			
10	64QAM	1	0	21.08	21.02	20.98			
10	64QAM	1	25	20.99	21.15	21.05			
10	64QAM	1	49	21.00	21.15	21.31	22	0.5	
10	64QAM	25	0	19.82	19.90	19.89			
10	64QAM	25	12	19.67	19.91	19.97			
10	64QAM	25	25	19.80	19.91	19.95			
10	64QAM	50	0	19.84	19.97	19.99	21	1.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.66	21.53	21.73			
5	QPSK	1	12	21.66	21.64	21.73			
5	QPSK	1	24	21.55	21.54	21.66			
5	QPSK	12	0	21.63	21.54	21.55			
5	QPSK	12	7	21.51	21.55	21.64	22.5	0	
5	QPSK	12	13	21.55	21.34	21.55			
5	QPSK	25	0	21.58	21.50	21.64			
5	16QAM	1	0	21.73	21.72	21.72			
5	16QAM	1	12	21.78	21.71	21.83	22.5	0	
5	16QAM	1	24	21.66	21.84	21.89			
5	16QAM	12	0	20.89	20.91	20.88			
5	16QAM	12	7	20.88	20.92	20.91			
5	16QAM	12	13	20.87	20.96	21.08	22	0.5	
5	16QAM	25	0	20.88	20.96	20.94			
5	64QAM	1	0	21.01	20.98	20.91			
5	64QAM	1	12	21.02	21.08	21.13			
5	64QAM	1	24	21.03	21.11	21.32	22	0.5	
5	64QAM	12	0	19.86	19.95	19.90			
5	64QAM	12	7	19.90	19.94	19.93			
5	64QAM	12	13	19.87	19.95	20.05			
5	64QAM	25	0	19.85	19.90	19.98	21	1.5	

Band 7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	2510		
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	17.68	17.63	17.75			
20	QPSK	1	49	17.81	17.88	17.85			
20	QPSK	50	0	17.64	17.67	17.60			
20	QPSK	50	24	17.75	17.78	17.76	18	0	
20	QPSK	50	50	17.65	17.64	17.75			
20	QPSK	100	0	17.59	17.67	17.62			
20	16QAM	1	0	17.64	17.58	17.69	18	0	
20	16QAM	1	49	17.74	17.74	17.81			
20	16QAM	1	99	17.67	17.69	17.79			
20	16QAM	50	0	17.55	17.64	17.52	18	0	
20	16QAM	50	24	17.74	17.73	17.68			
20	16QAM	50	50	17.63	17.58	17.71			
20	16QAM	100	0	17.49	17.62	17.55	18	0	
20	64QAM	1	0	17.59	17.59	17.65			
20	64QAM	1	49	17.79	17.84	17.84			
20	64QAM	1	99	17.66	17.64	17.79	18	0	
20	64QAM	50	0	17.56	17.63	17.51			
20	64QAM	50	24	17.69	17.70	17.74			
20	64QAM	50	50	17.59	17.56	17.69	18	0	
20	64QAM	100	0	17.52	17.62	17.54			
Channel				20905	21100	21315	2507.5		
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.67	17.63	17.74			
15	QPSK	1	37	17.71	17.85	17.82			
15	QPSK	1	74	17.70	17.70	17.80			
15	QPSK	36	0	17.61	17.65	17.50	18	0	
15	QPSK	36	20	17.72	17.68	17.71			
15	QPSK	36	39	17.63	17.54	17.66			
15	QPSK	75	0	17.50	17.65	17.53	18	0	
15	16QAM	1	0	17.56	17.52	17.61			
15	16QAM	1	37	17.73	17.78	17.72			
15	16QAM	1	74	17.63	17.59	17.71	18	0	
15	16QAM	36	0	17.46	17.60	17.46			
15	16QAM	36	20	17.71	17.72	17.59			
15	16QAM	36	39	17.57	17.50	17.63	18	0	
15	16QAM	75	0	17.47	17.55	17.51			
15	64QAM	1	0	17.50	17.56	17.62			
15	64QAM	1	37	17.70	17.78	17.79	18	0	
15	64QAM	1	74	17.63	17.60	17.72			
15	64QAM	36	0	17.53	17.53	17.49			
15	64QAM	36	20	17.63	17.64	17.71	18	0	
15	64QAM	36	39	17.55	17.52	17.67			
15	64QAM	75	0	17.47	17.56	17.50			
Channel				20800	21100	21400	2505		
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.66	17.54	17.66			
10	QPSK	1	25	17.73	17.85	17.81			
10	QPSK	1	49	17.67	17.71	17.82			
10	QPSK	25	0	17.61	17.64	17.67	18	0	
10	QPSK	25	12	17.65	17.77	17.67			
10	QPSK	25	25	17.59	17.57	17.73			
10	QPSK	50	0	17.51	17.58	17.54	18	0	
10	16QAM	1	0	17.61	17.56	17.67			
10	16QAM	1	25	17.72	17.80	17.74			
10	16QAM	1	49	17.60	17.59	17.77	18	0	
10	16QAM	25	0	17.48	17.56	17.42			
10	16QAM	25	12	17.73	17.67	17.66			
10	16QAM	25	25	17.59	17.46	17.85	18	0	
10	16QAM	50	0	17.39	17.55	17.51			
10	64QAM	1	0	17.58	17.54	17.60			
10	64QAM	1	25	17.78	17.78	17.79	18	0	
10	64QAM	1	49	17.58	17.59	17.70			
10	64QAM	25	0	17.51	17.59	17.42			
10	64QAM	25	12	17.59	17.66	17.67	18	0	
10	64QAM	25	25	17.58	17.46	17.60			
10	64QAM	50	0	17.47	17.55	17.46			
Channel				20775	21100	21425	2507.5		
Frequency (MHz)				2507.5	2535	2567.5			
5	QPSK	1	0	17.60	17.61	17.66			
5	QPSK	1	12	17.72	17.79	17.77			
5	QPSK	1	24	17.70	17.64	17.74			
5	QPSK	12	0	17.57	17.65	17.58	18	0	
5	QPSK	12	7	17.72	17.74	17.67			
5	QPSK	12	13	17.62	17.56	17.69			
5	QPSK	25	0	17.51	17.60	17.53	18	0	
5	16QAM	1	0	17.63	17.52	17.60			
5	16QAM	1	12	17.68	17.79	17.73			
5	16QAM	1	24	17.61	17.67	17.73	18	0	
5	16QAM	12	0	17.48	17.57	17.45			
5	16QAM	12	7	17.66	17.72	17.63			
5	16QAM	12	13	17.53	17.48	17.65	18	0	
5	16QAM	25	0	17.41	17.57	17.47			
5	64QAM	1	0	17.49	17.54	17.56			
5	64QAM	1	12	17.75	17.83	17.76	18	0	
5	64QAM	1	24	17.56	17.56	17.66			
5	64QAM	12	0	17.51	17.59	17.44			
5	64QAM	12	7	17.63	17.63	17.66	18	0	
5	64QAM	12	13	17.55	17.52	17.60			
5	64QAM	25	0	17.47	17.57	17.44			

Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	704		
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.52	23.54			
10	QPSK	1	25	23.58	23.62	23.56			
10	QPSK	1	49	23.54	23.56	23.53			
10	QPSK	25	0	22.07	22.10	22.08	23.5	1	
10	QPSK	25	12	22.10	22.12	22.11			
10	QPSK	25	25	22.07	22.08	22.07			
10	QPSK	50	0	22.08	22.11	22.09	23.5	1	
10	16QAM	1	0	22.05	22.06	22.02			
10	16QAM	1	25	22.06	22.11	22.06			
10	16QAM	1	49	22.14	22.11	22.15	22.5	2	
10	16QAM	25	0	20.75	20.79	20.77			
10	16QAM	25	12	20.81	20.80	20.81			
10	16QAM	25	25	20.81	20.79	20.78	22.5	2	
10	16QAM	50	0	20.80	20.78	20.77			
10	64QAM	1	0	20.90	20.88	20.93			
10	64QAM	1	25	20.97	20.98	20.93	22.5	2	
10	64QAM	1	49	21.00	20.98	20.96			
10	64QAM	25	0	19.74	19.78	19.74			
10	64QAM	25	12	19.81	19.81	19.78	21.5	3	
10	64QAM	25	25	19.79	19.76	19.76			
10	64QAM	50	0	19.78	19.74	19.77			
Channel				23035	23095	23155	701.5		
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.37	23.32	23.28			
5	QPSK	1	12	23.40	23.36	23.36			
5	QPSK	1	24	23.35	23.34	23.36			
5	QPSK	12	0	21.84	21.81	21.79	23.5	1	
5	QPSK	12	7	21.87	21.80	21.80			
5	QPSK	12	13	21.85	21.77	21.81			
5	QPSK	25	0	21.85	21.82	21.82	23.5	1	
5	16QAM	1	0	22.08	22.10	22.06			
5	16QAM	1	12	22.13	22.12	22.13			
5	16QAM	1	24	22.08	22.08	22.05	22.5	2	
5	16QAM	12	0	20.82	20.84	20.82			
5	16QAM	12	7	20.83	20.80	20.78			
5	16QAM	12	13	20.83	20.79	20.76	22.5	2	
5	16QAM	25	0	20.82	20.82	20.78			
5	16QAM	25	0	20.94	20.90	20.90			
5	16QAM	1	12	20.93	20.98	20.96	22.5	2	
5	16QAM	1	24	20.97	20.95	20.97			
5	16QAM	12	0	19.85	19.87	19.84			
5	16QAM	12	7	19.83	19.82	19.80	21.5	3	
5	16QAM	12	13	19.84	19.83	19.81			
5	16QAM	25	0	19.80	19.78	19.76			
Channel				23025	23095	23165	700.5		
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.35	23.28	23.28			
3	QPSK	1	8	23.30	23.24	23.30			
3	QPSK	1	14	23.32	23.27	23.36			
3	QPSK	8	0	21.84	21.76	21.80	23.5	1	
3	QPSK	8	4	21.81	21.73	21.78			
3	QPSK	8	7	21.82	21.76	21.77			
3	QPSK	15	0	21.83	21.73	21.77	23.5	1	
3	16QAM	1	0	22.06	22.00	22.01			
3	16QAM	1	8	22.02	21.93	21.98			
3	16QAM	1	14	22.03	21.98	22.06	22.5	2	
3	16QAM	8	0	20.85	20.84	20.83			
3	16QAM	8	4	20.86	20.80	20.82			
3	16QAM	8	7	20.85	20.82	20.76	22.5	2	
3	16QAM	15	0	20.83	20.82	20.77			
3	64QAM	1	0	20.85	20.95	20.88			
3	64QAM	1	8	20.96	21.00	20.89	22.5	2	
3	64QAM	1	14	20.89	20.92	20.90			
3	64QAM	8	0	19.82	19.83	19.82			
3	64QAM	8	4	19.85	19.81	19.77	21.5	3	
3	64QAM	8	7	19.85	19.81	19.76			
3	64QAM	15	0	19.78	19.77	19.75			
Channel				23017	23095	23173	699.7		
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.39	23.30	23.36			
1.4	QPSK	1	3	23.37	23.28	23.33			
1.4	QPSK	1	5	23.37	23.28	23.26			
1.4	QPSK	3	0	23.36	23.26	23.32	23.5	1	
1.4	QPSK	3	1	23.34	23.25	23.33			
1.4	QPSK	3	3	23.35	23.27	23.32			
1.4	QPSK	6	0	21.83	21.75	21.79	23.5	1	
1.4	16QAM	1	0	22.10	22.00	22.01			
1.4	16QAM	1	3	22.03	21.95	22.03			
1.4	16QAM	1	5	22.09	21.98	22.02	23.5	1	
1.4	16QAM	3	0	21.84	21.76	21.81			
1.4	16QAM	3	3	21.80	21.72	21.81			
1.4	16QAM	6	0	20.87	20.85	20.83	22.5	2	
1.4	64QAM	1	0	20.93	20.91	20.93			
1.4	64QAM	1	3	20.87	20.88	20.89			
1.4	64QAM	1	5	20.95	20.86	20.93	22.5	2	
1.4	64QAM	3	0	20.87	20.86	20.81			
1.4	64QAM	3	1	20.85	20.87	20.84			
1.4	64QAM	3	3	20.87	20.85	20.84	21.5	3	
1.4	64QAM	6	0	19.79	19.76	19.74			

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		24.5	0	
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95		23.5	1	
10	QPSK	25	12		21.98				
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95		23.5	1	
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35				
10	16QAM	1	49		22.24		22.5	2	
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95				
10	16QAM	25	25		20.91		22.5	2	
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16		21.5	3	
10	64QAM	1	49		21.18				
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98		21.5	3	
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.19	23.22	23.28	24.5	0	
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25			
5	QPSK	12	0	21.74	21.71	21.78	23.5	1	
5	QPSK	12	7	21.75	21.70	21.74			
5	QPSK	12	13	21.74	21.75	21.74			
5	QPSK	25	0	21.78	21.74	21.77	23.5	1	
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.10			
5	16QAM	1	24	22.06	22.03	22.02	22.5	2	
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74			
5	16QAM	12	13	20.73	20.73	20.74	22.5	2	
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96			
5	64QAM	1	12	21.02	20.97	20.99	22.5	2	
5	64QAM	1	24	20.91	20.91	20.92			
5	64QAM	12	0	19.83	19.82	19.84			
5	64QAM	12	7	19.85	19.83	19.83	21.5	3	
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23230			782		
Frequency (MHz)									
10	QPSK	1	0		23.08		24.5	0	
10	QPSK	1	25		23.11				
10	QPSK	1	49		23.06				
10	QPSK	25	0		21.56		23.5	1	
10	QPSK	25	12		21.58				
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55		23.5	1	
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93				
10	16QAM	1	49		21.82		22.5	2	
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54				
10	16QAM	25	25		20.51		22.5	2	
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79		21.5	3	
10	64QAM	1	49		20.71				
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55		21.5	3	
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52				
Channel				23205	23230	23255	782		
Frequency (MHz)				770.5	782	794.5			
5	QPSK	1	0	22.77	22.79	22.77	24.5	0	
5	QPSK	1	12	22.90	22.90	22.76			
5	QPSK	1	24	22.74	22.79	22.76			
5	QPSK	12	0	21.78	21.73	21.77	23.5	1	
5	QPSK	12	7	21.78	21.73	21.75			
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77	23.5	1	
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63			
5	16QAM	1	24	21.56	21.60	21.52	22.5	2	
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	2	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97	22.5	2	
5	64QAM	1	24	20.95	20.95	20.89			
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82	21.5	3	
5	64QAM	12	13	19.83	19.85	19.82			
5	64QAM	25	0	19.84	19.81	19.79			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.55	23.60	23.51	24.5	0	
10	QPSK	1	25	23.60	23.62	23.56			
10	QPSK	1	49	23.58	23.60	23.55			
10	QPSK	25	0	22.10	22.11	22.12	23.5	1	
10	QPSK	25	12	22.12	22.15	22.14			
10	QPSK	25	25	22.08	22.08	22.10			
10	QPSK	50	0	22.11	22.13	22.12	23.5	1	
10	16QAM	1	0	22.01	22.07	22.00			
10	16QAM	1	25	22.06	22.18	22.06			
10	16QAM	1	49	22.17	22.16	22.12	22.5	2	
10	16QAM	25	0	20.85	20.82	20.84			
10	16QAM	25	12	20.86	20.85	20.82			
10	16QAM	25	25	20.83	20.80	20.79	22.5	2	
10	16QAM	50	0	20.82	20.84	20.83			
10	64QAM	1	0	20.88	20.92	20.91			
10	64QAM	1	25	20.98	21.06	20.99	21.5	3	
10	64QAM	1	49	21.04	21.07	21.02			
10	64QAM	25	0	19.84	19.79	19.82			
10	64QAM	25	12	19.83	19.83	19.80	21.5	3	
10	64QAM	25	25	19.81	19.81	19.78			
10	64QAM	50	0	19.79	19.81	19.82			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.26	23.31	23.28	24.5	0	
5	QPSK	1	12	23.32	23.43	23.45			
5	QPSK	1	24	23.29	23.33	23.35			
5	QPSK	12	0	21.82	21.81	21.80	23.5	1	
5	QPSK	12	7	21.80	21.81	21.84			
5	QPSK	12	13	21.82	21.81	21.85			
5	QPSK	25	0	21.82	21.82	21.86	23.5	1	
5	16QAM	1	0	22.02	21.99	21.94			
5	16QAM	1	12	22.07	22.15	22.15			
5	16QAM	1	24	22.00	22.07	22.04	22.5	2	
5	16QAM	12	0	20.84	20.84	20.85			
5	16QAM	12	7	20.86	20.84	20.86			
5	16QAM	12	13	20.86	20.82	20.79	22.5	2	
5	16QAM	25	0	20.87	20.85	20.82			
5	64QAM	1	0	20.93	21.00	21.04			
5	64QAM	1	12	20.95	20.99	21.00	22.5	2	
5	64QAM	1	24	21.02	20.98	21.03			
5	64QAM	12	0	19.87	19.86	19.88			
5	64QAM	12	7	19.87	19.86	19.87	21.5	3	
5	64QAM	12	13	19.90	19.85	19.83			
5	64QAM	25	0	19.85	19.81	19.79			

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				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24	24.5	0	
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76			
10	QPSK	25	12	21.76	21.82	21.78	23.5	1	
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78			
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00	23.5	1	
10	16QAM	1	49	22.06	22.10	22.03			
10	16QAM	25	0	20.70	20.77	20.67			
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67	22.5	2	
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85			
10	64QAM	1	49	20.93	20.94	20.87	22.5	2	
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69			
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.78	19.66	21.5	3	
Channel				23765	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.18	23.17	23.16	24.5	0	
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26			
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70	23.5	1	
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05	23.5	1	
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71			
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67	22.5	2	
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91			
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85	22.5	2	
5	64QAM	12	0	19.72	19.72	19.76			
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66	21.5	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	24	0		
Frequency (MHz)				621.5	631.5	641.5				
15	QPSK	1	0	23.35	23.24	23.23				
15	QPSK	1	37	23.38	23.39	23.26				
15	QPSK	1	74	23.33	23.16	23.15	23	1		
15	QPSK	36	0	22.23	22.19	22.18				
15	QPSK	36	20	22.26	22.27	22.21				
15	QPSK	36	39	22.24	22.22	22.20				
15	QPSK	75	0	22.25	22.28	22.17	23	1		
15	16QAM	1	0	22.37	22.30	22.31				
15	16QAM	1	37	22.30	22.37	22.33				
15	16QAM	1	74	22.39	22.24	22.20				
15	16QAM	36	0	21.06	21.04	21.07	22	2		
15	16QAM	36	20	21.04	21.03	21.04				
15	16QAM	36	39	21.08	21.02	21.00				
15	16QAM	75	0	21.10	21.03	21.05				
15	64QAM	1	0	21.23	21.18	21.26	22	2		
15	64QAM	1	37	21.21	21.29	21.24				
15	64QAM	1	74	21.29	21.18	21.17				
15	64QAM	36	0	20.06	20.05	20.06				
15	64QAM	36	20	20.04	20.02	20.03	21	3		
15	64QAM	36	39	20.05	20.02	19.99				
15	64QAM	75	0	20.09	20.02	20.04				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				610	631.5	644	24	0		
10	QPSK	1	0	23.07	23.04	23.10				
10	QPSK	1	25	23.13	23.13	23.07				
10	QPSK	1	49	23.03	23.00	22.99	23	1		
10	QPSK	25	0	22.03	22.01	22.01				
10	QPSK	25	25	22.07	22.03	22.02				
10	QPSK	50	0	22.08	22.01	22.01				
10	16QAM	1	0	22.34	22.32	22.31	23	1		
10	16QAM	1	25	22.42	22.39	22.38				
10	16QAM	1	49	22.31	22.25	22.22				
10	16QAM	25	0	21.04	21.00	21.02				
10	16QAM	25	12	21.01	20.99	21.00	22	2		
10	16QAM	25	25	21.06	21.01	21.01				
10	16QAM	50	0	21.07	21.00	21.01				
10	64QAM	1	0	21.28	21.20	21.19				
10	64QAM	1	25	21.27	21.28	21.24	22	2		
10	64QAM	1	49	21.21	21.19	21.15				
10	64QAM	25	0	20.04	20.02	20.03				
10	64QAM	25	12	20.04	20.00	20.01				
10	64QAM	25	25	20.07	20.04	20.03	21	3		
10	64QAM	50	0	20.06	20.02	20.01				
Channel				26715	26865	27015				Tune-up limit (dBm)
Frequency (MHz)				616.5	631.5	646.5	24	0		
5	QPSK	1	0	23.02	22.97	22.98				
5	QPSK	1	12	23.08	23.07	22.98				
5	QPSK	1	24	23.01	23.02	22.96	23	1		
5	QPSK	12	0	22.04	22.02	22.03				
5	QPSK	12	7	22.05	22.02	22.01				
5	QPSK	12	13	22.03	22.00	21.95				
5	QPSK	25	0	22.08	22.05	22.02	23	1		
5	16QAM	1	0	22.35	22.21	22.28				
5	16QAM	1	12	22.37	22.28	22.28				
5	16QAM	1	24	22.25	22.27	22.20				
5	16QAM	12	0	21.06	21.00	21.03	22	2		
5	16QAM	12	7	21.07	21.02	21.00				
5	16QAM	12	13	21.04	21.00	20.95				
5	16QAM	25	0	21.09	21.02	21.02				
5	64QAM	1	0	21.20	21.13	21.17	22	2		
5	64QAM	1	12	21.25	21.24	21.17				
5	64QAM	1	24	21.17	21.17	21.12				
5	64QAM	12	0	20.09	20.03	20.06				
5	64QAM	12	7	20.08	20.05	20.02	21	3		
5	64QAM	12	13	20.06	20.04	19.99				
5	64QAM	25	0	20.04	20.02	20.00				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				615.5	631.5	647.5	24	0		
3	QPSK	1	0	22.99	22.93	22.94				
3	QPSK	1	8	22.95	22.94	22.85				
3	QPSK	1	14	22.97	22.97	22.90	23	1		
3	QPSK	8	0	21.09	21.96	21.96				
3	QPSK	8	4	22.01	21.99	21.92				
3	QPSK	8	7	22.00	21.98	21.92				
3	QPSK	15	0	22.00	21.98	21.92	23	1		
3	16QAM	1	0	22.24	22.20	22.19				
3	16QAM	1	8	22.22	22.23	22.17				
3	16QAM	1	14	22.27	22.23	22.20	22	2		
3	16QAM	8	0	21.08	21.01	21.00				
3	16QAM	8	4	21.04	21.02	20.98				
3	16QAM	8	12	21.05	21.02	20.95				
3	16QAM	15	0	21.05	20.98	20.95	22	2		
3	64QAM	1	0	21.15	21.12	21.08				
3	64QAM	1	8	21.11	21.12	21.05				
3	64QAM	1	14	21.14	21.14	21.11				
3	64QAM	8	0	20.03	20.00	19.99	21	3		
3	64QAM	8	4	20.04	20.00	19.94				
3	64QAM	8	7	20.02	20.04	19.96				
3	64QAM	15	0	19.99	19.99	19.95				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				614.7	631.5	648.3	24	0		
1.4	QPSK	1	0	23.05	23.03	22.98				
1.4	QPSK	1	3	23.03	23.00	22.90				
1.4	QPSK	1	5	23.01	23.01	22.94	23	1		
1.4	QPSK	3	0	23.03	23.03	22.98				
1.4	QPSK	3	3	23.03	23.00	22.95				
1.4	QPSK	6	0	22.03	21.98	21.94				
1.4	16QAM	1	0	22.27	22.28	22.17	23	1		
1.4	16QAM	1	3	22.28	22.28	22.15				
1.4	16QAM	1	5	22.25	22.22	22.20				
1.4	16QAM	3	0	22.01	21.97	21.90				
1.4	16QAM	3	1	22.02	21.99	21.92	22	2		
1.4	16QAM	3	3	22.00	21.99	21.92				
1.4	64QAM	1	0	21.17	21.17	21.12				
1.4	64QAM	1	3	21.18	21.18	21.07				
1.4	64QAM	1	5	21.17	21.20	21.12	22	2		
1.4	64QAM	3	0	21.10	21.10	21.03				
1.4	64QAM	3	1	21.11	21.07	20.99				
1.4	64QAM	3	3	21.13	21.12	21.05				
1.4	64QAM	6	0	20.03	19.96	19.90	21	3		

Band 66_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel				132072	132322	132572						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	20.56	20.59	20.58	21.5	0				
20	QPSK	1	49	20.62	20.76	20.66						
20	QPSK	1	99	20.61	20.73	20.62						
20	QPSK	50	0	20.55	20.60	20.59						
20	QPSK	50	24	20.59	20.66	20.62	21.5	0				
20	QPSK	50	50	20.58	20.65	20.62						
20	QPSK	100	0	20.60	20.61	20.56						
20	16QAM	1	0	20.54	20.56	20.53						
20	16QAM	1	49	20.57	20.70	20.63	21.5	0				
20	16QAM	1	99	20.57	20.67	20.61						
20	16QAM	50	0	20.54	20.59	20.56						
20	16QAM	50	24	20.53	20.59	20.60						
20	16QAM	50	50	20.56	20.64	20.61	21.5	0				
20	16QAM	100	0	20.59	20.60	20.53						
20	64QAM	1	0	20.52	20.55	20.56						
20	64QAM	1	49	20.55	20.70	20.63	21.5	0				
20	64QAM	1	99	20.57	20.70	20.57						
20	64QAM	50	0	20.02	20.04	20.05						
20	64QAM	50	24	20.08	20.09	20.11						
20	64QAM	50	50	20.06	20.08	20.08	21	0.5				
20	64QAM	100	0	20.09	20.05	20.03						
Channel				132047	132322	132597	Turn-up limit (dBm)		MPR (dB)			
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	20.54	20.55	20.53	21.5	0				
15	QPSK	1	37	20.60	20.74	20.61						
15	QPSK	1	74	20.57	20.72	20.60						
15	QPSK	36	0	20.52	20.58	20.58						
15	QPSK	36	20	20.55	20.60	20.55	21.5	0				
15	QPSK	36	39	20.54	20.62	20.58						
15	QPSK	75	0	20.57	20.57	20.54						
15	16QAM	1	0	20.51	20.51	20.51						
15	16QAM	1	37	20.56	20.64	20.58	21.5	0				
15	16QAM	1	74	20.59	20.61	20.60						
15	16QAM	36	0	20.51	20.52	20.50						
15	16QAM	36	20	20.50	20.56	20.53						
15	16QAM	36	39	20.49	20.60	20.60	21.5	0				
15	16QAM	75	0	20.58	20.53	20.51						
15	64QAM	1	0	20.47	20.48	20.51						
15	64QAM	1	37	20.53	20.69	20.60						
15	64QAM	1	74	20.56	20.66	20.57	21.5	0				
15	64QAM	36	0	20.00	20.02	19.98						
15	64QAM	36	20	20.07	20.08	20.09						
15	64QAM	36	39	19.99	20.07	20.03						
15	64QAM	75	0	20.02	20.04	19.99	21	0.5				
Channel				132022	132322	132622			Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	20.49	20.52	20.55	21.5	0				
10	QPSK	1	25	20.59	20.73	20.60						
10	QPSK	1	49	20.55	20.70	20.55						
10	QPSK	25	0	20.54	20.54	20.53						
10	QPSK	25	12	20.52	20.64	20.59	21.5	0				
10	QPSK	25	25	20.52	20.60	20.59						
10	QPSK	50	0	20.54	20.55	20.49						
10	16QAM	1	0	20.48	20.49	20.49						
10	16QAM	1	25	20.56	20.65	20.58	21.5	0				
10	16QAM	1	49	20.51	20.64	20.54						
10	16QAM	25	0	20.53	20.57	20.51						
10	16QAM	25	12	20.49	20.54	20.56						
10	16QAM	25	25	20.53	20.57	20.58	21.5	0				
10	16QAM	50	0	20.52	20.54	20.47						
10	64QAM	1	0	20.48	20.48	20.53						
10	64QAM	1	25	20.49	20.65	20.60						
10	64QAM	1	49	20.53	20.69	20.54	21.5	0				
10	64QAM	25	0	19.99	19.97	19.98						
10	64QAM	25	12	20.02	20.05	20.08						
10	64QAM	25	25	20.05	20.03	20.06						
10	64QAM	50	0	20.05	20.03	19.99	21	0.5				
Channel				131997	132322	132647			Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	20.55	20.57	20.54	21.5	0				
5	QPSK	1	12	20.60	20.73	20.62						
5	QPSK	1	24	20.54	20.69	20.55						
5	QPSK	12	0	20.48	20.58	20.56						
5	QPSK	12	7	20.55	20.61	20.60	21.5	0				
5	QPSK	12	13	20.52	20.61	20.61						
5	QPSK	25	0	20.59	20.54	20.54						
5	16QAM	1	0	20.53	20.51	20.49						
5	16QAM	1	12	20.52	20.66	20.57	21.5	0				
5	16QAM	1	24	20.51	20.61	20.58						
5	16QAM	12	0	20.50	20.55	20.54						
5	16QAM	12	7	20.51	20.54	20.53						
5	16QAM	12	13	20.53	20.59	20.58	21.5	0				
5	16QAM	25	0	20.55	20.56	20.48						
5	64QAM	1	0	20.45	20.54	20.55						
5	64QAM	1	12	20.54	20.69	20.59						
5	64QAM	1	24	20.55	20.63	20.52	21.5	0				
5	64QAM	12	0	19.97	19.99	20.02						
5	64QAM	12	7	20.03	20.07	20.08						
5	64QAM	12	13	20.02	20.07	20.01						
5	64QAM	25	0	20.05	20.03	19.98	21	0.5				
Channel				131987	132322	132657			Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5						
3	QPSK	1	0	20.51	20.53	20.52	21.5	0				
3	QPSK	1	8	20.60	20.69	20.61						
3	QPSK	1	14	20.55	20.72	20.58						
3	QPSK	8	0	20.52	20.58	20.55						
3	QPSK	8	4	20.54	20.62	20.57	21.5	0				
3	QPSK	8	7	20.56	20.62	20.57						
3	QPSK	15	0	20.57	20.57	20.51						
3	16QAM	1	0	20.53	20.55	20.49						
3	16QAM	1	8	20.54	20.63	20.56	21.5	0				
3	16QAM	1	14	20.56	20.65	20.57						
3	16QAM	8	0	20.50	20.56	20.51						
3	16QAM	8	4	20.46	20.54	20.59						
3	16QAM	8	7	20.55	20.57	20.55	21.5	0				
3	16QAM	15	0	20.55	20.59	20.48						
3	64QAM	1	0	20.50	20.51	20.50						
3	64QAM	1	8	20.48	20.67	20.62						
3	64QAM	1	14	20.55	20.64	20.50	21.5	0				
3	64QAM	8	0	19.96	19.99	20.04						
3	64QAM	8	4	20.07	20.05	20.07						
3	64QAM	8	7	20.02	20.07	20.01	21	0.5				
3	64QAM	15	0	20.02	20.03	19.98						
Channel				131979	132322	132665			Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3						
1.4	QPSK	1	0	20.50	20.52	20.53	21.5	0				
1.4	QPSK	1	3	20.60	20.70	20.63						
1.4	QPSK	1	5	20.57	20.72	20.55						
1.4	QPSK	3	0	20.54	20.59	20.55						
1.4	QPSK	3	1	20.52	20.64	20.58	21.5	0				
1.4	QPSK	3	3	20.51	20.62	20.55						
1.4	QPSK	6	0	20.55	20.54	20.51						
1.4	16QAM	1	0	20.51	20.52	20.46						
1.4	16QAM	1	3	20.52	20.68	20.61	21.5	0				
1.4	16QAM	1	5	20.52	20.60	20.54						
1.4	16QAM	3	0	20.48	20.57	20.55						
1.4	16QAM	3	1	20.47	20.56	20.54						
1.4	16QAM	3	3	20.51	20.62	20.55	21.5	0				
1.4	16QAM	6	0	20.53	20.53	20.48						
1.4	64QAM	1	0	20.46	20.49	20.52						
1.4	64QAM	1	3	20.50	20.66	20.56						
1.4	64QAM	1	5	20.51	20.66	20.51	21.5	0				
1.4	64QAM	3	0	20.45	20.45	20.47						
1.4	64QAM	3	1	20.44	20.60	20.50						
1.4	64QAM	3	3	20.47	20.63	20.45						
1.4	64QAM	6	0	20.07	20.01	19.98	21	0.5				

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	23.35	23.25	23.25	24	0		
20	QPSK	1	49	23.38	23.39	23.28				
20	QPSK	1	99	23.20	23.18	22.90	23	1		
20	QPSK	50	0	22.31	22.23	22.27				
20	QPSK	50	24	22.33	22.34	22.32	23	1		
20	QPSK	50	50	22.27	22.22	22.26				
20	QPSK	100	0	22.29	22.35	22.28	23	1		
20	16QAM	1	0	22.26	22.27	22.53				
20	16QAM	1	49	22.45	22.51	22.51	22	2		
20	16QAM	1	99	22.40	22.42	22.38				
20	16QAM	50	0	21.29	21.36	21.36	22	2		
20	16QAM	50	24	21.39	21.36	21.37				
20	16QAM	50	50	21.40	21.39	21.35	22	2		
20	16QAM	100	0	21.33	21.39	21.41				
20	64QAM	1	0	20.99	21.11	21.06	22	2		
20	64QAM	1	49	21.16	21.20	21.19				
20	64QAM	1	99	21.13	21.12	21.08	21	3		
20	64QAM	50	0	20.27	20.31	20.32				
20	64QAM	50	24	20.35	20.35	20.38	21	3		
20	64QAM	50	50	20.35	20.36	20.32				
20	64QAM	100	0	20.31	20.37	20.38				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.22	23.28	23.14	24	0		
15	QPSK	1	37	23.37	23.35	23.11				
15	QPSK	1	74	23.35	23.22	23.02	23	1		
15	QPSK	36	0	22.28	22.28	22.23				
15	QPSK	36	20	22.32	22.25	22.24	23	1		
15	QPSK	36	39	22.33	22.30	22.23				
15	QPSK	75	0	22.29	22.27	22.28	23	1		
15	16QAM	1	0	22.28	22.35	22.25				
15	16QAM	1	37	22.42	22.43	22.30	23	1		
15	16QAM	1	74	22.46	22.42	22.29				
15	16QAM	36	0	21.31	21.29	21.25	22	2		
15	16QAM	36	20	21.37	21.32	21.28				
15	16QAM	36	39	21.39	21.33	21.29	22	2		
15	16QAM	75	0	21.41	21.38	21.35				
15	64QAM	1	0	21.11	21.16	21.04	21	3		
15	64QAM	1	37	21.23	21.23	21.07				
15	64QAM	1	74	21.28	21.22	21.09	21	3		
15	64QAM	36	0	20.32	20.31	20.30				
15	64QAM	36	20	20.35	20.32	20.30				
15	64QAM	36	39	20.40	20.35	20.30	21	3		
15	64QAM	75	0	20.38	20.36	20.34				
Channel				37800	38000	38200	Tune-up limit (dBm)			
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.28	23.17	22.83	24	0		
10	QPSK	1	25	23.31	23.29	23.03				
10	QPSK	1	49	23.26	23.12	22.90	23	1		
10	QPSK	25	0	22.38	22.37	22.32				
10	QPSK	25	12	22.40	22.39	22.33	23	1		
10	QPSK	25	25	22.44	22.40	22.33				
10	QPSK	50	0	22.39	22.39	22.32	23	1		
10	16QAM	1	0	22.50	22.39	22.40				
10	16QAM	1	25	22.46	22.50	22.36	23	1		
10	16QAM	1	49	22.55	22.46	22.39				
10	16QAM	25	0	21.38	21.38	21.33	22	2		
10	16QAM	25	12	21.39	21.38	21.35				
10	16QAM	25	25	21.44	21.38	21.36	22	2		
10	16QAM	50	0	21.42	21.38	21.33				
10	64QAM	1	0	21.18	21.10	21.12	22	2		
10	64QAM	1	25	21.15	21.22	21.10				
10	64QAM	1	49	21.26	21.18	21.10	21	3		
10	64QAM	25	0	20.38	20.40	20.35				
10	64QAM	25	12	20.41	20.38	20.34				
10	64QAM	25	25	20.47	20.41	20.35	21	3		
10	64QAM	50	0	20.36	20.36	20.30				
Channel				37775	38000	38225	Tune-up limit (dBm)			
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.32	23.36	23.29	24	0		
5	QPSK	1	12	23.36	23.36	23.08				
5	QPSK	1	24	23.35	23.25	22.98	23	1		
5	QPSK	12	0	22.40	22.40	22.38				
5	QPSK	12	7	22.35	22.42	22.37	23	1		
5	QPSK	12	13	22.35	22.42	22.36				
5	QPSK	25	0	22.40	22.44	22.36	23	1		
5	16QAM	1	0	22.50	22.45	22.41				
5	16QAM	1	12	22.43	22.55	22.44	23	1		
5	16QAM	1	24	22.48	22.50	22.42				
5	16QAM	12	0	21.36	21.37	21.34	22	2		
5	16QAM	12	7	21.37	21.37	21.32				
5	16QAM	12	13	21.33	21.33	21.33	22	2		
5	16QAM	25	0	21.42	21.44	21.41				
5	64QAM	1	0	21.23	21.16	21.12	22	2		
5	64QAM	1	12	21.18	21.23	21.08				
5	64QAM	1	24	21.17	21.18	21.12	21	3		
5	64QAM	12	0	20.37	20.41	20.35				
5	64QAM	12	7	20.34	20.40	20.36				
5	64QAM	12	13	20.33	20.40	20.34	21	3		
5	64QAM	25	0	20.41	20.44	20.38				

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	22.45	22.50	22.32	23.25	0		
20	QPSK	1	49	22.48	22.53	22.35				
20	QPSK	1	99	22.43	22.50	22.30	23	0.25		
20	QPSK	50	0	22.06	22.08	22.08				
20	QPSK	50	24	22.15	22.20	22.12	23	0.25		
20	QPSK	50	50	22.07	22.10	22.09				
20	QPSK	100	0	22.04	22.15	22.11	23	0.25		
20	16QAM	1	0	22.19	22.21	22.24				
20	16QAM	1	49	22.32	22.26	22.35	23	0.25		
20	16QAM	1	99	22.35	22.07	22.45				
20	16QAM	50	0	21.20	21.17	21.27	22	1.25		
20	16QAM	50	24	21.19	21.11	21.27				
20	16QAM	50	50	21.30	21.09	21.21	22	1.25		
20	16QAM	100	0	21.16	21.12	21.33				
20	64QAM	1	0	20.88	20.89	20.95	22	1.25		
20	64QAM	1	49	21.04	20.88	21.06				
20	64QAM	1	99	20.89	20.88	21.02	22	1.25		
20	64QAM	50	0	20.13	20.05	20.29				
20	64QAM	50	24	20.14	20.15	20.30	21	2.25		
20	64QAM	50	50	20.21	20.05	20.31				
20	64QAM	100	0	20.21	20.08	20.37				
Channel				37825	38000	38175				
Frequency (MHz)				25775 <th>2595</th> <th>2612.5</th> <th></th> <th></th> <th colspan="2"></th>	2595	2612.5				
15	QPSK	1	0	22.35	22.38	22.25	23.25	0		
15	QPSK	1	37	22.39	22.42	22.28				
15	QPSK	1	37	22.39	22.42	22.19	23	0.25		
15	QPSK	36	0	22.13	22.06	22.18				
15	QPSK	36	20	22.11	22.15	22.12	23	0.25		
15	QPSK	36	36	22.09	22.08	22.02				
15	QPSK	75	0	22.14	22.21	22.18	23	0.25		
15	16QAM	1	0	22.10	22.22	22.21				
15	16QAM	1	37	22.26	22.25	22.45	23	0.25		
15	16QAM	74	22	22.30	22.17	22.44				
15	16QAM	36	0	21.11	21.12	21.28	22	1.25		
15	16QAM	36	20	21.25	21.12	21.33				
15	16QAM	36	39	21.21	21.04	21.29	22	1.25		
15	16QAM	75	0	21.25	21.14	21.25				
15	64QAM	1	0	20.88	20.86	20.95	22	1.25		
15	64QAM	1	37	20.92	20.88	21.09				
15	64QAM	1	74	21.01	20.69	21.13	21	2.25		
15	64QAM	36	0	20.13	20.05	20.21				
15	64QAM	36	20	20.22	20.04	20.24	21	2.25		
15	64QAM	36	39	20.22	20.04	20.27				
15	64QAM	75	0	20.11	20.13	20.37				
Channel				37800	38000	38200				
Frequency (MHz)				25750 <th>2595<th>26200</th><th></th><th></th><th colspan="2"></th></th>	2595 <th>26200</th> <th></th> <th></th> <th colspan="2"></th>	26200				
10	QPSK	1	0	22.43	22.44	22.34	23.25	0		
10	QPSK	1	25	22.38	22.44	22.22				
10	QPSK	1	49	22.28	22.36	22.15	23	0.25		
10	QPSK	25	0	22.12	22.04	22.12				
10	QPSK	25	12	22.17	22.15	22.06	23	0.25		
10	QPSK	25	25	22.10	22.02	22.07				
10	QPSK	50	0	22.09	22.16	22.03	23	0.25		
10	16QAM	1	0	22.09	22.12	22.19				
10	16QAM	1	25	22.31	22.27	22.45	23	0.25		
10	16QAM	1	49	22.31	22.06	22.35				
10	16QAM	25	0	21.15	21.12	21.21	22	1.25		
10	16QAM	25	12	21.18	21.18	21.26				
10	16QAM	25	25	21.27	21.08	21.30	22	1.25		
10	16QAM	50	0	20.20	20.05	20.26				
10	64QAM	1	0	20.87	20.90	20.95	22	1.25		
10	64QAM	1	25	20.97	20.82	21.14				
10	64QAM	1	49	20.95	20.76	21.05	21	2.25		
10	64QAM	25	0	20.09	20.04	20.19				
10	64QAM	25	12	20.21	20.08	20.25	21	2.25		
10	64QAM	25	25	20.22	20.05	20.34				
10	64QAM	50	0	20.20	20.03	20.20				
Channel				37775 <th>38000</th> <th>38225</th> <th></th> <th></th> <th colspan="2"></th>	38000	38225				
Frequency (MHz)				25725 <th>2595<th>26175</th><th></th><th></th><th colspan="2"></th></th>	2595 <th>26175</th> <th></th> <th></th> <th colspan="2"></th>	26175				
5	QPSK	1	0	22.30	22.44	22.20	23.25	0		
5	QPSK	1	12	22.42	22.37	22.21				
5	QPSK	1	24	22.26	22.40	22.23	23	0.25		
5	QPSK	12	0	22.10	22.06	22.05				
5	QPSK	12	7	22.10	22.16	22.05	23	0.25		
5	QPSK	12	13	22.09	22.12	22.07				
5	QPSK	25	0	22.07	22.17	22.12	23	0.25		
5	16QAM	1	0	22.13	22.25	22.17				
5	16QAM	1	12	22.35	22.21	22.37	23	0.25		
5	16QAM	1	24	22.26	22.13	22.44				
5	16QAM	12	0	21.10	21.08	21.31	22	1.25		
5	16QAM	12	7	21.09	21.14	21.25				
5	16QAM	12	13	21.25	21.09	21.30	22	1.25		
5	16QAM	25	0	21.25	21.15	21.36				
5	64QAM	1	0	20.87	20.79	20.97	22	1.25		
5	64QAM	1	12	21.01	20.87	21.05				
5	64QAM	1	24	21.01	20.78	21.09	21	2.25		
5	64QAM	12	0	20.09	20.13	20.16				
5	64QAM	12	7	20.09	20.05	20.30	21	2.25		
5	64QAM	12	13	20.16	20.08	20.28				
5	64QAM	25	0	20.19	20.07	20.32				

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	23.68	23.62	23.80	23.86	23.45	24.5	0		
20	QPSK	1	49	23.72	23.86	23.62	23.91	23.15				
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98				
20	QPSK	50	0	22.13	22.18	22.28	22.48	22.35				
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38	23.5	1		
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.36				
20	QPSK	100	0	22.29	22.23	22.23	22.42	22.38				
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08				
20	16QAM	1	49	22.23	22.33	22.50	22.30	22.16	23.5	1		
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14				
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11				
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09				
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	22.5	2		
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09				
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79				
20	64QAM	1	49	20.90	21.00	21.20	21.00	20.88				
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82	21.5	3		
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05				
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06				
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01				
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08				
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	23.61	23.70	23.84	23.74	23.51	24.5	0		
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34				
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13				
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06				
15	QPSK	36	20	22.16	22.28	22.37	22.19	22.07	23.5	1		
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05				
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07				
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12				
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17	23.5	1		
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14				
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00				
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99				
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.99	22.5	2		
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08				
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.62				
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84				
15	64QAM	1	74	20.98	21.07	21.22	21.09	20.85	22.5	2		
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02				
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01				
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99				
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05	21.5	3		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.47	23.73	23.89	23.70	23.29	24.5	0		
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12				
10	QPSK	1	49	23.65	23.83	23.82	23.74	23.86				
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11				
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10	23.5	1		
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11				
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13				
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20				
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19	23.5	1		
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22				
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14				
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14				
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14	22.5	2		
10	16QAM	50	0	21.16	21.28	21.37	21.23	21.14				
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86				
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88				
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90	21.5	3		
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16				
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14				
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13				
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10				
Channel				39675	40148	40600	41053	41505	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.5	2590.5	2640.30	2687.5				
5	QPSK	1	0	23.71	23.73	23.85	23.68	23.46	24.5	0		
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16				
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01				
5	QPSK	12	0	22.28	22.28	22.42	22.23	22.14				
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14	23.5	1		
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11				
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17				
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20				
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.20	23.5	1		
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23				
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09				
5	16QAM	12	7	21.16	21.22	21.36	21.16	21.09				
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07	22.5	2		
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17				
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92				
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92				
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92	21.5	3		
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13				
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14				
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10				
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14				

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	21.83	21.96	21.88	22.11	21.83	22.75	0		
20	QPSK	1	49	21.88	22.02	21.95	22.20	21.88				
20	QPSK	50	0	21.84	21.98	21.90	22.14	21.87				
20	QPSK	50	0	21.92	21.98	21.85	21.90	21.85				
20	QPSK	50	24	21.94	22.00	21.88	22.02	21.88				
20	QPSK	50	50	21.87	21.88	21.79	21.82	21.78	22.75	0		
20	QPSK	100	0	21.88	21.93	21.84	21.95	21.82				
20	16QAM	1	0	21.83	21.73	21.71	21.96	22.01				
20	16QAM	1	49	21.87	21.74	21.74	22.15	22.19				
20	16QAM	50	0	21.81	21.74	21.74	22.15	22.19				
20	16QAM	50	0	21.92	21.91	21.98	21.29	21.44	22.5	0.25		
20	16QAM	50	24	21.11	21.03	20.96	21.31	21.41				
20	16QAM	50	50	21.10	20.99	20.87	21.35	21.40				
20	16QAM	100	0	21.14	21.02	20.95	21.33	21.43				
20	64QAM	1	0	20.83	20.74	20.68	20.95	21.13				
20	64QAM	1	49	20.82	20.80	20.82	21.08	21.18	22.5	0.25		
20	64QAM	1	99	20.80	20.77	20.81	21.11	21.13				
20	64QAM	50	0	20.07	19.98	19.94	20.26	20.42				
20	64QAM	50	24	20.09	20.02	19.95	20.29	20.35				
20	64QAM	50	50	20.05	19.95	19.89	20.25	20.37				
20	64QAM	100	0	20.10	19.99	19.88	20.31	20.40				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.1	2593	2637.8	2682.5				
15	QPSK	1	0	21.76	21.89	21.72	21.96	21.74	22.75	0		
15	QPSK	1	74	21.74	21.86	21.74	22.17	21.78				
15	QPSK	1	74	21.76	21.71	21.66	21.98	21.11				
15	QPSK	36	0	21.86	21.89	21.72	21.78	21.79				
15	QPSK	36	20	21.87	21.91	21.75	21.88	21.77				
15	QPSK	36	39	21.71	21.71	21.65	21.77	21.70	22.75	0		
15	QPSK	75	0	21.73	21.83	21.76	21.88	21.73				
15	QPSK	75	0	21.97	21.86	21.86	21.98	21.75				
15	16QAM	1	37	22.01	21.93	21.84	22.21	22.23				
15	16QAM	1	74	21.85	21.82	21.62	22.27	22.28				
15	16QAM	36	0	21.18	21.16	21.01	21.33	21.56	22.5	0.25		
15	16QAM	36	20	21.18	21.10	21.00	21.41	21.47				
15	16QAM	36	39	21.23	21.06	21.01	21.49	21.48				
15	16QAM	75	0	21.24	21.15	21.01	21.40	21.51				
15	64QAM	1	0	20.87	20.80	20.80	20.98	20.98				
15	64QAM	1	37	20.95	20.88	20.85	21.19	21.24	21.5	1.25		
15	64QAM	1	74	20.90	20.83	20.58	21.19	21.18				
15	64QAM	36	0	20.92	20.10	20.09	20.38	20.50				
15	64QAM	36	20	20.14	20.17	20.01	20.44	20.39				
15	64QAM	36	39	20.19	20.08	20.02	20.39	20.50				
15	64QAM	75	0	20.17	20.09	19.94	20.35	20.48				
Channel				39710	40160	40620	41058	41505				
Frequency (MHz)				2501	2547	2592	2638	2683				
10	QPSK	1	0	21.77	21.85	21.83	22.06	21.78	22.75	0		
10	QPSK	1	25	21.70	21.02	21.82	22.00	21.78				
10	QPSK	1	49	21.69	21.78	21.68	22.02	21.02				
10	QPSK	25	0	21.84	21.89	21.80	21.75	21.78				
10	QPSK	25	12	21.78	21.84	21.72	21.88	21.73				
10	QPSK	25	25	21.72	21.78	21.65	21.70	21.67	22.75	0		
10	QPSK	60	0	21.72	21.74	21.74	21.83	21.68				
10	16QAM	1	0	21.98	21.81	21.81	22.00	22.14				
10	16QAM	1	25	21.98	21.94	21.83	22.26	22.04				
10	16QAM	1	49	21.95	21.89	21.64	22.09	22.03				
10	16QAM	25	0	21.26	21.09	21.02	21.33	21.59	22.5	0.25		
10	16QAM	25	12	21.19	21.13	21.08	21.39	21.53				
10	16QAM	25	25	21.25	21.09	21.00	21.39	21.54				
10	16QAM	50	0	21.22	21.06	21.00	21.44	21.48				
10	64QAM	1	0	20.89	20.81	20.73	21.10	21.18				
10	64QAM	1	25	20.88	20.95	20.75	21.14	21.20	21.5	1.25		
10	64QAM	1	49	20.84	20.85	20.63	21.16	21.25				
10	64QAM	25	0	20.17	20.08	20.06	20.36	20.48				
10	64QAM	25	12	20.15	20.14	20.00	20.41	20.42				
10	64QAM	25	25	20.16	20.08	20.00	20.40	20.47				
10	64QAM	50	0	20.14	20.13	19.97	20.40	20.45				
Channel				39675	40140	40620	41053	41505				
Frequency (MHz)				2499.5	2543.5	2593	2640.30	2687.5				
5	QPSK	1	0	21.74	21.88	21.79	22.02	21.70	22.75	0		
5	QPSK	1	24	21.70	21.78	21.62	22.01	21.09				
5	QPSK	12	0	21.79	21.86	21.77	21.76	21.72				
5	QPSK	12	7	21.84	21.86	21.72	21.88	21.73				
5	QPSK	25	0	21.72	21.74	21.74	21.83	21.68				
5	QPSK	25	0	21.73	21.78	21.72	21.90	21.71	22.75	0		
5	16QAM	1	0	21.94	21.78	21.85	22.04	22.25				
5	16QAM	1	12	21.92	21.89	21.87	22.24	22.28				
5	16QAM	1	24	21.85	21.88	21.63	22.21	22.26				
5	16QAM	12	0	21.25	21.12	21.02	21.38	21.52				
5	16QAM	12	7	21.22	21.12	21.11	21.39	21.52	22.5	0.25		
5	16QAM	25	0	21.20	21.06	21.09	21.48	21.48				
5	16QAM	25	0	21.25	21.14	21.03	21.39	21.53				
5	64QAM	1	0	20.91	20.89	20.79	21.03	21.25				
5	64QAM	1	12	20.92	20.88	20.73	21.15	21.19				
5	64QAM	1	24	20.90	20.89	20.65	21.17	21.17	21.5	1.25		
5	64QAM	12	0	20.21	20.07	20.05	20.39	20.50				
5	64QAM	12	7	20.20	20.10	20.08	20.40	20.40				
5	64QAM	12	13	20.19	20.02	19.99	20.50	20.46				
5	64QAM	25	0	20.18	20.07	19.99	20.46	20.44				



Reduced Power for DSI 2

GSMB50_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		32.26	32.26	32.27	33.50	23.26	23.26	23.27	24.50	
GP-RS 1 Tx slot		32.24	32.24	32.17	33.50	23.24	23.24	23.17	24.50	
GP-RS 2 Tx slots		30.68	30.69	30.59	32.00	24.68	24.69	24.59	25.00	
GP-RS 3 Tx slots		29.26	29.26	29.16	30.00	23.02	23.00	24.50	25.74	
GP-RS 4 Tx slots		26.69	26.69	26.65	28.00	23.69	23.69	23.65	25.00	
EDGE(GMSK 1 Tx slot)		32.14	32.17	32.07	33.50	23.14	23.17	23.07	24.50	
EDGE(GMSK 2 Tx slot)		30.62	30.60	30.49	32.00	24.62	24.60	24.49	25.00	
EDGE(GMSK 3 Tx slot)		26.18	26.13	26.08	30.00	23.92	23.87	23.82	25.74	
EDGE(GMSK 4 Tx slot)		26.58	26.63	26.57	28.00	23.58	23.63	23.57	25.00	
EDGE(PSK 1 Tx slot)		26.57	26.56	26.57	28.00	17.57	17.57	17.57	19.50	
EDGE(PSK 2 Tx slot)		24.52	24.58	24.53	25.50	15.52	15.58	15.53	20.50	
EDGE(PSK 3 Tx slot)		22.52	22.66	22.55	24.50	18.26	18.40	18.29	20.24	
EDGE(PSK 4 Tx slot)		22.00	22.11	22.05	22.50	19.00	19.11	19.05	19.50	

GSMB500_Ant0	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	Tx Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8		
GSM 1 Tx slot		29.51	29.82	29.50	30.50	20.51	20.82	20.50	21.50	
GP-RS 1 Tx slot		29.49	29.79	29.48	30.50	20.49	20.79	20.48	21.50	
GP-RS 2 Tx slots		27.90	28.07	27.97	29.00	21.90	22.07	21.97	23.00	
GP-RS 3 Tx slots		26.30	26.57	26.28	27.50	22.04	22.31	22.02	22.74	
GP-RS 4 Tx slots		23.92	24.15	23.91	25.00	20.92	21.15	20.91	22.00	
EDGE(GMSK 1 Tx slot)		29.36	29.70	29.36	30.50	20.36	20.70	20.36	21.50	
EDGE(GMSK 2 Tx slot)		27.65	27.91	27.72	29.00	21.65	21.91	21.72	23.00	
EDGE(GMSK 3 Tx slot)		26.21	26.47	26.19	27.00	21.95	22.21	21.93	22.74	
EDGE(GMSK 4 Tx slot)		23.77	23.99	23.80	25.00	20.77	20.99	20.80	22.00	
EDGE(PSK 1 Tx slot)		25.88	25.84	25.89	27.50	16.88	16.84	16.89	16.50	
EDGE(PSK 2 Tx slot)		24.05	24.21	24.08	25.50	18.05	18.21	18.08	19.50	
EDGE(PSK 3 Tx slot)		22.24	22.32	22.17	23.50	17.98	18.06	17.91	19.24	
EDGE(PSK 4 Tx slot)		20.75	20.89	20.77	21.50	17.75	17.89	17.77	18.50	

Band		WCDMA II_Ant 0				Tune-up Limit (dBm)	WCDMA II_Ant 1				Tune-up Limit (dBm)
TX Channel		9262	9400	9538			9262	9400	9538		
Rx Channel		9622	9800	9938		9622	9800	9938			
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6			
3GPP Rel 99	AMR 12.2Kbps	23.55	23.57	23.50	24.50	16.80	16.77	16.72	17.50		
3GPP Rel 99	RMC 12.2Kbps	23.57	23.58	23.53	24.50	16.82	16.83	16.76	17.50		
3GPP Rel 6	HSDPA Subtest-1	22.51	22.76	22.79	24.50	15.77	15.93	15.87	17.50		
3GPP Rel 6	HSDPA Subtest-2	22.83	22.72	22.81	24.50	15.74	15.58	15.50	17.50		
3GPP Rel 6	HSDPA Subtest-3	22.09	22.28	22.32	24.00	15.29	15.45	15.47	17.00		
3GPP Rel 6	HSDPA Subtest-4	22.08	22.21	22.25	24.00	15.29	15.40	15.41	17.00		
3GPP Rel 6	DCHSDPA Subtest-1	22.55	22.63	22.74	24.50	15.64	15.80	15.82	17.50		
3GPP Rel 6	DCHSDPA Subtest-2	22.59	22.61	22.67	24.50	15.70	15.89	15.75	17.50		
3GPP Rel 6	DCHSDPA Subtest-3	22.24	22.16	22.27	24.00	15.21	15.36	15.33	17.00		
3GPP Rel 6	DCHSDPA Subtest-4	22.06	22.11	22.20	24.00	15.15	15.29	15.34	17.00		
3GPP Rel 6	HSUPA Subtest-1	22.56	22.72	22.79	24.50	15.55	15.68	15.65	17.50		
3GPP Rel 6	HSUPA Subtest-2	21.52	21.72	21.81	22.50	14.76	14.97	14.93	15.50		
3GPP Rel 6	HSUPA Subtest-3	22.54	22.73	22.81	23.50	15.77	15.97	15.95	16.50		
3GPP Rel 6	HSUPA Subtest-4	21.06	21.22	21.28	22.50	14.26	14.51	14.47	15.50		
3GPP Rel 6	HSUPA Subtest-5	22.50	22.70	22.80	24.50	15.76	15.94	15.94	17.50		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.47	21.58	21.66	22.50	14.69	14.76	14.77	15.50		

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	23.66	23.65	23.56	24.50	21.34	21.31	21.31	22.50		
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.58	24.50	21.37	21.38	21.36	22.50		
3GPP Rel 6	HSDPA Subtest-1	22.52	22.54	22.51	24.50	20.59	20.59	20.53	22.50		
3GPP Rel 6	HSDPA Subtest-2	22.55	22.52	22.51	24.50	20.65	20.59	20.59	22.50		
3GPP Rel 6	HSDPA Subtest-3	22.11	22.05	22.03	23.50	20.20	20.17	20.08	21.50		
3GPP Rel 6	HSDPA Subtest-4	22.08	22.01	22.02	23.50	20.17	20.13	20.09	21.50		
3GPP Rel 6	DCHSDPA Subtest-1	22.67	22.65	22.57	24.50	20.69	20.62	20.63	22.50		
3GPP Rel 6	DCHSDPA Subtest-2	22.65	22.57	22.65	24.50	20.74	20.75	20.64	22.50		
3GPP Rel 6	DCHSDPA Subtest-3	22.06	21.90	21.96	23.50	20.14	20.13	19.96	21.50		
3GPP Rel 6	DCHSDPA Subtest-4	22.02	21.90	21.95	23.50	19.97	19.97	19.97	21.50		
3GPP Rel 6	HSUPA Subtest-1	22.60	22.59	22.57	24.50	20.58	20.59	20.55	22.50		
3GPP Rel 6	HSUPA Subtest-2	21.49	21.50	21.45	22.50	19.10	19.11	19.06	20.50		
3GPP Rel 6	HSUPA Subtest-3	22.50	22.47	22.46	23.50	20.11	20.09	20.06	21.50		
3GPP Rel 6	HSUPA Subtest-4	20.86	20.98	20.96	22.50	18.64	18.62	18.58	20.50		
3GPP Rel 6	HSUPA Subtest-5	22.57	22.58	22.55	24.50	20.66	20.71	20.64	22.50		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.35	21.38	21.35	22.50	18.99	18.99	19.03	20.50		

GSMB50_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		27.66	27.81	28.06	29.00	16.66	16.81	16.86	20.00	
GP-RS 1 Tx slot		27.63	27.74	28.05	29.00	16.63	16.74	16.95	20.00	
GP-RS 2 Tx slots		26.67	27.07	27.05	27.50	20.67	21.07	21.05	21.50	
GP-RS 3 Tx slots		24.72	24.80	25.12	25.50	20.46	20.54	20.86	21.24	
GP-RS 4 Tx slots		23.73	24.05	24.07	24.50	20.73	21.08	21.07	21.50	
EDGE(GMSK 1 Tx slot)		27.49	27.60	27.89	29.00	18.49	18.60	18.89	20.00	
EDGE(GMSK 2 Tx slot)		26.60	26.94	26.96	27.50	20.60	20.94	20.96	21.50	
EDGE(GMSK 3 Tx slot)		24.67	24.64	25.00	25.50	20.41	20.38	20.74	21.24	
EDGE(GMSK 4 Tx slot)		23.65	23.98	24.02	24.50	20.65	20.98	21.02	21.50	
EDGE(PSK 1 Tx slot)		22.43	22.37	22.31	24.00	15.43	15.37	15.51	16.00	
EDGE(PSK 2 Tx slot)		21.39	21.49	21.44	22.00	15.38	15.43	15.44	16.00	
EDGE(PSK 3 Tx slot)		19.32	19.41	19.34	20.00	15.06	15.15	15.08	15.74	
EDGE(PSK 4 Tx slot)		18.12	18.24	18.10	19.00	15.12	15.24	15.10	16.00	

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		23.77	23.79	23.85	24.00	14.77	14.79	14.65	15.00
GP-RS 1 Tx slot		23.75	23.78	23.63	24.00	14.75	14.78	14.63	15.00
GP-RS 2 Tx slots		22.73	22.85	22.64	23.50	16.73	16.85	16.64	17.50
GP-RS 3 Tx slots		20.72	20.84	20.63	21.50	16.48	16.58	16.37	17.24
GP-RS 4 Tx slots		19.72	19.92	19.64	20.50	16.72	16.82	16.64	17.50
EDGE(GMSK 1 Tx slot)		23.75	23.78	23.65	24.00	14.75	14.78	14.65	15.00
EDGE(GMSK 2 Tx slot)		22.73	22.85	22.65	23.50	16.73	16.85	16.65	17.50
EDGE(GMSK 3 Tx slot)		20.73	20.85	20.64	21.50	16.47	16.59	16.38	17.24
EDGE(GMSK 4 Tx slot)		19.72	19.82	19.66	20.50	16.72	16.82	16.66	17.50
EDGE(PSK 1 Tx slot)		19.96	20.20	20.29	21.00	10.96	11.20	11.29	12.00
EDGE(PSK 2 Tx slot)		18.00	19.19	19.34	20.00	12.00	13.19	13.34	14.00
EDGE(PSK 3 Tx slot)		16.76	17.16	17.23	18.00	12.50	12.90	12.97	13.74
EDGE(PSK 4 Tx slot)		15.78	15.97	15.93	16.00	12.78	12.97	12.93	13.00

Band		WCDMA IV_Ant 0				Tune-up Limit (dBm)	WCDMA IV_Ant 1				Tune-up Limit (dBm)
TX Channel		1312	1413	1513			1312	1413	1513		
Rx Channel		1557	1658	1758		1557	1658	1758			
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6			
3GPP Rel 99	AMR 12.2Kbps	23.28	23.37	23.23	24.50	17.07	17.19	16.98	18.00		
3GPP Rel 99	RMC 12.2Kbps	23.32	23.42	23.26	24.50	17.14	17.20	17.02	18.00		
3GPP Rel 6	HSDPA Subtest-1	22.66	22.65	22.65	24.50	16.13	16.15	16.13	18.00		
3GPP Rel 6	HSDPA Subtest-2	22.66	22.55	22.58	24.50	16.06	16.19	16.26	18.00		
3GPP Rel 6	HSDPA Subtest-3	22.18	22.07	22.14	24.00	15.57	15.71	15.63	17.50		
3GPP Rel 6	HSDPA Subtest-4	22.13	22.05	22.14	24.00	15.00	15.64	15.56	17.50		
3GPP Rel 6	DCHSDPA Subtest-1	22.62	22.67	22.63	24.50	16.16	16.22	16.13	18.00		
3GPP Rel 6	DCHSDPA Subtest-2	22.66	22.66	22.52	24.50	16.17	16.24	16.10	18.00		
3GPP Rel 6	DCHSDPA Subtest-3	22.12	22.16	22.07	24.00	15.69	15.66	15.69	17.50		
3GPP Rel 6	DCHSDPA Subtest-4	22.02	22.15	22.03	24.00	15.76	15.53	15.68	17.50		
3GPP Rel 6	HSPA Subtest-1	22.52	22.54	22.51	24.50	16.05	16.10	16.11	18.00		
3GPP Rel 6	HSPA Subtest-2	22.32	22.34	22.31	24.50	16.13	16.22	16.03	18.00		
3GPP Rel 6	HSPA Subtest-3	22.39	22.48	22.36	23.50	16.19	16.23	16.00	17.00		
3GPP Rel 6	HSPA Subtest-4	20.89	20.93	20.96	22.50	14.63	14.68	14.54	16.00		
3GPP Rel 6	HSPA Subtest-5	22.55	22.56	22.53	24.50	16.13	16.13	16.08	18.00		
3GPP Rel 7	HSPA+ (100MHz) Subtest-1	21.21	21.29	21.25	22.50	14.84	15.12	14.96	16.00		



Band 2_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel				18700	18900	19100					
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	22.19	22.21	22.22	23.5	0			
20	QPSK	1	49	22.31	22.39	22.28					
20	QPSK	1	99	22.30	22.23	22.23					
20	QPSK	50	0	21.66	21.68	21.70	23	0.5			
20	QPSK	50	24	21.66	21.79	21.72					
20	QPSK	50	50	21.65	21.67	21.67					
20	QPSK	100	0	21.69	21.76	21.70	23	0.5			
20	16QAM	1	0	21.78	21.84	21.85					
20	16QAM	1	49	21.88	21.98	22.07					
20	16QAM	1	99	21.68	21.83	21.96	22	1.5			
20	16QAM	50	0	20.53	20.66	20.83					
20	16QAM	50	24	20.58	20.70	20.85					
20	16QAM	50	50	20.52	20.70	20.81	22	1.5			
20	16QAM	100	0	20.56	20.69	20.81					
20	64QAM	1	0	20.66	20.75	20.79					
20	64QAM	1	49	20.73	20.88	20.99	22	1.5			
20	64QAM	1	99	20.59	20.80	20.95					
20	64QAM	50	0	19.53	19.65	19.82					
20	64QAM	50	24	19.57	19.70	19.82	21	2.5			
20	64QAM	50	50	19.52	19.68	19.78					
20	64QAM	100	0	19.55	19.71	19.80					
Channel				18675	18900	19125	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	21.94	22.13	22.26	23.5	0			
15	QPSK	1	37	22.01	22.29	22.35					
15	QPSK	1	74	21.93	22.23	22.33					
15	QPSK	36	0	21.48	21.69	21.86	23	0.5			
15	QPSK	36	20	21.53	21.72	21.82					
15	QPSK	36	39	21.53	21.74	21.78					
15	QPSK	75	0	21.51	21.72	21.85	23	0.5			
15	16QAM	1	0	21.73	21.91	21.96					
15	16QAM	1	37	21.83	22.04	22.06					
15	16QAM	1	74	21.75	21.95	21.98	22	1.5			
15	16QAM	36	0	20.54	20.70	20.86					
15	16QAM	36	20	20.54	20.71	20.83					
15	16QAM	36	39	20.57	20.73	20.78	22	1.5			
15	16QAM	75	0	20.54	20.74	20.85					
15	64QAM	1	0	20.67	20.83	20.94					
15	64QAM	1	37	20.74	20.97	21.07	22	1.5			
15	64QAM	1	74	20.62	20.86	20.92					
15	64QAM	36	0	19.56	19.73	19.87					
15	64QAM	36	20	19.54	19.71	19.81	21	2.5			
15	64QAM	36	39	19.59	19.76	19.77					
15	64QAM	75	0	19.53	19.72	19.83					
Channel				18690	18900	19150	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	21.86	22.19	22.29	23.5	0			
10	QPSK	1	25	21.96	22.23	22.27					
10	QPSK	1	49	21.97	22.23	22.29					
10	QPSK	25	0	21.48	21.72	21.87	23	0.5			
10	QPSK	25	12	21.50	21.72	21.81					
10	QPSK	25	25	21.52	21.73	21.83					
10	QPSK	50	0	21.55	21.73	21.86	23	0.5			
10	16QAM	1	0	21.80	21.94	22.06					
10	16QAM	1	25	21.81	21.99	22.01					
10	16QAM	1	49	21.77	21.91	22.01	22	1.5			
10	16QAM	25	0	20.53	20.73	20.88					
10	16QAM	25	12	20.56	20.71	20.80					
10	16QAM	25	25	20.54	20.74	20.84	22	1.5			
10	16QAM	50	0	20.55	20.71	20.86					
10	64QAM	1	0	20.75	20.85	21.07					
10	64QAM	1	25	20.73	20.91	21.02	22	1.5			
10	64QAM	1	49	20.70	20.88	21.05					
10	64QAM	25	0	19.51	19.69	19.87					
10	64QAM	25	12	19.54	19.69	19.78	21	2.5			
10	64QAM	25	25	19.55	19.71	19.82					
10	64QAM	50	0	19.53	19.67	19.81					
Channel				18625	18800	19175	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	21.93	22.19	22.23	23.5	0			
5	QPSK	1	12	21.96	22.31	22.33					
5	QPSK	1	24	21.99	22.22	22.27					
5	QPSK	12	0	21.50	21.74	21.78	23	0.5			
5	QPSK	12	7	21.49	21.73	21.81					
5	QPSK	12	13	21.51	21.73	21.80					
5	QPSK	25	0	21.54	21.76	21.83	23	0.5			
5	16QAM	1	0	21.74	21.91	21.95					
5	16QAM	1	12	21.78	22.03	21.92					
5	16QAM	1	24	21.72	21.95	21.96	22	1.5			
5	16QAM	12	0	20.54	20.73	20.78					
5	16QAM	12	7	20.52	20.70	20.78					
5	16QAM	12	13	20.54	20.73	20.80	22	1.5			
5	16QAM	25	0	20.55	20.74	20.81					
5	64QAM	1	0	20.71	20.85	21.06					
5	64QAM	1	12	20.70	20.95	21.00	22	1.5			
5	64QAM	1	24	20.77	20.88	20.98					
5	64QAM	12	0	19.58	19.77	19.81					
5	64QAM	12	7	19.57	19.75	19.82	21	2.5			
5	64QAM	12	13	19.57	19.75	19.84					
5	64QAM	25	0	19.54	19.69	19.80					
Channel				18615	18900	19185	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1850.5	1880	1908.5					
3	QPSK	1	0	21.90	22.19	22.26	23.5	0			
3	QPSK	1	8	21.90	22.20	22.25					
3	QPSK	1	14	21.95	22.18	22.31					
3	QPSK	8	0	21.46	21.69	21.79	23	0.5			
3	QPSK	8	4	21.43	21.67	21.75					
3	QPSK	8	7	21.46	21.69	21.75					
3	QPSK	15	0	21.45	21.64	21.72	23	0.5			
3	16QAM	1	0	21.71	21.83	21.94					
3	16QAM	1	8	21.65	21.86	21.83					
3	16QAM	1	14	21.71	21.83	21.93	22	1.5			
3	16QAM	8	0	20.53	20.72	20.83					
3	16QAM	8	4	20.47	20.71	20.82					
3	16QAM	8	7	20.50	20.70	20.79	22	1.5			
3	16QAM	15	0	20.50	20.67	20.76					
3	64QAM	1	0	20.62	20.86	20.91					
3	64QAM	1	8	20.60	20.82	20.86	22	1.5			
3	64QAM	1	14	20.63	20.84	20.93					
3	64QAM	8	0	19.54	19.71	19.80					
3	64QAM	8	4	19.48	19.71	19.80	21	2.5			
3	64QAM	8	7	19.49	19.70	19.79					
3	64QAM	15	0	19.46	19.64	19.76					
Channel				18607	18900	19193	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0			
1.4	QPSK	1	3	22.00	22.20	22.32					
1.4	QPSK	1	5	21.95	22.19	22.30					
1.4	QPSK	3	0	22.00	22.18	22.27	23	0.5			
1.4	QPSK	3	1	21.96	22.21	22.29					
1.4	QPSK	3	3	22.05	22.21	22.30					
1.4	QPSK	6	0	21.44	21.68	21.77	23	0.5			
1.4	16QAM	1	0	21.65	21.87	21.84					
1.4	16QAM	1	3	21.68	21.89	21.94					
1.4	16QAM	1	5	21.61	21.86	21.90	23	0.5			
1.4	16QAM	3	0	21.46	21.78	21.79					
1.4	16QAM	3	1	21.46	21.66	21.80					
1.4	16QAM	3	3	21.51	21.69	21.78	22	1.5			
1.4	16QAM	6	0	20.54	20.73	20.84					
1.4	64QAM	1	0	20.61	20.80	20.85					
1.4	64QAM	1	3	20.63	20.84	20.89	22	1.5			
1.4	64QAM	1	5	20.65	20.86	20.92					
1.4	64QAM	3	0	20.55	20.75	20.86					
1.4	64QAM	3	1	20.56	20.76	20.88	22	1.5			
1.4	64QAM	3	3	20.57	20.78	20.84					
1.4	64QAM	6	0	19.44	19.62	19.75					

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	16.12	16.15	16.08	17	0		
20	QPSK	1	49	16.35	16.39	16.37				
20	QPSK	1	99	16.31	16.33	16.28				
20	QPSK	50	0	16.26	16.27	16.24				
20	QPSK	50	24	16.33	16.35	16.34	17	0		
20	QPSK	50	50	16.31	16.34	16.33				
20	QPSK	100	0	16.28	16.32	16.27				
20	16QAM	1	0	16.09	16.08	16.03				
20	16QAM	1	49	16.34	16.36	16.32	17	0		
20	16QAM	1	99	16.30	16.27	16.25				
20	16QAM	50	0	16.23	16.25	16.23				
20	16QAM	50	24	16.24	16.33	16.32				
20	16QAM	50	50	16.27	16.32	16.28	17	0		
20	16QAM	100	0	16.26	16.31	16.20				
20	64QAM	1	0	16.05	16.11	16.03				
20	64QAM	1	49	16.30	16.38	16.34				
20	64QAM	1	99	16.25	16.30	16.27	17	0		
20	64QAM	50	0	16.22	16.23	16.20				
20	64QAM	50	24	16.24	16.33	16.30				
20	64QAM	50	50	16.26	16.31	16.28				
20	64QAM	100	0	16.24	16.28	16.22	17	0		
Channel				20025	20175	20325				
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	16.05	16.13	16.06	17	0		
15	QPSK	1	37	16.34	16.36	16.30				
15	QPSK	1	74	16.29	16.28	16.26				
15	QPSK	36	0	16.21	16.24	16.19				
15	QPSK	36	20	16.30	16.33	16.33	17	0		
15	QPSK	36	39	16.26	16.31	16.30				
15	QPSK	75	0	16.27	16.25	16.26				
15	16QAM	1	0	16.06	16.03	15.98				
15	16QAM	1	37	16.18	16.34	16.29	17	0		
15	16QAM	1	74	16.25	16.21	16.18				
15	16QAM	36	0	16.20	16.21	16.18				
15	16QAM	36	20	16.22	16.26	16.26				
15	16QAM	36	39	16.22	16.27	16.21	17	0		
15	16QAM	75	0	16.23	16.25	16.19				
15	64QAM	1	0	15.99	16.06	15.96				
15	64QAM	1	37	16.28	16.37	16.30				
15	64QAM	1	74	16.18	16.27	16.21	17	0		
15	64QAM	36	0	16.16	16.17	16.16				
15	64QAM	36	20	16.23	16.26	16.24				
15	64QAM	36	39	16.21	16.30	16.25				
15	64QAM	75	0	16.22	16.24	16.21	17	0		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	16.10	16.14	16.04	17	0		
10	QPSK	1	25	16.29	16.32	16.36				
10	QPSK	1	49	16.30	16.31	16.24				
10	QPSK	25	0	16.19	16.24	16.19				
10	QPSK	25	12	16.30	16.31	16.30	17	0		
10	QPSK	25	25	16.29	16.32	16.32				
10	QPSK	50	0	16.27	16.31	16.20				
10	16QAM	1	0	16.03	16.04	16.00				
10	16QAM	1	25	16.30	16.29	16.25	17	0		
10	16QAM	1	49	16.28	16.25	16.19				
10	16QAM	25	0	16.21	16.24	16.16				
10	16QAM	25	12	16.19	16.29	16.30				
10	16QAM	25	25	16.20	16.27	16.24	17	0		
10	16QAM	50	0	16.21	16.28	16.19				
10	64QAM	1	0	16.03	16.09	16.01				
10	64QAM	1	25	16.29	16.32	16.31				
10	64QAM	1	49	16.24	16.23	16.22	17	0		
10	64QAM	25	0	16.16	16.16	16.15				
10	64QAM	25	12	16.17	16.27	16.23				
10	64QAM	25	25	16.21	16.26	16.26				
10	64QAM	50	0	16.22	16.27	16.21	17	0		
Channel				19975	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	16.11	16.10	16.07	17	0		
5	QPSK	1	12	16.29	16.34	16.30				
5	QPSK	1	24	16.27	16.28	16.25				
5	QPSK	12	0	16.20	16.23	16.23				
5	QPSK	12	7	16.26	16.29	16.29	17	0		
5	QPSK	12	13	16.25	16.30	16.31				
5	QPSK	25	0	16.27	16.30	16.23				
5	16QAM	1	0	16.07	16.01	15.98				
5	16QAM	1	12	16.27	16.34	16.30	17	0		
5	16QAM	1	24	16.27	16.25	16.24				
5	16QAM	12	0	16.20	16.20	16.17				
5	16QAM	12	7	16.19	16.30	16.28				
5	16QAM	12	13	16.24	16.30	16.25	17	0		
5	16QAM	25	0	16.22	16.29	16.16				
5	64QAM	1	0	16.01	16.06	16.00				
5	64QAM	1	12	16.27	16.31	16.27				
5	64QAM	1	24	16.26	16.25	16.23	17	0		
5	64QAM	12	0	16.16	16.17	16.16				
5	64QAM	12	7	16.20	16.30	16.25				
5	64QAM	12	13	16.22	16.29	16.24				
5	64QAM	25	0	16.19	16.27	16.15	17	0		
Channel				19965	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	16.09	16.14	16.05	17	0		
3	QPSK	1	8	16.28	16.36	16.36				
3	QPSK	1	14	16.29	16.30	16.26				
3	QPSK	8	0	16.22	16.20	16.20				
3	QPSK	8	4	16.32	16.29	16.29	17	0		
3	QPSK	8	7	16.29	16.32	16.26				
3	QPSK	15	0	16.22	16.26	16.24				
3	16QAM	1	0	16.05	16.03	15.98				
3	16QAM	1	8	16.27	16.35	16.29	17	0		
3	16QAM	1	14	16.26	16.22	16.24				
3	16QAM	8	0	16.22	16.23	16.17				
3	16QAM	8	4	16.19	16.30	16.28				
3	16QAM	8	7	16.25	16.27	16.23	17	0		
3	16QAM	15	0	16.24	16.30	16.16				
3	64QAM	1	0	15.99	16.07	16.01				
3	64QAM	1	8	16.28	16.35	16.30				
3	64QAM	1	14	16.23	16.28	16.25	17	0		
3	64QAM	8	0	16.21	16.18	16.19				
3	64QAM	8	4	16.17	16.31	16.26				
3	64QAM	8	7	16.22	16.24	16.24				
3	64QAM	15	0	16.23	16.25	16.16				

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	23	0		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.79	21.81	21.78	23	0		
10	QPSK	1	25	21.83	21.89	21.84				
10	QPSK	1	49	21.78	21.84	21.81				
10	QPSK	25	0	21.76	21.82	21.75				
10	QPSK	25	12	21.80	21.86	21.80				
10	QPSK	25	25	21.80	21.81	21.79	23	0		
10	QPSK	50	0	21.83	21.85	21.83				
10	16QAM	1	0	21.74	21.77	21.77				
10	16QAM	1	25	21.76	21.81	21.77				
10	16QAM	1	49	21.71	21.81	21.79				
10	16QAM	25	0	20.69	20.81	20.69	22.5	0.5		
10	16QAM	25	12	20.82	20.79	20.76				
10	16QAM	25	25	20.73	20.80	20.75				
10	16QAM	50	0	20.76	20.82	20.78				
10	16QAM	1	0	20.73	20.72	20.74				
10	16QAM	1	25	20.69	20.85	20.76	22.5	0.5		
10	16QAM	1	49	20.64	20.76	20.72				
10	16QAM	25	0	19.65	19.74	19.66				
10	16QAM	25	12	19.79	19.76	19.73				
10	16QAM	25	25	19.70	19.78	19.71				
10	16QAM	50	0	19.70	19.80	19.75	21.5	1.5		
Channel				20450	20525	20600				
Frequency (MHz)				829.5	836.5	846.5				
5	QPSK	1	0	21.75	21.77	21.73	23	0		
5	QPSK	1	12	21.76	21.88	21.81				
5	QPSK	1	24	21.74	21.78	21.79				
5	QPSK	12	0	21.69	21.77	21.72				
5	QPSK	12	7	21.76	21.82	21.79				
5	QPSK	12	13	21.78	21.79	21.76	23	0		
5	QPSK	25	0	21.80	21.78	21.76				
5	16QAM	1	0	21.71	21.73	21.75				
5	16QAM	1	12	21.72	21.84	21.79				
5	16QAM	1	24	21.67	21.80	21.72				
5	16QAM	12	0	20.85	20.80	20.84	22.5	0.5		
5	16QAM	12	7	20.81	20.76	20.72				
5	16QAM	12	13	20.67	20.73	20.72				
5	16QAM	25	0	20.71	20.76	20.71				
5	16QAM	1	0	20.68	20.70	20.72				
5	16QAM	1	12	20.63	20.62	20.75	22.5	0.5		
5	16QAM	1	24	20.60	20.71	20.66				
5	16QAM	12	0	19.60	19.72	19.65				
5	16QAM	12	7	19.73	19.69	19.62				
5	16QAM	12	13	19.63	19.77	19.78				
5	16QAM	25	0	19.67	19.77	19.68	21.5	1.5		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.78	21.75	21.77	23	0		
3	QPSK	1	8	21.78	21.85	21.81				
3	QPSK	1	14	21.76	21.78	21.78				
3	QPSK	8	0	21.75	21.77	21.73				
3	QPSK	8	4	21.82	21.82	21.73				
3	QPSK	8	7	21.76	21.74	21.76	23	0		
3	QPSK	15	0	21.76	21.83	21.78				
3	16QAM	1	0	21.73	21.71	21.73				
3	16QAM	1	8	21.75	21.84	21.74				
3	16QAM	1	14	21.64	21.77	21.78				
3	16QAM	8	0	20.68	20.75	20.66	22.5	0.5		
3	16QAM	8	4	20.77	20.76	20.70				
3	16QAM	8	7	20.71	20.75	20.70				
3	16QAM	15	0	20.75	20.79	20.75				
3	16QAM	1	0	20.68	20.70	20.71				
3	16QAM	1	8	20.62	20.83	20.75	22.5	0.5		
3	16QAM	1	14	20.62	20.73	20.87				
3	16QAM	8	0	19.63	19.73	19.64				
3	16QAM	8	4	19.76	19.75	19.70				
3	16QAM	8	7	19.69	19.76	19.66				
3	16QAM	15	0	19.68	19.74	19.67	21.5	1.5		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	849.3				
1.4	QPSK	1	0	21.76	21.77	21.77	23	0		
1.4	QPSK	1	3	21.79	21.82	21.83				
1.4	QPSK	1	5	21.71	21.83	21.75				
1.4	QPSK	3	0	21.69	21.80	21.69				
1.4	QPSK	3	1	21.76	21.82	21.73				
1.4	QPSK	3	3	21.76	21.78	21.74	23	0		
1.4	QPSK	6	0	21.81	21.78	21.76				
1.4	16QAM	1	0	21.73	21.76	21.74				
1.4	16QAM	1	3	21.70	21.80	21.70				
1.4	16QAM	1	5	21.65	21.77	21.75				
1.4	16QAM	3	0	21.69	21.72	21.73	23	0		
1.4	16QAM	3	1	21.63	21.76	21.64				
1.4	16QAM	3	3	21.59	21.73	21.69				
1.4	16QAM	6	0	20.71	20.79	20.75				
1.4	16QAM	1	0	20.68	20.69	20.71				
1.4	16QAM	1	3	20.68	20.84	20.74	22.5	0.5		
1.4	16QAM	1	5	20.63	20.72	20.66				
1.4	16QAM	3	0	20.67	20.63	20.64				
1.4	16QAM	3	1	20.63	20.80	20.73				
1.4	16QAM	3	3	20.59	20.69	20.62				
1.4	16QAM	6	0	19.63	19.74	19.70	21.5	1.5		

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	23.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.65	22.66	22.56	23.5	0		
20	QPSK	1	49	22.69	22.78	22.62				
20	QPSK	1	99	22.62	22.57	22.58				
20	QPSK	50	0	22.23	22.17	22.11				
20	QPSK	50	24	22.25	22.27	22.12				
20	QPSK	50	50	22.18	22.06	22.07	23	0.5		
20	QPSK	100	0	22.19	22.40	22.09				
20	16QAM	1	0	22.18	22.22	22.17				
20	16QAM	1	49	22.24	22.33	22.31				
20	16QAM	1	99	22.19	22.36	22.25				
20	16QAM	50	0	20.97	21.01	20.99	22	1.5		
20	16QAM	50	24	21.01	21.07	21.04				
20	16QAM	50	50	20.96	21.04	21.13				
20	16QAM	100	0	20.99	21.04	21.05				
20	16QAM	1	0	21.14	21.09	21.07				
20	16QAM	1	49	21.15	21.22	21.20	22	1.5		
20	16QAM	1	99	21.10	21.20	21.39				
20	16QAM	50	0	19.98	20.01	19.98				
20	16QAM	50	24	20.02	20.05	20.03				
20	16QAM	50	50	19.96	20.06	20.11				
20	16QAM	100	0	19.97	20.05	20.05	21	2.5		
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	21.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.97	21.06	21.04			
20	QPSK	1	49	21.03	21.20	21.15	21.5	0	
20	QPSK	1	99	21.01	21.02	21.14			
20	QPSK	50	0	20.54	20.72	20.46			
20	QPSK	50	24	20.76	20.79	20.85	21.5	0	
20	QPSK	50	50	20.49	20.67	20.44			
20	QPSK	100	0	20.51	20.99	20.47			
20	16QAM	1	0	20.61	20.57	20.59	21.5	0	
20	16QAM	1	49	20.72	20.65	20.72			
20	16QAM	1	99	20.66	20.57	20.83			
20	16QAM	50	0	20.63	20.61	20.57	21	0.5	
20	16QAM	50	24	20.71	20.66	20.62			
20	16QAM	50	50	20.61	20.55	20.56			
20	16QAM	100	0	20.61	20.49	20.60	21	0.5	
20	64QAM	1	0	20.68	20.69	20.61			
20	64QAM	1	49	20.71	20.69	20.77			
20	64QAM	1	99	20.70	20.70	20.69	20	1.5	
20	64QAM	50	0	19.67	19.59	19.54			
20	64QAM	50	24	19.71	19.60	19.68			
20	64QAM	50	50	19.65	19.53	19.58	20	1.5	
20	64QAM	100	0	19.63	19.56	19.61			
Channel				20905	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Time-up limit (dBm)	MPR (dB)	
16	QPSK	1	0	20.89	21.02	21.01	21.5	0	
16	QPSK	1	37	21.12	21.17	21.10			
16	QPSK	1	74	21.03	21.07	21.10			
15	QPSK	36	0	20.56	20.65	20.53	21.5	0	
15	QPSK	36	20	20.53	20.72	20.50			
15	QPSK	36	39	20.49	20.64	20.47			
15	QPSK	75	0	20.50	20.66	20.43	21.5	0	
15	16QAM	1	0	20.70	20.56	20.67			
15	16QAM	1	37	20.62	20.71	20.70			
15	16QAM	1	74	20.69	20.65	20.66	21	0.5	
15	16QAM	36	0	20.68	20.56	20.61			
15	16QAM	36	20	20.63	20.63	20.62			
15	16QAM	36	39	20.69	20.60	20.55	21	0.5	
15	16QAM	75	0	20.64	20.53	20.55			
15	64QAM	1	0	20.62	20.61	20.60			
15	64QAM	1	37	20.73	20.72	20.72	21	0.5	
15	64QAM	1	74	20.70	20.73	20.74			
15	64QAM	36	0	19.64	19.61	19.54			
15	64QAM	36	20	19.69	19.62	19.68	20	1.5	
15	64QAM	36	39	19.59	19.55	19.60			
15	64QAM	75	0	19.57	19.52	19.55			
Channel				20800	21100	21400	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	21.5	0	
10	QPSK	1	0	20.89	21.07	20.98			
10	QPSK	1	25	21.05	21.14	21.10			
10	QPSK	1	49	21.04	21.10	21.15	21.5	0	
10	QPSK	25	0	20.48	20.73	20.50			
10	QPSK	25	12	20.54	20.70	20.46			
10	QPSK	25	25	20.45	20.68	20.48	21.5	0	
10	QPSK	50	0	20.45	20.67	20.54			
10	16QAM	1	0	20.70	20.59	20.58			
10	16QAM	1	25	20.78	20.63	20.75	21.5	0	
10	16QAM	1	49	20.68	20.57	20.61			
10	16QAM	25	0	20.71	20.59	20.60			
10	16QAM	25	12	20.65	20.67	20.58	21	0.5	
10	16QAM	25	25	20.69	20.65	20.54			
10	16QAM	50	0	20.57	20.55	20.56			
10	64QAM	1	0	20.65	20.70	20.65	21	0.5	
10	64QAM	1	25	20.79	20.70	20.71			
10	64QAM	1	49	20.73	20.72	20.69			
10	64QAM	25	0	19.62	19.56	19.53	20	1.5	
10	64QAM	25	12	19.65	19.61	19.68			
10	64QAM	25	25	19.64	19.54	19.65			
10	64QAM	50	0	19.66	19.58	19.54	Time-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425	21.5	0	
Frequency (MHz)				2502.5	2533	2562.5			
5	QPSK	1	0	20.91	21.00	21.03			
5	QPSK	1	12	21.12	21.19	21.17	21.5	0	
5	QPSK	1	24	20.95	21.10	21.11			
5	QPSK	12	0	20.54	20.69	20.47			
5	QPSK	12	7	20.62	20.72	20.48	21.5	0	
5	QPSK	12	13	20.42	20.59	20.42			
5	QPSK	25	0	20.52	20.67	20.45			
5	16QAM	1	0	20.67	20.55	20.58	21.5	0	
5	16QAM	1	12	20.63	20.71	20.72			
5	16QAM	1	24	20.68	20.59	20.71			
5	16QAM	12	0	20.60	20.61	20.64	21	0.5	
5	16QAM	12	7	20.67	20.67	20.67			
5	16QAM	12	13	20.63	20.64	20.60			
5	16QAM	25	0	20.64	20.57	20.64	21	0.5	
5	64QAM	1	0	20.72	20.65	20.59			
5	64QAM	1	12	20.74	20.72	20.69			
5	64QAM	1	24	20.76	20.70	20.75	20	1.5	
5	64QAM	12	0	19.68	19.54	19.61			
5	64QAM	12	7	19.69	19.61	19.66			
5	64QAM	12	13	19.67	19.54	19.69	20	1.5	
5	64QAM	25	0	19.59	19.50	19.52			

Band 12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.52	23.54			
10	QPSK	1	25	23.58	23.62	23.56	23.5	1	
10	QPSK	1	49	23.54	23.56	23.53			
10	QPSK	25	0	22.07	22.10	22.08			
10	QPSK	25	12	22.10	22.12	22.07	23.5	1	
10	QPSK	25	25	22.07	22.08	22.07			
10	QPSK	50	0	22.08	22.11	22.09			
10	16QAM	1	0	22.05	22.06	22.02	23.5	1	
10	16QAM	1	25	22.06	22.11	22.06			
10	16QAM	1	49	22.14	22.11	22.15			
10	16QAM	25	0	20.75	20.79	20.77	22.5	2	
10	16QAM	25	12	20.81	20.80	20.81			
10	16QAM	25	25	20.81	20.79	20.78			
10	16QAM	50	0	20.80	20.78	20.77	22.5	2	
10	64QAM	1	0	20.90	20.88	20.93			
10	64QAM	1	25	20.97	20.98	20.93			
10	64QAM	1	49	21.00	20.98	20.96	21.5	3	
10	64QAM	25	0	19.74	19.78	19.74			
10	64QAM	25	12	19.81	19.81	19.78			
10	64QAM	25	25	19.79	19.76	19.76	21.5	3	
10	64QAM	50	0	19.78	19.74	19.77			
Channel				23035	23095	23155	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	24.5	0	
5	QPSK	1	0	23.37	23.32	23.28			
5	QPSK	1	12	23.40	23.36	23.36			
5	QPSK	1	24	23.35	23.34	23.36	23.5	1	
5	QPSK	12	0	21.84	21.81	21.79			
5	QPSK	12	7	21.87	21.80	21.80			
5	QPSK	12	13	21.85	21.81	21.81	23.5	1	
5	QPSK	25	0	21.85	21.82	21.82			
5	16QAM	1	0	22.08	22.10	22.06			
5	16QAM	1	12	22.13	22.12	22.13	23.5	1	
5	16QAM	1	24	22.08	22.08	22.05			
5	16QAM	12	0	20.82	20.84	20.82			
5	16QAM	12	7	20.83	20.80	20.78	22.5	2	
5	16QAM	12	13	20.83	20.79	20.76			
5	16QAM	25	0	20.82	20.82	20.78			
5	64QAM	1	0	20.94	20.92	20.90	22.5	2	
5	64QAM	1	12	20.93	20.98	20.96			
5	64QAM	1	24	20.97	20.95	20.97			
5	64QAM	12	0	19.85	19.87	19.84	21.5	3	
5	64QAM	12	7	19.83	19.82	19.80			
5	64QAM	12	13	19.84	19.83	19.81			
5	64QAM	25	0	19.80	19.78	19.76	21.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	24.5	0	
3	QPSK	1	0	23.35	23.28	23.28			
3	QPSK	1	8	23.30	23.24	23.30			
3	QPSK	1	14	23.32	23.27	23.36	23.5	1	
3	QPSK	8	0	21.84	21.76	21.80			
3	QPSK	8	4	21.81	21.73	21.78			
3	QPSK	8	7	21.82	21.76	21.77	23.5	1	
3	QPSK	15	0	21.83	21.73	21.77			
3	16QAM	1	0	22.06	22.00	22.01			
3	16QAM	1	8	22.02	21.93	21.98	23.5	1	
3	16QAM	1	14	22.03	21.98	22.06			
3	16QAM	8	0	20.85	20.84	20.83			
3	16QAM	8	4	20.86	20.80	20.82	22.5	2	
3	16QAM	8	7	20.85	20.82	20.76			
3	16QAM	15	0	20.83	20.82	20.77			
3	64QAM	1	0	20.85	20.95	20.88	22.5	2	
3	64QAM	1	8	20.96	21.00	20.89			
3	64QAM	1	14	20.98	20.92	20.90			
3	64QAM	8	0	19.82	19.83	19.82	21.5	3	
3	64QAM	8	4	19.85	19.81	19.77			
3	64QAM	8	7	19.85	19.81	19.76			
3	64QAM	15	0	19.78	19.77	19.75	21.5	3	
Channel				23072	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	24.5	0	
1.4	QPSK	1	0	23.39	23.30	23.36			
1.4	QPSK	1	3	23.37	23.28	23.33			
1.4	QPSK	1	5	23.37	23.28	23.26	23.5	1	
1.4	QPSK	3	0	23.36	23.26	23.32			
1.4	QPSK	3	1	23.34	23.25	23.33			
1.4	QPSK	3	3	23.35	23.27	23.32	23.5	1	
1.4	QPSK	6	0	21.83	21.75	21.79			
1.4	16QAM	1	0	22.10	22.00	22.01			
1.4	16QAM	1	3	22.03	21.95	22.03	23.5	1	
1.4	16QAM	1	5	22.09	21.98	22.02			
1.4	16QAM	3	0	21.84	21.76	21.81			
1.4	16QAM	3	3	21.80	21.72	21.81	22.5	2	
1.4	16QAM	6	0	20.87	20.85	20.83			
1.4	64QAM	1	0	20.93	20.91	20.93			
1.4	64QAM	1	3	20.87	20.88	20.89	22.5	2	
1.4	64QAM	1	5	20.95	20.86	20.93			
1.4	64QAM	3	0	20.87	20.86	20.81			
1.4	64QAM	3	1	20.85	20.87	20.84	21.5	3	
1.4	64QAM	3	3	20.87	20.85	20.84			
1.4	64QAM	6	0	19.79	19.76	19.74	21.5	3	
1.4	64QAM	6	3	19.79	19.76	19.74			

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				
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95		23.5	1	
10	QPSK	25	12		21.98				
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95		23.5	1	
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35				
10	16QAM	1	49		22.24		22.5	2	
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95				
10	16QAM	25	25		20.91		22.5	2	
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16		21.5	3	
10	64QAM	1	49		21.18				
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98		21.5	3	
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	24.5 <th rowspan="3">0<th rowspan="3"></th></th>	0 <th rowspan="3"></th>	
5	QPSK	1	0	23.19	23.22	23.28			
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25	23.5	1	
5	QPSK	12	0	21.74	21.71	21.78			
5	QPSK	12	7	21.75	21.70	21.74			
5	QPSK	12	13	21.74	21.75	21.74	23.5	1	
5	QPSK	25	0	21.78	21.74	21.77			
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.10	22.5	1	
5	16QAM	1	24	22.06	22.03	22.02			
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74	22.5	2	
5	16QAM	12	13	20.73	20.73	20.74			
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96	22.5	2	
5	64QAM	1	12	21.02	20.97	20.99			
5	64QAM	1	24	20.91	20.91	20.92			
5	64QAM	12	0	19.83	19.82	19.84	21.5	3	
5	64QAM	12	7	19.85	19.83	19.83			
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80			

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			23.5	0	
Frequency (MHz)				782					
10	QPSK	1	0		22.08				
10	QPSK	1	25		22.15				
10	QPSK	1	49		22.06				
10	QPSK	25	0		21.56		23.5	0	
10	QPSK	25	12		21.58				
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55		23.5	0	
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93				
10	16QAM	1	49		21.82		22.5	1	
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54				
10	16QAM	25	25		20.51		22.5	1	
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79		21.5	2	
10	64QAM	1	49		20.71				
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55		21.5	2	
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52		Tune-up limit (dBm)	MPR (dB)	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.77	21.79	21.77	23.5 <td rowspan="3">0</td> <th rowspan="3"></th>	0	
5	QPSK	1	12	21.90	21.80	21.76			
5	QPSK	1	24	21.74	21.79	21.76			
5	QPSK	12	0	21.78	21.73	21.77	23.5 <td rowspan="3">0</td> <th rowspan="3"></th>	0	
5	QPSK	12	7	21.78	21.73	21.75			
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77	23.5 <td rowspan="3">0</td> <th rowspan="3"></th>	0	
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63			
5	16QAM	1	24	21.56	21.60	21.52	23.5 <td rowspan="3">0</td> <th rowspan="3"></th>	0	
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	1	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97	22.5	1	
5	64QAM	1	24	20.95	20.95	20.99			
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82	21.5	2	
5	64QAM	12	13	19.83	19.85	19.82			
5	64QAM	25	0	19.84	19.81	19.79			

Band 17_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				23780	23790	23800	24.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.55	23.60	23.51	23.5	1	
10	QPSK	1	25	23.60	23.62	23.56			
10	QPSK	1	49	23.58	23.60	23.55			
10	QPSK	25	0	22.10	22.11	22.12	23.5	1	
10	QPSK	25	12	22.12	22.15	22.14			
10	QPSK	25	25	22.08	22.08	22.10			
10	QPSK	50	0	22.11	22.13	22.12	23.5	1	
10	16QAM	1	0	22.01	22.07	22.00			
10	16QAM	1	25	22.06	22.18	22.06			
10	16QAM	1	49	22.17	22.16	22.12	22.5	2	
10	16QAM	25	0	20.85	20.82	20.84			
10	16QAM	25	12	20.86	20.85	20.82			
10	16QAM	25	25	20.83	20.80	20.79	22.5	2	
10	16QAM	50	0	20.82	20.84	20.83			
10	64QAM	1	0	20.88	20.92	20.91			
10	64QAM	1	25	20.98	21.06	20.99	21.5	3	
10	64QAM	1	49	21.04	21.07	21.02			
10	64QAM	25	0	19.84	19.79	19.82			
10	64QAM	25	12	19.83	19.83	19.80	21.5	3	
10	64QAM	25	25	19.81	19.81	19.78			
10	64QAM	50	0	19.79	19.81	19.82			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				708.5	710	711.5	24.5 <th colspan="2" rowspan="3">0</th>	0	
5	QPSK	1	0	23.28	23.31	23.28			
5	QPSK	1	12	23.32	23.43	23.45			
5	QPSK	1	24	23.29	23.33	23.35	23.5	1	
5	QPSK	12	0	21.82	21.81	21.80			
5	QPSK	12	7	21.80	21.81	21.84			
5	QPSK	12	13	21.82	21.81	21.85	23.5	1	
5	QPSK	25	0	21.82	21.82	21.86			
5	16QAM	1	0	22.02	21.99	21.94			
5	16QAM	1	12	22.07	22.15	22.15	23.5	1	
5	16QAM	1	24	22.00	22.07	22.04			
5	16QAM	12	0	20.84	20.84	20.85			
5	16QAM	12	7	20.86	20.84	20.86	22.5	2	
5	16QAM	12	13	20.86	20.82	20.79			
5	16QAM	25	0	20.87	20.85	20.82			
5	64QAM	1	0	20.93	21.00	21.04	22.5	2	
5	64QAM	1	12	20.95	20.99	21.00			
5	64QAM	1	24	21.02	20.98	21.03			
5	64QAM	12	0	19.87	19.86	19.88	21.5	3	
5	64QAM	12	7	19.87	19.86	19.87			
5	64QAM	12	13	19.90	19.85	19.83			
5	64QAM	25	0	19.85	19.81	19.79			

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				23760	23790	23800	24.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24			
10	QPSK	1	25	23.30	23.35	23.25	23.5	1	
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76			
10	QPSK	25	12	21.78	21.82	21.78	23.5	1	
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78			
10	16QAM	1	0	21.87	22.07	21.91	23.5	1	
10	16QAM	1	25	21.91	22.13	22.00			
10	16QAM	1	49	22.06	22.10	22.03			
10	16QAM	25	0	20.70	20.77	20.67	22.5	2	
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67			
10	16QAM	50	0	20.69	20.76	20.68	22.5	2	
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85			
10	64QAM	1	49	20.93	20.94	20.87	21.5	3	
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69			
10	64QAM	25	25	19.68	19.75	19.66	21.5	3	
10	64QAM	50	0	19.68	19.78	19.66			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709.5	710	710.5	24.5	0	
5	QPSK	1	0	23.18	23.17	23.16			
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26	23.5	1	
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70			
5	QPSK	12	13	21.68	21.66	21.70	23.5	1	
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05	23.5	1	
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71			
5	16QAM	12	7	20.71	20.69	20.71	22.5	2	
5	16QAM	12	13	20.72	20.67	20.67			
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91	22.5	2	
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85			
5	64QAM	12	0	19.72	19.72	19.76	21.5	3	
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66	21.5	3	

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.35	23.24	23.23			
15	QPSK	1	37	23.38	23.39	23.26	23	1	
15	QPSK	1	74	23.33	23.16	23.15			
15	QPSK	36	0	22.23	22.19	22.18			
15	QPSK	36	20	22.26	22.27	22.21	23	1	
15	QPSK	36	39	22.24	22.22	22.20			
15	QPSK	75	0	22.25	22.28	22.17			
15	16QAM	1	0	22.37	22.30	22.31	23	1	
15	16QAM	1	37	22.30	22.37	22.33			
15	16QAM	1	74	22.39	22.24	22.20			
15	16QAM	36	0	21.06	21.04	21.07	22	2	
15	16QAM	36	20	21.04	21.03	21.04			
15	16QAM	36	39	21.08	21.02	21.00			
15	16QAM	75	0	21.10	21.03	21.05	22	2	
15	64QAM	1	0	21.23	21.18	21.26			
15	64QAM	1	37	21.21	21.29	21.24			
15	64QAM	1	74	21.29	21.18	21.17	21	3	
15	64QAM	36	0	20.06	20.05	20.06			
15	64QAM	36	20	20.04	20.02	20.03			
15	64QAM	36	39	20.05	20.02	19.99	21	3	
15	64QAM	75	0	20.09	20.02	20.04			
Channel				26760	26865	26960	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				810	831.5	844	24	0	
10	QPSK	1	0	23.07	23.04	23.10			
10	QPSK	1	25	23.13	23.13	23.07			
10	QPSK	1	49	23.03	23.00	22.99	23	1	
10	QPSK	25	0	22.03	22.01	22.01			
10	QPSK	25	25	22.07	22.03	22.02			
10	QPSK	50	0	22.08	22.01	22.01	23	1	
10	16QAM	1	0	22.34	22.32	22.31			
10	16QAM	1	25	22.42	22.39	22.38			
10	16QAM	1	49	22.31	22.25	22.22	22	2	
10	16QAM	25	0	21.04	21.00	21.02			
10	16QAM	25	12	21.01	20.99	21.00			
10	16QAM	25	25	21.06	21.01	21.01	22	2	
10	16QAM	50	0	21.07	21.00	21.01			
10	64QAM	1	0	21.28	21.20	21.19			
10	64QAM	1	25	21.27	21.28	21.24	22	2	
10	64QAM	1	49	21.31	21.19	21.15			
10	64QAM	25	0	20.04	20.02	20.03			
10	64QAM	25	12	20.04	20.00	20.01	21	3	
10	64QAM	25	25	20.07	20.04	20.03			
10	64QAM	50	0	20.06	20.02	20.01			
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24	0	
5	QPSK	1	0	23.02	22.97	22.98			
5	QPSK	1	12	23.08	23.07	22.98			
5	QPSK	1	24	23.01	23.02	22.96	23	1	
5	QPSK	12	0	22.04	22.02	22.03			
5	QPSK	12	7	22.05	22.02	22.01			
5	QPSK	12	13	22.03	22.00	21.95	23	1	
5	QPSK	25	0	22.08	22.05	22.02			
5	16QAM	1	0	22.35	22.21	22.28			
5	16QAM	1	12	22.37	22.28	22.26	22	2	
5	16QAM	1	24	22.25	22.27	22.20			
5	16QAM	12	0	21.06	21.00	21.03			
5	16QAM	12	7	21.07	21.02	21.00	22	2	
5	16QAM	12	13	21.04	21.00	21.05			
5	16QAM	25	0	21.09	21.02	21.02			
5	64QAM	1	0	21.20	21.13	21.17	22	2	
5	64QAM	1	12	21.25	21.24	21.17			
5	64QAM	1	24	21.17	21.11	21.12			
5	64QAM	1	0	20.09	20.03	20.06	21	3	
5	64QAM	12	7	20.08	20.05	20.02			
5	64QAM	12	13	20.06	20.04	19.99			
5	64QAM	25	0	20.02	20.02	20.00	24	0	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	24	0	
3	QPSK	1	0	22.98	22.93	22.94			
3	QPSK	1	8	22.95	22.94	22.85			
3	QPSK	1	14	22.97	22.97	22.90	23	1	
3	QPSK	8	0	22.99	21.98	21.96			
3	QPSK	8	4	22.91	21.98	21.92			
3	QPSK	8	7	22.90	21.98	21.92	23	1	
3	QPSK	15	0	22.00	21.98	21.92			
3	16QAM	1	0	22.24	22.20	22.19			
3	16QAM	1	8	22.22	22.23	22.17	22	2	
3	16QAM	1	14	22.27	22.23	22.20			
3	16QAM	8	0	21.08	21.01	21.00			
3	16QAM	8	4	21.04	21.02	20.98	22	2	
3	16QAM	8	12	21.05	21.02	20.95			
3	16QAM	15	0	21.05	20.98	20.95			
3	64QAM	1	0	21.15	21.12	21.08	22	2	
3	64QAM	1	8	21.11	21.12	21.05			
3	64QAM	1	14	21.14	21.14	21.11			
3	64QAM	8	0	20.03	20.00	19.99	21	3	
3	64QAM	8	4	20.04	20.00	19.94			
3	64QAM	8	7	20.02	20.04	19.96			
3	64QAM	15	0	19.99	19.99	19.95	24	0	
Channel				26697	26865	27033			
Frequency (MHz)				816.7	831.5	846.5	24	0	
1.4	QPSK	1	0	23.05	23.01	22.99			
1.4	QPSK	1	3	23.03	23.00	22.90			
1.4	QPSK	1	5	23.01	23.01	22.94	23	1	
1.4	QPSK	3	0	23.03	23.03	22.98			
1.4	QPSK	3	3	23.03	23.00	22.95			
1.4	QPSK	6	0	22.03	21.98	21.94	23	1	
1.4	16QAM	1	0	22.27	22.28	22.17			
1.4	16QAM	1	3	22.28	22.28	22.15			
1.4	16QAM	1	5	22.25	22.22	22.20	23	1	
1.4	16QAM	3	0	22.01	21.97	21.90			
1.4	16QAM	3	1	22.02	21.99	21.92			
1.4	16QAM	3	3	22.00	21.99	21.92	22	2	
1.4	64QAM	1	0	21.17	21.17	21.12			
1.4	64QAM	1	3	21.18	21.18	21.07			
1.4	64QAM	1	5	21.17	21.20	21.12	22	2	
1.4	64QAM	3	0	21.10	21.10	21.03			
1.4	64QAM	3	1	21.11	21.07	20.99			
1.4	64QAM	3	3	21.13	21.12	21.05	21	3	
1.4	64QAM	6	0	20.03	19.96	19.90			

Band 66_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				130702	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.08	23.05	22.98	24	0		
20	QPSK	1	49	23.14	23.18	23.10				
20	QPSK	1	99	23.09	23.12	23.02				
20	QPSK	50	0	22.09	22.13	22.10	23	1		
20	QPSK	50	24	22.14	22.20	22.14				
20	QPSK	50	50	22.12	22.17	22.09				
20	QPSK	100	0	22.15	22.16	22.12	23	1		
20	16QAM	1	0	21.94	21.98	22.12				
20	16QAM	1	49	22.00	22.01	22.13				
20	16QAM	1	99	21.86	21.97	21.94	22	2		
20	16QAM	50	0	20.71	20.77	20.87				
20	16QAM	50	24	20.71	20.77	20.84				
20	16QAM	50	50	20.70	20.73	20.70	22	2		
20	16QAM	100	0	20.73	20.74	20.79				
20	64QAM	1	0	20.86	20.89	21.00				
20	64QAM	1	49	20.89	20.90	21.03	22	2		
20	64QAM	1	99	20.84	20.86	21.00				
20	64QAM	50	0	19.67	19.73	19.82				
20	64QAM	50	24	19.69	19.73	19.82	21	3		
20	64QAM	50	50	19.68	19.69	19.70				
20	64QAM	100	0	19.72	19.73	19.77				
Channel				132047	132322	132597	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.95	22.97	23.03	24	0		
15	QPSK	1	37	23.11	23.06	23.12				
15	QPSK	1	74	22.92	22.92	22.67				
15	QPSK	36	0	21.92	21.96	22.08	23	1		
15	QPSK	36	20	21.90	21.96	22.02				
15	QPSK	36	39	21.90	21.94	21.91				
15	QPSK	75	0	21.89	21.97	21.99	23	1		
15	16QAM	1	0	22.14	22.05	22.12				
15	16QAM	1	37	22.19	22.06	22.09				
15	16QAM	1	74	22.16	22.02	21.93	22	2		
15	16QAM	36	0	20.89	20.94	21.07				
15	16QAM	36	20	20.89	20.95	21.00				
15	16QAM	36	39	20.88	20.94	20.91	22	2		
15	16QAM	75	0	20.89	20.96	21.01				
15	64QAM	1	0	21.02	21.07	21.08				
15	64QAM	1	37	21.06	21.14	21.11	22	2		
15	64QAM	1	74	21.03	21.13	21.04				
15	64QAM	36	0	19.88	19.95	20.09				
15	64QAM	36	20	19.89	19.95	20.03	21	3		
15	64QAM	36	39	19.89	19.95	19.99				
15	64QAM	75	0	19.86	19.95	19.94				
Channel				132022	132322	132622	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.03	23.07	23.11	24	0		
10	QPSK	1	25	23.02	23.04	22.82				
10	QPSK	1	49	22.99	23.01	22.53				
10	QPSK	25	0	21.97	22.02	22.07	23	1		
10	QPSK	25	12	21.96	22.01	22.00				
10	QPSK	25	25	21.94	22.00	21.98				
10	QPSK	50	0	21.95	22.04	22.02	23	1		
10	16QAM	1	0	22.17	22.06	22.16				
10	16QAM	1	25	22.13	22.04	22.07				
10	16QAM	1	49	22.13	22.13	22.07	22	2		
10	16QAM	25	0	20.95	20.81	20.87				
10	16QAM	25	12	20.93	20.80	20.78				
10	16QAM	25	25	20.92	20.79	20.77	22	2		
10	16QAM	50	0	20.95	20.82	20.91				
10	64QAM	1	0	21.12	20.98	21.02				
10	64QAM	1	25	21.09	21.16	21.11	22	2		
10	64QAM	1	49	21.06	21.17	21.17				
10	64QAM	25	0	19.93	19.99	20.04				
10	64QAM	25	12	19.91	19.99	19.96	21	3		
10	64QAM	25	25	19.90	19.97	19.97				
10	64QAM	50	0	19.91	20.00	20.00				
Channel				131997	132322	132647	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	23.04	23.05	23.02	24	0		
5	QPSK	1	12	23.06	23.04	22.72				
5	QPSK	1	24	23.03	23.02	22.58				
5	QPSK	12	0	22.00	22.06	22.01	23	1		
5	QPSK	12	7	21.98	22.04	22.02				
5	QPSK	12	13	21.98	22.03	21.98				
5	QPSK	25	0	22.01	22.05	22.04	23	1		
5	16QAM	1	0	22.19	22.04	22.01				
5	16QAM	1	12	22.20	22.10	22.07				
5	16QAM	1	24	22.15	22.09	22.07	22	2		
5	16QAM	12	0	20.99	20.84	20.82				
5	16QAM	12	7	20.97	21.03	21.02				
5	16QAM	12	13	20.97	21.03	20.99	22	2		
5	16QAM	25	0	20.88	21.04	21.03				
5	64QAM	1	0	21.12	21.18	21.16				
5	64QAM	1	12	21.14	21.17	21.17	22	2		
5	64QAM	1	24	21.09	21.16	21.20				
5	64QAM	12	0	20.00	20.05	20.06				
5	64QAM	12	7	19.97	20.05	20.06	21	3		
5	64QAM	12	13	19.97	20.05	20.02				
5	64QAM	25	0	19.95	20.01	20.03				
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.96	23.00	22.86	24	0		
3	QPSK	1	8	22.92	22.92	22.62				
3	QPSK	1	14	22.99	22.95	22.59				
3	QPSK	8	0	21.97	22.02	21.99	23	1		
3	QPSK	8	4	21.95	22.02	21.98				
3	QPSK	8	7	21.94	22.03	21.95				
3	QPSK	15	0	21.94	21.97	21.96	23	1		
3	16QAM	1	0	22.11	22.15	22.18				
3	16QAM	1	8	22.17	22.20	22.02				
3	16QAM	1	14	22.14	22.20	22.20	22	2		
3	16QAM	8	0	21.03	21.08	21.04				
3	16QAM	8	4	21.06	21.06	21.01				
3	16QAM	8	7	21.03	21.05	21.07	22	2		
3	16QAM	15	0	20.99	21.01	21.01				
3	64QAM	1	0	21.11	21.18	21.14				
3	64QAM	1	8	21.11	21.02	21.20	22	2		
3	64QAM	1	14	21.07	21.01	21.16				
3	64QAM	8	0	19.99	20.07	20.06				
3	64QAM	8	4	19.99	20.05	20.02	21	3		
3	64QAM	8	7	19.99	20.06	19.99				
3	64QAM	15	0	19.95	19.98	19.97				
Channel				131979	132322	132665	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.01	23.08	22.95	24	0		
1.4	QPSK	1	3	22.96	23.00	22.86				
1.4	QPSK	1	5	22.94	23.12	22.90				
1.4	QPSK	3	0	23.02	23.07	22.83	23	1		
1.4	QPSK	3	1	23.00	23.02	22.88				
1.4	QPSK	3	3	23.02	23.07	22.74				
1.4	QPSK	6	0	22.07	22.13	22.13	23	1		
1.4	16QAM	1	0	22.00	22.10	22.12				
1.4	16QAM	1	3	22.04	22.10	22.11				
1.4	16QAM	1	5	22.02	22.12	22.08	23	1		
1.4	16QAM	3	0	22.03	22.13	22.12				
1.4	16QAM	3	1	22.07	22.10	22.11				
1.4	16QAM	3	3	22.06	22.10	22.14	22	2		
1.4	16QAM	6	0	21.10	21.00	21.03				
1.4	64QAM	1	0	21.12	21.09	21.09				
1.4	64QAM	1	3	21.14	21.05	21.07	22	2		
1.4	64QAM	1	5	21.17	21.03	21.10				
1.4	64QAM	3	0	21.14	21.02	21.10				
1.4	64QAM	3	1	21.16	21.01	21.08	21	3		
1.4	64QAM	3	3	21.11	21.16	21.17				
1.4	64QAM	6	0	20.01	20.10	20.11				

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	23.35	23.25	23.25	24	0	
20	QPSK	1	49	23.38	23.38	23.28			
20	QPSK	50	0	22.31	22.23	22.27			
20	QPSK	50	24	22.33	22.34	22.32	23	1	
20	QPSK	50	50	22.27	22.22	22.26			
20	QPSK	100	0	22.29	22.35	22.28			
20	16QAM	1	0	22.26	22.37	22.35	23	1	
20	16QAM	1	49	22.45	22.51	22.51			
20	16QAM	1	99	22.40	22.42	22.38			
20	16QAM	50	0	21.29	21.36	21.36	22	2	
20	16QAM	50	24	21.39	21.36	21.37			
20	16QAM	50	50	21.40	21.39	21.35			
20	16QAM	100	0	21.33	21.39	21.41	22	2	
20	64QAM	1	0	20.99	21.11	21.06			
20	64QAM	1	49	21.16	21.20	21.19			
20	64QAM	1	99	21.13	21.12	21.08	21	3	
20	64QAM	50	0	20.27	20.31	20.32			
20	64QAM	50	24	20.35	20.35	20.38			
20	64QAM	50	50	20.35	20.36	20.32	21	3	
20	64QAM	100	0	20.31	20.37	20.38			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.22	23.28	23.14	24	0	
15	QPSK	1	37	23.37	23.35	23.11			
15	QPSK	1	74	23.35	23.22	23.02			
15	QPSK	36	0	22.28	22.28	22.23	23	1	
15	QPSK	36	20	22.32	22.25	22.24			
15	QPSK	36	39	22.33	22.30	22.23			
15	QPSK	75	0	22.29	22.27	22.26	23	1	
15	16QAM	1	0	22.26	22.35	22.25			
15	16QAM	1	37	22.42	22.43	22.30			
15	16QAM	1	74	22.46	22.42	22.29	22	2	
15	16QAM	36	0	21.31	21.29	21.25			
15	16QAM	36	20	21.37	21.32	21.28			
15	16QAM	36	39	21.39	21.33	21.29	22	2	
15	16QAM	75	0	21.41	21.38	21.35			
15	64QAM	1	0	21.11	21.16	21.04			
15	64QAM	1	37	21.23	21.23	21.07	21	3	
15	64QAM	1	74	21.28	21.22	21.09			
15	64QAM	36	0	20.32	20.31	20.30			
15	64QAM	36	20	20.35	20.32	20.30	21	3	
15	64QAM	36	39	20.40	20.35	20.30			
15	64QAM	75	0	20.38	20.36	20.34			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.28	23.17	22.83	24	0	
10	QPSK	1	25	23.31	23.29	23.03			
10	QPSK	1	49	23.26	23.12	22.90			
10	QPSK	25	0	22.38	22.37	22.32	23	1	
10	QPSK	25	12	22.40	22.39	22.33			
10	QPSK	25	25	22.44	22.40	22.33			
10	QPSK	50	0	22.39	22.39	22.32	23	1	
10	16QAM	1	0	22.50	22.39	22.40			
10	16QAM	1	25	22.46	22.50	22.36			
10	16QAM	1	49	22.55	22.45	22.39	23	1	
10	16QAM	25	0	21.38	21.38	21.33			
10	16QAM	25	12	21.39	21.38	21.35			
10	16QAM	25	25	21.44	21.38	21.36	22	2	
10	16QAM	50	0	21.42	21.38	21.33			
10	64QAM	1	0	21.18	21.10	21.12			
10	64QAM	1	25	21.15	21.22	21.10	22	2	
10	64QAM	1	49	21.26	21.18	21.10			
10	64QAM	25	0	20.38	20.40	20.35			
10	64QAM	25	12	20.41	20.38	20.34	21	3	
10	64QAM	25	25	20.47	20.41	20.35			
10	64QAM	50	0	20.36	20.36	20.30			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.32	23.36	23.29	24	0	
5	QPSK	1	12	23.36	23.36	23.08			
5	QPSK	1	24	23.35	23.25	22.98			
5	QPSK	12	0	22.40	22.40	22.38	23	1	
5	QPSK	12	7	22.35	22.42	22.37			
5	QPSK	12	13	22.35	22.42	22.36			
5	QPSK	25	0	22.40	22.44	22.36	23	1	
5	16QAM	1	0	22.50	22.45	22.41			
5	16QAM	1	12	22.43	22.55	22.44			
5	16QAM	1	24	22.48	22.50	22.42	23	1	
5	16QAM	12	0	21.36	21.37	21.34			
5	16QAM	12	7	21.33	21.37	21.32			
5	16QAM	12	13	21.33	21.36	21.33	22	2	
5	16QAM	25	0	21.42	21.44	21.41			
5	64QAM	1	0	21.23	21.16	21.12			
5	64QAM	1	12	21.18	21.23	21.08	22	2	
5	64QAM	1	24	21.17	21.18	21.12			
5	64QAM	12	0	20.37	20.41	20.35			
5	64QAM	12	7	20.34	20.40	20.35	21	3	
5	64QAM	12	13	20.33	20.40	20.34			
5	64QAM	25	0	20.41	20.44	20.38			

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	17.25	17.31	17.34	18	0	
20	QPSK	1	49	17.33	17.37	17.38			
20	QPSK	1	99	17.19	17.21	17.16			
20	QPSK	50	0	17.20	17.27	17.22	18	0	
20	QPSK	50	24	17.28	17.33	17.28			
20	QPSK	50	50	17.24	17.32	17.25			
20	QPSK	100	0	17.29	17.31	17.28	18	0	
20	16QAM	1	0	17.18	17.29	17.19			
20	16QAM	1	49	17.31	17.33	17.26			
20	16QAM	1	99	17.17	17.17	17.12	18	0	
20	16QAM	50	0	17.16	17.24	17.16			
20	16QAM	50	24	17.22	17.28	17.27			
20	16QAM	50	50	17.20	17.25	17.21	18	0	
20	16QAM	100	0	17.23	17.26	17.22			
20	64QAM	1	0	17.23	17.27	17.22			
20	64QAM	1	49	17.32	17.30	17.28	18	0	
20	64QAM	1	99	17.14	17.16	17.12			
20	64QAM	50	0	16.83	16.80	16.84			
20	64QAM	50	24	16.80	16.85	16.98	18	0	
20	64QAM	50	50	16.80	16.78	17.01			
20	64QAM	100	0	16.86	16.78	17.02			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.21	17.28	17.20	18	0	
15	QPSK	1	37	17.30	17.34	17.28			
15	QPSK	1	74	17.14	17.18	17.11			
15	QPSK	36	0	17.13	17.23	17.18	18	0	
15	QPSK	36	20	17.27	17.31	17.24			
15	QPSK	36	39	17.18	17.26	17.18			
15	QPSK	75	0	17.24	17.29	17.26	18	0	
15	16QAM	1	0	17.11	17.23	17.15	18	0	
15	16QAM	1	37	17.28	17.27	17.24			
15	16QAM	1	74	17.11	17.16	17.07			
15	16QAM	36	0	17.14	17.20	17.15	18	0	
15	16QAM	36	20	17.16	17.22	17.23			
15	16QAM	36	39	17.13	17.19	17.18			
15	16QAM	75	0	17.17	17.23	17.17	18	0	
15	64QAM	1	0	17.20	17.22	17.19	18	0	
15	64QAM	1	37	17.28	17.28	17.21			
15	64QAM	1	74	17.08	17.09	17.09			
15	64QAM	36	0	16.76	16.87	16.81	18	0	
15	64QAM	36	20	16.85	16.69	16.89			
15	64QAM	36	39	16.80	16.69	16.91			
15	64QAM	75	0	16.71	16.67	16.87	18	0	
Channel				37800 <th>38000<th>38200</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	38000 <th>38200</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25825	2595	2615			
10	QPSK	1	0	17.24	17.34	17.32	18	0	
10	QPSK	1	25	17.29	17.34	17.24			
10	QPSK	1	49	17.16	17.15	17.13			
10	QPSK	25	0	17.16	17.25	17.19	18	0	
10	QPSK	25	12	17.24	17.29	17.26			
10	QPSK	25	25	17.19	17.28	17.24			
10	QPSK	50	0	17.22	17.28	17.24	18	0	
10	16QAM	1	0	17.13	17.27	17.13			
10	16QAM	1	25	17.27	17.26	17.23			
10	16QAM	1	49	17.10	17.11	17.06	18	0	
10	16QAM	25	0	17.11	17.22	17.13			
10	16QAM	25	12	17.18	17.26	17.23			
10	16QAM	25	25	17.17	17.24	17.14	18	0	
10	16QAM	50	0	17.21	17.27	17.19	18	0	
10	16QAM	50	0	17.16	17.22	17.15			
10	64QAM	1	25	17.30	17.23	17.20			
10	64QAM	1	49	17.07	17.10	17.06	18	0	
10	64QAM	25	0	16.69	16.68	16.87			
10	64QAM	25	12	16.84	16.75	16.82			
10	64QAM	25	25	16.74	16.81	16.89	18	0	
10	64QAM	50	0	16.73	16.66	16.89	18	0	
Channel				37775 <th>38000</th> <th>38225</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.19	17.28	17.21	18	0	
5	QPSK	1	12	17.27	17.32	17.29			
5	QPSK	1	24	17.17	17.15	17.09			
5	QPSK	12	0	17.19	17.23	17.17	18	0	
5	QPSK	12	7	17.23	17.29	17.26			
5	QPSK	12	13	17.16	17.25	17.19			
5	QPSK	25	0	17.26	17.27	17.26	18	0	
5	16QAM	1	0	17.16	17.28	17.18			
5	16QAM	1	12	17.27	17.28	17.22			
5	16QAM	1	24	17.13	17.13	17.09	18	0	
5	16QAM	12	0	17.13	17.19	17.17			
5	16QAM	12	7	17.26	17.27	17.21			
5	16QAM	12	13	17.15	17.22	17.15	18	0	
5	16QAM	25	0	17.20	17.21	17.21			
5	64QAM	1	0	17.17	17.23	17.17			
5	64QAM	1	12	17.25	17.23	17.25	18	0	
5	64QAM	1	24	17.11	17.15	17.05			
5	64QAM	12	0	16.69	16.73	16.62			
5	64QAM	12	7	16.76	16.68	16.86	18	0	
5	64QAM	12	13	16.83	16.67	16.89			
5	64QAM	25	0	16.71	16.72	16.92			

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	23.68	23.62	23.80	23.86	23.45	24.5	0		
20	QPSK	1	49	23.72	23.68	23.82	23.91	23.35				
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98				
20	QPSK	50	0	22.13	22.18	22.28	22.48	22.35	23.5	1		
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38				
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.38				
20	QPSK	100	0	22.29	22.33	22.23	22.42	22.38	23.5	1		
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08				
20	16QAM	1	49	22.20	22.35	22.47	22.30	22.16				
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14	22.5	2		
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11				
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09				
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	21.5	3		
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09				
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79				
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88	22.5	2		
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82				
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05				
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06	21.5	3		
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01				
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08				
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	23.61	23.70	23.84	23.74	23.51	24.5	0		
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34				
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13				
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06	23.5	1		
15	QPSK	36	20	22.16	22.29	22.37	22.19	22.07				
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05				
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07	23.5	1		
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12				
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17				
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14	22.5	2		
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00				
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99				
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.97	22.5	2		
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08				
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.62				
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84	22.5	2		
15	64QAM	1	74	20.98	21.01	21.12	20.99	20.85				
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02				
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01	21.5	3		
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99				
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.47	23.73	23.85	23.70	23.29	24.5	0		
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12				
10	QPSK	1	49	23.65	23.83	23.82	23.74	23.86				
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11	23.5	1		
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10				
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11				
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13	23.5	1		
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20				
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19				
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22	22.5	2		
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14				
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14				
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14	22.5	2		
10	16QAM	50	0	21.16	21.28	21.37	21.23	21.14				
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86				
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88	22.5	2		
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90				
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16				
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14	21.5	3		
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13				
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10				
Channel				2497.5	2543.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.71	23.73	23.85	23.68	23.46	24.5	0		
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16				
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01				
5	QPSK	12	0	22.26	22.28	22.42	22.23	22.14	23.5	1		
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14				
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11				
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17	23.5	1		
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20				
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.24				
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23	22.5	2		
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09				
5	16QAM	12	7	21.16	21.22	21.36	21.16	21.09				
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07	22.5	2		
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17				
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92				
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92	22.5	2		
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92				
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13				
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14	21.5	3		
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10				
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14				

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												
	Frequency (MHz)			39750	40185	40620	41055	41490				
20	QPSK	1	0	17.11	2549.15	2593	2636.5	2680				
20	QPSK	1	49	17.15	17.25	17.06	17.36	17.24	18	0		
20	QPSK	1	49	17.26	17.26	17.12	17.24	17.12				
20	QPSK	50	0	17.22	17.17	17.22	17.27	17.17				
20	QPSK	50	24	17.23	17.23	17.24	17.28	17.24	18	0		
20	QPSK	50	50	17.22	17.15	17.22	17.24	17.22				
20	QPSK	100	0	17.20	17.08	17.24	17.21	17.19				
20	16QAM	1	0	17.01	16.99	16.99	17.17	17.19				
20	16QAM	1	49	17.06	17.12	16.96	17.06	17.26	18	0		
20	16QAM	1	99	17.04	17.13	17.17	17.22	17.19				
20	16QAM	50	0	16.95	16.93	16.95	16.99	17.08				
20	16QAM	50	24	17.08	17.17	17.08	17.21	17.19	18	0		
20	16QAM	50	50	17.01	17.17	16.90	17.12	17.22				
20	16QAM	100	0	17.10	17.03	17.11	17.12	17.14				
20	64QAM	1	0	17.08	17.10	17.20	17.18	17.18				
20	64QAM	1	49	17.06	17.06	17.06	17.10	17.09	18	0		
20	64QAM	1	99	17.12	16.95	17.07	17.11	16.90				
20	64QAM	50	0	16.88	16.91	16.97	17.02	17.00				
20	64QAM	50	24	17.06	17.01	16.92	17.16	17.12	18	0		
20	64QAM	50	50	17.01	17.11	17.01	17.17	17.14				
20	64QAM	100	0	16.98	16.97	17.00	17.20	17.21				
Channel												
	Frequency (MHz)			39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	16.94	2548.1	2593	2637.8	2682.5				
10	QPSK	1	37	17.04	17.11	17.07	17.14	17.07	18	0		
10	QPSK	1	74	16.97	17.12	16.99	17.18	17.15				
10	QPSK	36	0	17.04	17.04	17.25	17.15	17.11				
10	QPSK	36	20	17.11	17.09	17.14	17.12	17.17	18	0		
10	QPSK	36	39	17.10	17.04	17.07	17.12	17.08				
10	QPSK	75	0	17.05	16.95	17.08	17.21	17.12				
10	16QAM	1	0	16.86	16.87	16.93	17.06	17.09				
10	16QAM	1	37	16.93	17.04	17.05	17.24	17.16	18	0		
10	16QAM	1	74	16.98	16.97	16.86	17.15	17.14				
10	16QAM	36	0	16.90	16.86	16.82	16.83	16.98				
10	16QAM	36	20	17.02	17.11	16.99	17.07	17.05				
10	16QAM	36	39	16.96	17.12	16.85	17.07	17.08				
10	16QAM	75	0	17.04	16.94	16.86	16.97	17.06	18	0		
10	64QAM	1	0	16.99	17.05	17.07	17.16	16.98				
10	64QAM	1	37	17.01	16.94	17.02	16.96	16.93	18	0		
10	64QAM	1	74	17.00	16.80	16.93	17.05	16.85				
10	64QAM	36	0	16.79	16.75	16.86	16.90	16.95				
10	64QAM	36	20	16.84	16.95	16.87	17.02	16.98				
10	64QAM	36	39	16.85	17.06	16.82	17.06	17.09	18	0		
10	64QAM	75	0	16.85	16.85	16.85	16.85	16.85				
Channel												
	Frequency (MHz)			39700	40160	40620	41060	41505	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	17.02	2547	2593	2639	2685				
10	QPSK	1	25	17.07	17.16	16.94	17.04	17.27	18	0		
10	QPSK	1	49	16.95	17.16	16.90	17.14	17.15				
10	QPSK	25	0	17.14	17.08	17.27	17.21	17.19				
10	QPSK	25	12	17.18	17.17	17.19	17.18	17.11	18	0		
10	QPSK	25	29	17.16	17.09	17.15	17.13	17.07				
10	QPSK	50	0	17.13	17.03	17.17	17.10	17.13				
10	16QAM	1	0	16.93	16.91	16.93	17.05	17.09				
10	16QAM	1	25	16.93	17.14	17.07	17.20	17.11	18	0		
10	16QAM	1	49	16.92	17.06	16.93	17.14	17.12				
10	16QAM	25	0	16.86	16.86	16.90	16.86	16.96				
10	16QAM	25	12	17.00	17.02	17.00	17.15	17.05	18	0		
10	16QAM	25	29	16.97	17.12	16.92	17.03	17.04				
10	16QAM	50	0	16.89	16.95	17.01	17.03	17.03				
10	64QAM	1	0	16.99	16.96	16.95	17.08	17.07	18	0		
10	64QAM	1	25	16.97	16.76	16.99	17.00	16.95				
10	64QAM	1	49	17.07	16.89	17.00	16.96	16.91				
10	64QAM	25	0	16.75	16.78	16.92	16.91	16.95				
10	64QAM	25	12	16.90	16.90	16.85	17.05	17.01	18	0		
10	64QAM	25	29	16.85	17.04	16.86	17.03	17.07				
10	64QAM	50	0	16.92	16.83	16.95	17.15	17.11				
Channel												
	Frequency (MHz)			39675	40148	40620	41063	41505	Tune-up limit (dbm)	MPR (db)		
5	QPSK	1	0	17.05	16.97	16.85	16.98	17.00				
5	QPSK	1	12	16.99	17.18	16.94	17.23	17.20	18	0		
5	QPSK	1	24	16.95	17.07	16.92	17.16	17.14				
5	QPSK	12	0	17.06	17.08	17.22	17.21	17.11				
5	QPSK	12	7	17.13	17.06	17.12	17.12	17.14	18	0		
5	QPSK	12	13	17.10	17.01	17.10	17.17	17.10				
5	QPSK	25	0	17.13	16.93	17.09	17.15	17.07				
5	16QAM	1	0	16.90	16.90	16.89	17.12	17.03				
5	16QAM	1	12	16.90	17.05	16.89	17.16	17.20	18	0		
5	16QAM	1	24	16.93	17.00	16.87	17.11	17.12				
5	16QAM	12	0	16.79	16.76	16.92	16.96	17.03				
5	16QAM	12	7	16.94	17.04	16.85	17.13	17.07	18	0		
5	16QAM	12	13	16.94	17.06	16.82	17.03	17.07				
5	16QAM	25	0	17.01	16.98	17.00	17.02	17.04				
5	64QAM	1	0	17.01	17.01	17.13	17.10	17.00	18	0		
5	64QAM	1	12	16.97	16.85	17.00	16.96	17.02				
5	64QAM	1	24	17.07	16.96	16.93	16.95	16.83				
5	64QAM	12	0	16.92	17.07	16.83	17.00	16.95	18	0		
5	64QAM	12	7	16.94	16.91	16.94	17.09	17.05				
5	64QAM	12	13	16.95	17.05	16.88	17.06	17.01				
5	64QAM	25	0	16.85	16.81	16.94	17.15	17.16				

Reduced Power for DSI 3

GSM850_Ant 0				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				128	188	251	Limit	128	188	251	Limit	128	188	251	Limit	128	188	251	Limit
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot				32.26	32.26	32.27	33.50	23.26	23.26	23.27	24.50	23.26	23.26	23.27	24.50	23.26	23.26	23.27	24.50
GPRS 1 Tx slot				32.24	32.24	32.17	33.50	23.24	23.24	23.17	24.50	23.24	23.24	23.17	24.50	23.24	23.24	23.17	24.50
GPRS 2 Tx slots				30.68	30.69	30.59	32.00	24.68	24.69	24.59	25.00	24.68	24.69	24.59	25.00	24.68	24.69	24.59	25.00
GPRS 3 Tx slots				29.26	29.26	29.16	30.50	23.02	23.03	24.50	25.74	23.02	23.03	24.50	25.74	23.02	23.03	24.50	25.74
GPRS 4 Tx slots				26.69	26.69	26.65	28.00	23.69	23.69	23.65	28.00	23.69	23.69	23.65	28.00	23.69	23.69	23.65	28.00
EDGE(GMSK 1 Tx slot)				32.14	32.17	32.07	33.50	23.14	23.17	23.07	24.50	23.14	23.17	23.07	24.50	23.14	23.17	23.07	24.50
EDGE(GMSK 2 Tx slot)				30.62	30.60	30.49	32.00	24.62	24.60	24.49	25.00	24.62	24.60	24.49	25.00	24.62	24.60	24.49	25.00
EDGE(GMSK 3 Tx slot)				26.18	26.13	25.98	30.00	23.92	23.87	23.82	25.74	23.92	23.87	23.82	25.74	23.92	23.87	23.82	25.74
EDGE(GMSK 4 Tx slot)				26.58	26.63	26.57	28.00	23.58	23.63	23.57	25.00	23.58	23.63	23.57	25.00	23.58	23.63	23.57	25.00
EDGE(PSK 1 Tx slot)				26.57	26.56	26.57	28.00	17.57	17.59	17.57	19.50	17.57	17.59	17.57	19.50	17.57	17.59	17.57	19.50
EDGE(PSK 2 Tx slot)				24.52	24.58	24.53	25.50	18.52	18.59	18.53	20.50	18.52	18.59	18.53	20.50	18.52	18.59	18.53	20.50
EDGE(PSK 3 Tx slot)				22.82	22.86	22.85	24.50	18.26	18.40	18.29	20.50	18.26	18.40	18.29	20.50	18.26	18.40	18.29	20.50
EDGE(PSK 4 Tx slot)				22.00	22.11	22.05	22.50	19.00	19.11	19.05	19.50	19.00	19.11	19.05	19.50	19.00	19.11	19.05	19.50

GSM850_Ant 1				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				128	188	251	Limit	128	188	251	Limit	128	188	251	Limit	128	188	251	Limit
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot				31.61	31.77	31.91	33.50	22.61	22.77	22.91	24.50	22.61	22.77	22.91	24.50	22.61	22.77	22.91	24.50
GPRS 1 Tx slot				31.53	31.67	31.89	33.50	22.53	22.67	22.89	24.50	22.53	22.67	22.89	24.50	22.53	22.67	22.89	24.50
GPRS 2 Tx slots				30.01	30.22	30.21	32.00	24.01	24.22	24.21	25.00	24.01	24.22	24.21	25.00	24.01	24.22	24.21	25.00
GPRS 3 Tx slots				28.31	28.46	28.67	30.00	24.06	24.20	24.41	25.74	24.06	24.20	24.41	25.74	24.06	24.20	24.41	25.74
GPRS 4 Tx slots				26.05	26.15	26.36	28.00	23.05	23.15	23.36	25.00	23.05	23.15	23.36	25.00	23.05	23.15	23.36	25.00
EDGE(GMSK 1 Tx slot)				31.66	31.62	31.75	33.50	22.66	22.62	22.75	24.50	22.66	22.62	22.75	24.50	22.66	22.62	22.75	24.50
EDGE(GMSK 2 Tx slot)				30.12	30.03	30.16	32.00	24.12	24.03	24.16	25.00	24.12	24.03	24.16	25.00	24.12	24.03	24.16	25.00
EDGE(GMSK 3 Tx slot)				26.40	26.58	26.75	30.00	24.20	24.32	24.49	25.74	24.20	24.32	24.49	25.74	24.20	24.32	24.49	25.74
EDGE(GMSK 4 Tx slot)				26.16	26.07	26.24	28.00	23.16	23.07	23.24	25.00	23.16	23.07	23.24	25.00	23.16	23.07	23.24	25.00
EDGE(PSK 1 Tx slot)				26.53	26.51	26.56	28.00	17.53	17.51	17.56	19.50	17.53	17.51	17.56	19.50	17.53	17.51	17.56	19.50
EDGE(PSK 2 Tx slot)				24.85	24.82	24.90	25.50	18.85	18.82	18.90	20.50	18.85	18.82	18.90	20.50	18.85	18.82	18.90	20.50
EDGE(PSK 3 Tx slot)				22.79	22.70	22.79	24.50	18.53	18.44	18.53	20.24	18.53	18.44	18.53	20.24	18.53	18.44	18.53	20.24
EDGE(PSK 4 Tx slot)				22.12	22.06	22.11	22.50	19.12	19.06	19.11	19.50	19.12	19.06	19.11	19.50	19.12	19.06	19.11	19.50

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	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)				1850.2	1860	1909.8		1850.2	1860	1909.8		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot				27.96	28.00	27.85	28.50	18.96	19.00	18.85	19.50	18.96	19.00	18.85	19.50	18.96	19.00	18.85	19.50
GPRS 1 Tx slot				27.95	27.98	27.83	28.50	18.95	18.98	18.83	19.50	18.95	18.98	18.83	19.50	18.95	18.98	18.83	19.50
GPRS 2 Tx slots				26.87	27.05	27.09	28.00	20.87	21.05	21.09	22.00	20.87	21.05	21.09	22.00	20.87	21.05	21.09	22.00
GPRS 3 Tx slots				24.76	24.96	24.97	26.00	20.50	20.70	20.71	21.74	20.50	20.70	20.71	21.74	20.50	20.70	20.71	21.74
GPRS 4 Tx slots				23.92	24.16	23.91	24.50	20.92	21.15	20.91	22.00	20.92	21.15	20.91	22.00	20.92	21.15	20.91	22.00
EDGE(GMSK 1 Tx slot)				27.83	27.91	27.78	28.50	18.83	18.91	18.78	19.50	18.83	18.91	18.78	19.50	18.83	18.91	18.78	19.50
EDGE(GMSK 2 Tx slot)				26.73	27.00	27.01	28.00	20.73	21.00	21.01	22.00	20.73	21.00	21.01	22.00	20.73	21.00	21.01	22.00
EDGE(GMSK 3 Tx slot)				24.64	24.86	24.84	26.00	20.36	20.60	20.58	21.74	20.36	20.60	20.58	21.74	20.36	20.60	20.58	21.74
EDGE(GMSK 4 Tx slot)				23.77	23.99	23.80	25.00	20.77	20.99	20.80	22.00	20.77	20.99	20.80	22.00	20.77	20.99	20.80	22.00
EDGE(PSK 1 Tx slot)				23.86	23.97	23.88	25.50	14.86	14.87	14.88	16.60	14.86	14.87	14.88	16.60	14.86	14.87	14.88	16.60
EDGE(PSK 2 Tx slot)				22.91	23.08	22.97	24.50	15.91	17.06	16.97	18.50	15.91	17.06	16.97	18.50	15.91	17.06	16.97	18.50
EDGE(PSK 3 Tx slot)				21.10	21.16	21.01	22.50	16.84	16.90	16.75	18.24	16.84	16.90	16.75	18.24	16.84	16.90	16.75	18.24
EDGE(PSK 4 Tx slot)				20.15	20.23	20.14	21.00	17.15	17.23	17.14	18.00	17.15	17.23	17.14	18.00	17.15	17.23	17.14	18.00

GSM1900_Ant 1		Burst Average Power (dBm)				Tune-up		Frame-Average Power (dBm)				Tune-up	
TX Channel		512	661	810		Limit (dBm)		512	661	810		Limit (dBm)	
Frequency (MHz)		1850.2	1860	1909.8				1850.2	1860	1909.8			
GSM 1 Tx slot		25.71	25.79	25.57		26.00		16.71	16.79	16.57		17.00	
GPRS 1 Tx slot		25.69	25.77	25.54		26.00		16.69	16.77	16.54		17.00	
GPRS 2 Tx slots		24.72	24.81	24.59		25.00		18.72	18.81	18.59		19.50	
GPRS 3 Tx slots		22.70	22.82	22.82		23.50		18.44	18.56	18.36		19.24	
GPRS 4 Tx slots		21.07	21.02	21.02		22.50		16.07	16.82	16.62		19.50	
EDGE(GSMK 1 Tx slot)		25.61	25.79	25.55		26.00		16.61	16.79	16.55		17.00	
EDGE(GSMK 2 Tx slot)		24.75	24.82	24.60		25.00		16.75	16.82	16.60		19.50	
EDGE(GSMK 3 Tx slot)		22.71	22.83	22.82		23.50		18.45	18.57	18.36		19.24	
EDGE(GSMK 4 Tx slot)		21.06	21.03	21.02		22.50		16.09	16.83	16.62		19.50	
EDGE(BPSK 1 Tx slot)		21.96	21.98	21.97		22.50		16.96	17.00	16.97		17.50	
EDGE(BPSK 2 Tx slot)		20.77	20.86	21.27		22.00		14.77	14.86	15.27		16.00	
EDGE(BPSK 3 Tx slot)		18.77	18.11	19.25		20.00		14.51	14.85	14.99		15.74	
EDGE(BPSK 4 Tx slot)		17.75	17.86	17.92		18.00		14.75	14.86	14.92		15.00	

Band 2_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	19.60	19.65	19.60	21	0		
20	QPSK	1	49	19.77	19.91	19.90				
20	QPSK	1	99	19.75	19.83	19.77				
20	QPSK	50	0	19.70	19.72	19.68				
20	QPSK	50	24	19.70	19.79	19.76				
20	QPSK	50	50	19.75	19.78	19.70	21	0		
20	QPSK	100	0	19.72	19.75	19.68				
20	16QAM	1	0	19.57	19.63	19.56				
20	16QAM	1	49	19.76	19.86	19.86				
20	16QAM	1	99	19.73	19.78	19.71				
20	16QAM	50	0	19.67	19.65	19.64	21	0		
20	16QAM	50	24	19.75	19.74	19.74				
20	16QAM	50	50	19.72	19.76	19.67				
20	16QAM	100	0	19.70	19.74	19.64				
20	64QAM	1	0	19.57	19.64	19.54				
20	64QAM	1	49	19.74	19.90	19.83	21	0		
20	64QAM	1	99	19.70	19.80	19.75				
20	64QAM	50	0	19.63	19.66	19.66				
20	64QAM	50	24	19.76	19.78	19.69				
20	64QAM	50	50	19.70	19.71	19.66				
20	64QAM	100	0	19.71	19.68	19.61	21	0		
Channel				18675	18900	19125				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	19.59	19.60	19.59	21	0		
15	QPSK	1	37	19.76	19.85	19.86				
15	QPSK	1	74	19.73	19.79	19.73				
15	QPSK	36	0	19.69	19.71	19.63				
15	QPSK	36	20	19.73	19.73	19.73				
15	QPSK	36	39	19.74	19.73	19.66	21	0		
15	QPSK	75	0	19.65	19.74	19.62				
15	16QAM	1	0	19.55	19.60	19.55				
15	16QAM	1	37	19.69	19.83	19.80				
15	16QAM	1	74	19.70	19.71	19.68				
15	16QAM	36	0	19.65	19.61	19.58	21	0		
15	16QAM	36	20	19.68	19.68	19.73				
15	16QAM	36	39	19.71	19.73	19.64				
15	16QAM	75	0	19.66	19.70	19.58				
15	64QAM	1	0	19.55	19.60	19.50				
15	64QAM	1	37	19.69	19.84	19.77	21	0		
15	64QAM	1	74	19.66	19.76	19.70				
15	64QAM	36	0	19.58	19.63	19.54				
15	64QAM	36	20	19.75	19.76	19.65				
15	64QAM	36	39	19.63	19.67	19.65				
15	64QAM	75	0	19.66	19.62	19.56	21	0		
Channel				18950	18960	19150				
Frequency (MHz)				18855	1890	1905				
10	QPSK	1	0	19.57	19.62	19.55	21	0		
10	QPSK	1	25	19.74	19.89	19.87				
10	QPSK	1	49	19.71	19.79	19.73				
10	QPSK	25	0	19.67	19.71	19.66				
10	QPSK	25	12	19.73	19.76	19.69				
10	QPSK	25	25	19.71	19.75	19.68	21	0		
10	QPSK	50	0	19.66	19.70	19.64				
10	16QAM	1	0	19.53	19.56	19.52				
10	16QAM	1	25	19.75	19.84	19.84				
10	16QAM	1	49	19.70	19.75	19.65				
10	16QAM	25	0	19.64	19.62	19.63	21	0		
10	16QAM	25	12	19.74	19.69	19.73				
10	16QAM	25	25	19.68	19.71	19.62				
10	16QAM	50	0	19.66	19.71	19.61				
10	64QAM	1	0	19.56	19.57	19.50				
10	64QAM	1	25	19.67	19.83	19.79	21	0		
10	64QAM	1	49	19.64	19.76	19.68				
10	64QAM	25	0	19.59	19.63	19.62				
10	64QAM	25	12	19.71	19.72	19.68				
10	64QAM	25	25	19.65	19.69	19.61				
10	64QAM	50	0	19.69	19.66	19.60	21	0		
Channel				18925	18900	19175				
Frequency (MHz)				18822.5	1880	19007.5				
5	QPSK	1	0	19.56	19.62	19.53	21	0		
5	QPSK	1	12	19.75	19.89	19.89				
5	QPSK	1	24	19.73	19.77	19.72				
5	QPSK	12	0	19.69	19.68	19.65				
5	QPSK	12	7	19.71	19.72	19.71				
5	QPSK	12	13	19.69	19.72	19.69	21	0		
5	QPSK	25	0	19.67	19.71	19.67				
5	16QAM	1	0	19.54	19.59	19.55				
5	16QAM	1	12	19.69	19.85	19.84				
5	16QAM	1	24	19.70	19.76	19.67				
5	16QAM	12	0	19.65	19.60	19.62	21	0		
5	16QAM	12	7	19.70	19.71	19.68				
5	16QAM	12	13	19.70	19.72	19.61				
5	16QAM	25	0	19.69	19.71	19.58				
5	64QAM	1	0	19.55	19.58	19.52				
5	64QAM	1	12	19.71	19.83	19.79	21	0		
5	64QAM	1	24	19.67	19.76	19.68				
5	64QAM	12	0	19.57	19.65	19.54				
5	64QAM	12	7	19.71	19.76	19.68				
5	64QAM	12	13	19.65	19.65	19.63				
5	64QAM	25	0	19.68	19.65	19.58	21	0		
Channel				18915	18900	19185				
Frequency (MHz)				18815.5	1880	1908.5				
3	QPSK	1	0	19.54	19.60	19.58	21	0		
3	QPSK	1	8	19.71	19.85	19.86				
3	QPSK	1	14	19.73	19.78	19.71				
3	QPSK	8	0	19.64	19.67	19.66				
3	QPSK	8	4	19.70	19.74	19.72				
3	QPSK	8	7	19.72	19.74	19.69	21	0		
3	QPSK	15	0	19.68	19.69	19.63				
3	16QAM	1	0	19.55	19.57	19.54				
3	16QAM	1	8	19.73	19.85	19.79				
3	16QAM	1	14	19.67	19.73	19.65				
3	16QAM	8	0	19.60	19.63	19.62	21	0		
3	16QAM	8	4	19.74	19.73	19.73				
3	16QAM	8	7	19.69	19.72	19.61				
3	16QAM	15	0	19.68	19.71	19.57				
3	64QAM	1	0	19.51	19.61	19.52				
3	64QAM	1	8	19.67	19.83	19.78	21	0		
3	64QAM	1	14	19.67	19.78	19.73				
3	64QAM	8	0	19.56	19.62	19.59				
3	64QAM	8	4	19.72	19.77	19.66				
3	64QAM	8	7	19.63	19.69	19.60				
3	64QAM	15	0	19.68	19.67	19.56	21	0		
Channel				18907	18900	19193				
Frequency (MHz)				18807	1880	19093.3				
1.4	QPSK	1	0	19.58	19.59	19.56	21	0		
1.4	QPSK	1	3	19.70	19.70	19.64				
1.4	QPSK	1	5	19.70	19.77	19.70				
1.4	QPSK	3	0	19.66	19.71	19.63				
1.4	QPSK	3	1	19.75	19.73	19.69				
1.4	QPSK	3	3	19.70	19.77	19.64	21	0		
1.4	QPSK	6	0	19.71	19.72	19.63				
1.4	16QAM	1	0	19.55	19.59	19.51				
1.4	16QAM	1	3	19.71	19.84	19.85				
1.4	16QAM	1	5	19.70	19.76	19.64				
1.4	16QAM	1	8	19.62	19.64	19.64	21	0		
1.4	16QAM	3	0	19.68	19.68	19.70				
1.4	16QAM	3	3	19.69	19.72	19.64				
1.4	16QAM	6	0	19.63	19.67	19.60				
1.4	64QAM	1	0	19.51	19.63	19.51				
1.4	64QAM	1	3	19.71	19.85	19.76	21	0		
1.4	64QAM	1	5	19.64	19.76	19.72				
1.4	64QAM	3	0	19.60	19.62	19.61				
1.4	64QAM	3	1	19.75	19.75	19.67				
1.4	64QAM	3	3	19.63	19.69	19.62				
1.4	64QAM	6	0	19.65	19.62	19.57	21	0		

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.19	19.20	19.17	20	0	
20	QPSK	1	49	19.38	19.42	19.37			
20	QPSK	1	99	19.33	19.40	19.36			
20	QPSK	50	0	19.29	19.35	19.30			
20	QPSK	50	24	19.37	19.41	19.38	20	0	
20	QPSK	50	50	19.33	19.36	19.32			
20	QPSK	100	0	19.30	19.36	19.29			
20	16QAM	1	0	19.14	19.18	19.13			
20	16QAM	1	49	19.34	19.35	19.30	20	0	
20	16QAM	1	99	19.28	19.38	19.29			
20	16QAM	50	0	19.27	19.33	19.26			
20	16QAM	50	24	19.35	19.37	19.37			
20	16QAM	50	50	19.29	19.33	19.27	20	0	
20	16QAM	100	0	19.25	19.35	19.28			
20	64QAM	1	0	19.14	19.14	19.10			
20	64QAM	1	49	19.31	19.39	19.33			
20	64QAM	1	99	19.26	19.39	19.29	20	0	
20	64QAM	50	0	19.22	19.34	19.23			
20	64QAM	50	24	19.30	19.39	19.31			
20	64QAM	50	50	19.26	19.31	19.31			
20	64QAM	100	0	19.26	19.31	19.23	Tune-up limit (dBm)	MPR (dB)	
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	19.17	19.13	19.16	20	0	
15	QPSK	1	37	19.32	19.37	19.35			
15	QPSK	1	74	19.28	19.36	19.35			
15	QPSK	36	0	19.22	19.32	19.23			
15	QPSK	36	20	19.32	19.35	19.31	20	0	
15	QPSK	36	39	19.32	19.30	19.25			
15	QPSK	75	0	19.27	19.29	19.26			
15	16QAM	1	0	19.10	19.11	19.11			
15	16QAM	1	37	19.28	19.31	19.24	20	0	
15	16QAM	1	74	19.24	19.37	19.27			
15	16QAM	36	0	19.20	19.30	19.21			
15	16QAM	36	20	19.34	19.30	19.36			
15	16QAM	36	39	19.24	19.26	19.24	20	0	
15	16QAM	75	0	19.19	19.34	19.27			
15	64QAM	1	0	19.11	19.08	19.06			
15	64QAM	1	37	19.30	19.38	19.32			
15	64QAM	1	74	19.20	19.32	19.22	20	0	
15	64QAM	36	0	19.19	19.28	19.22			
15	64QAM	36	20	19.27	19.38	19.24			
15	64QAM	36	39	19.22	19.29	19.27			
15	64QAM	75	0	19.25	19.29	19.19	Tune-up limit (dBm)	MPR (dB)	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	19.12	19.16	19.11	20	0	
10	QPSK	1	25	19.32	19.41	19.35			
10	QPSK	1	49	19.31	19.35	19.33			
10	QPSK	25	0	19.28	19.29	19.24			
10	QPSK	25	12	19.35	19.35	19.32	20	0	
10	QPSK	25	25	19.32	19.31	19.29			
10	QPSK	50	0	19.25	19.30	19.28			
10	16QAM	1	0	19.13	19.13	19.10			
10	16QAM	1	25	19.31	19.34	19.23	20	0	
10	16QAM	1	49	19.23	19.37	19.25			
10	16QAM	25	0	19.26	19.26	19.21			
10	16QAM	25	12	19.31	19.32	19.34			
10	16QAM	25	25	19.25	19.29	19.21	20	0	
10	16QAM	50	0	19.24	19.33	19.27			
10	64QAM	1	0	19.12	19.07	19.03			
10	64QAM	1	25	19.27	19.35	19.32			
10	64QAM	1	49	19.24	19.37	19.22	20	0	
10	64QAM	25	0	19.18	19.30	19.17			
10	64QAM	25	12	19.28	19.36	19.25			
10	64QAM	25	25	19.20	19.27	19.27			
10	64QAM	50	0	19.20	19.29	19.21	Tune-up limit (dBm)	MPR (dB)	
Channel				19975	20175	20375			
Frequency (MHz)				1722.5	1732.5	1742.5			
5	QPSK	1	0	19.16	19.15	19.11	20	0	
5	QPSK	1	12	19.37	19.39	19.31			
5	QPSK	1	24	19.30	19.38	19.32			
5	QPSK	12	0	19.22	19.34	19.29			
5	QPSK	12	7	19.32	19.38	19.32	20	0	
5	QPSK	12	13	19.32	19.31	19.31			
5	QPSK	25	0	19.28	19.33	19.23			
5	16QAM	1	0	19.09	19.12	19.11			
5	16QAM	1	12	19.29	19.33	19.28	20	0	
5	16QAM	1	24	19.24	19.32	19.27			
5	16QAM	12	0	19.23	19.28	19.24			
5	16QAM	12	7	19.32	19.35	19.31			
5	16QAM	12	13	19.28	19.27	19.24	20	0	
5	16QAM	25	0	19.23	19.30	19.25			
5	64QAM	1	0	19.09	19.09	19.04			
5	64QAM	1	12	19.30	19.32	19.32			
5	64QAM	1	24	19.26	19.34	19.24	20	0	
5	64QAM	12	0	19.18	19.29	19.17			
5	64QAM	12	7	19.27	19.35	19.32			
5	64QAM	12	13	19.20	19.24	19.24			
5	64QAM	25	0	19.23	19.25	19.16	Tune-up limit (dBm)	MPR (dB)	
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	19.18	19.17	19.14	20	0	
3	QPSK	1	8	19.37	19.39	19.31			
3	QPSK	1	14	19.31	19.34	19.34			
3	QPSK	8	0	19.22	19.30	19.29			
3	QPSK	8	4	19.31	19.36	19.36	20	0	
3	QPSK	8	7	19.29	19.32	19.27			
3	QPSK	15	0	19.26	19.33	19.25			
3	16QAM	1	0	19.10	19.12	19.10			
3	16QAM	1	8	19.27	19.29	19.23	20	0	
3	16QAM	1	14	19.23	19.31	19.24			
3	16QAM	8	0	19.24	19.30	19.24			
3	16QAM	8	4	19.33	19.35	19.35			
3	16QAM	8	7	19.26	19.30	19.24	20	0	
3	16QAM	15	0	19.20	19.30	19.24			
3	64QAM	1	0	19.08	19.12	19.08			
3	64QAM	1	8	19.25	19.38	19.32			
3	64QAM	1	14	19.24	19.33	19.24	20	0	
3	64QAM	8	0	19.17	19.31	19.22			
3	64QAM	8	4	19.26	19.36	19.25			
3	64QAM	8	7	19.24	19.28	19.24			
3	64QAM	15	0	19.24	19.29	19.18	Tune-up limit (dBm)	MPR (dB)	
Channel				19957	20175	20393			
Frequency (MHz)				1720	1732.5	1744.5			
1.4	QPSK	1	0	19.16	19.15	19.12	20	0	
1.4	QPSK	1	3	19.32	19.38	19.36			
1.4	QPSK	1	5	19.30	19.35	19.31			
1.4	QPSK	3	0	19.23	19.29	19.26			
1.4	QPSK	3	1	19.36	19.36	19.37	20	0	
1.4	QPSK	3	3	19.31	19.35	19.25			
1.4	QPSK	6	0	19.25	19.34	19.28			
1.4	16QAM	1	0	19.07	19.11	19.12			
1.4	16QAM	1	3	19.29	19.36	19.27	20	0	
1.4	16QAM	1	5	19.26	19.31	19.27			
1.4	16QAM	3	0	19.24	19.32	19.24			
1.4	16QAM	3	1	19.33	19.34	19.31			
1.4	16QAM	3	3	19.25	19.29	19.20	20	0	
1.4	16QAM	6	0	19.24	19.32	19.26			
1.4	64QAM	1	0	19.10	19.07	19.09			
1.4	64QAM	1	3	19.25	19.36	19.30			
1.4	64QAM	1	5	19.20	19.36	19.24	20	0	
1.4	64QAM	3	0	19.18	19.30	19.22			
1.4	64QAM	3	1	19.27	19.32	19.27			
1.4	64QAM	3	3	19.19	19.26	19.27			
1.4	64QAM	6	0	19.23	19.29	19.22	20	0	

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	24.5	0	1
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.48	23.45	23.43			
10	QPSK	1	25	23.51	23.58	23.47			
10	QPSK	1	49	23.42	23.42	23.41	23.5	1	2
10	QPSK	25	0	21.95	21.93	21.94			
10	QPSK	25	12	21.70	21.99	21.26			
10	QPSK	25	25	21.96	21.94	21.93			
10	QPSK	50	0	22.02	22.06	21.95	22.5	1	2
10	16QAM	1	0	21.88	22.34	21.84			
10	16QAM	1	25	21.83	22.32	21.81			
10	16QAM	1	49	21.79	22.23	21.81			
10	16QAM	25	0	20.60	20.93	20.53	21.5	2	3
10	16QAM	25	12	20.59	20.84	20.53			
10	16QAM	25	25	20.58	20.92	20.56			
10	16QAM	50	0	20.61	20.93	20.52			
10	64QAM	1	0	20.75	21.18	20.69	22.5	2	3
10	64QAM	1	25	20.74	21.16	20.70			
10	64QAM	1	49	20.69	21.14	20.64			
10	64QAM	25	0	19.59	19.89	19.50			
10	64QAM	25	12	19.60	19.91	19.51	21.5	3	0
10	64QAM	25	25	19.58	19.92	19.59			
10	64QAM	50	0	19.59	19.93	19.50			
10	64QAM	50	0	19.59	19.93	19.50			
Channel				20450	20525	20625	24.5	0	1
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.03	23.02	23.04			
5	QPSK	1	12	23.06	23.04	23.02			
5	QPSK	1	24	23.07	23.00	23.01	23.5	1	2
5	QPSK	12	0	21.59	21.51	21.59			
5	QPSK	12	7	21.57	21.50	21.50			
5	QPSK	12	13	21.56	21.57	21.57			
5	QPSK	25	0	21.59	21.53	21.54	23.5	1	3
5	16QAM	1	0	21.85	21.74	21.77			
5	16QAM	1	12	21.90	21.81	21.84			
5	16QAM	1	24	21.85	21.81	21.77			
5	16QAM	12	0	20.59	20.51	20.58	22.5	2	0
5	16QAM	12	7	20.57	20.51	20.59			
5	16QAM	12	13	20.58	20.55	20.50			
5	16QAM	25	0	20.58	20.52	20.50			
5	64QAM	1	0	20.74	20.64	20.71	22.5	2	3
5	64QAM	1	12	20.77	20.73	20.72			
5	64QAM	1	24	20.70	20.64	20.63			
5	64QAM	12	0	19.61	19.52	19.51			
5	64QAM	12	7	19.62	19.52	19.51	21.5	3	0
5	64QAM	12	13	19.59	19.50	19.52			
5	64QAM	25	0	19.55	19.50	19.59			
5	64QAM	25	0	19.55	19.50	19.59			
Channel				20415	20525	20635	24.5	0	1
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.01	22.95	22.98			
3	QPSK	1	8	22.96	22.94	22.91			
3	QPSK	1	14	23.05	22.96	22.93	23.5	1	2
3	QPSK	8	0	21.55	21.53	21.51			
3	QPSK	8	4	21.52	21.56	21.57			
3	QPSK	8	7	21.51	21.54	21.54			
3	QPSK	15	0	21.50	21.54	21.54	23.5	1	3
3	16QAM	1	0	21.81	21.70	21.71			
3	16QAM	1	8	21.78	21.73	21.72			
3	16QAM	1	14	21.79	21.72	21.75			
3	16QAM	8	0	20.58	20.57	20.55	22.5	2	0
3	16QAM	8	4	20.57	20.58	20.50			
3	16QAM	8	7	20.59	20.59	20.59			
3	16QAM	15	0	20.52	20.57	20.58			
3	64QAM	1	0	20.72	20.57	20.59	22.5	2	3
3	64QAM	1	8	20.68	20.59	20.59			
3	64QAM	1	14	20.76	20.61	20.61			
3	64QAM	8	0	19.59	19.57	19.54			
3	64QAM	8	4	19.53	19.50	19.50	21.5	3	0
3	64QAM	8	7	19.59	19.50	19.56			
3	64QAM	15	0	19.54	19.57	19.53			
3	64QAM	15	0	19.54	19.57	19.53			
Channel				20407	20525	20643	24.5	0	1
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.99	22.91	22.91			
1.4	QPSK	1	3	23.05	23.02	22.97			
1.4	QPSK	1	5	23.01	23.05	23.00	23.5	1	2
1.4	QPSK	3	0	23.03	22.96	22.94			
1.4	QPSK	3	1	23.03	23.02	22.98			
1.4	QPSK	3	3	23.07	23.01	22.96			
1.4	QPSK	6	0	21.53	21.54	21.56	23.5	1	3
1.4	16QAM	1	0	21.78	21.68	21.70			
1.4	16QAM	1	3	21.76	21.71	21.67			
1.4	16QAM	1	5	21.81	21.71	21.66			
1.4	16QAM	3	0	21.53	21.53	21.54	22.5	2	0
1.4	16QAM	3	1	21.53	21.55	21.53			
1.4	16QAM	3	3	21.52	21.53	21.52			
1.4	16QAM	6	0	20.64	20.51	20.56			
1.4	64QAM	1	0	20.73	20.62	20.63	22.5	2	3
1.4	64QAM	1	3	20.62	20.61	20.52			
1.4	64QAM	1	5	20.68	20.60	20.60			
1.4	64QAM	3	0	20.63	20.51	20.55			
1.4	64QAM	3	1	20.61	20.58	20.53	21.5	3	0
1.4	64QAM	3	3	20.62	20.55	20.56			
1.4	64QAM	6	0	19.53	19.52	19.57			
1.4	64QAM	6	0	19.53	19.52	19.57			

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	20.76	20.54	20.68	21.5	0	
20	QPSK	1	49	20.82	20.83	20.75			
20	QPSK	1	99	20.82	20.47	20.73			
20	QPSK	50	0	20.83	20.45	20.59			
20	QPSK	50	24	20.68	20.69	20.83	21.5	0	
20	QPSK	50	50	20.51	20.45	20.61			
20	QPSK	100	0	20.59	20.73	20.72			
20	16QAM	1	0	20.85	20.69	20.70			
20	16QAM	1	49	20.73	20.79	20.85	21.5	0	
20	16QAM	1	99	20.73	20.77	20.76			
20	16QAM	50	0	20.61	20.74	20.65			
20	16QAM	50	24	20.72	20.81	20.70			
20	16QAM	50	50	20.38	20.53	20.56	21.5	0	
20	16QAM	100	0	20.44	20.43	20.50			
20	64QAM	1	0	20.84	20.55	20.55			
20	64QAM	1	49	20.61	20.71	20.67			
20	64QAM	1	99	20.80	20.65	20.81	21.5	0	
20	64QAM	50	0	19.66	19.71	19.68			
20	64QAM	50	24	19.74	19.73	19.72			
20	64QAM	50	50	19.70	19.74	19.79			
20	64QAM	100	0	19.64	19.76	19.78	21	0.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.87	20.42	20.80			
15	QPSK	1	37	20.74	20.76	20.59			
15	QPSK	1	74	20.53	20.31	20.66			
15	QPSK	36		20.49	20.34	20.47			
15	QPSK	36	20	20.55	20.60	20.57	21.5	0	
15	QPSK	36	49	20.36	20.36	20.36			
15	QPSK	75	0	20.43	20.68	20.56			
15	16QAM	1	0	20.58	20.57	20.56			
15	16QAM	1	37	20.60	20.63	20.60	21.5	0	
15	16QAM	1	74	20.65	20.65	20.66			
15	16QAM	36	0	20.56	20.63	20.55			
15	16QAM	36	20	20.61	20.74	20.64			
15	16QAM	36	39	20.32	20.47	20.42	21.5	0	
15	16QAM	75	0	20.36	20.32	20.34			
15	64QAM	1	0	20.50	20.50	20.50			
15	64QAM	1	37	20.48	20.58	20.61			
15	64QAM	1	74	20.53	20.54	20.75	21.5	0	
15	64QAM	36	0	19.59	19.58	19.52			
15	64QAM	36	20	19.61	19.67	19.56			
15	64QAM	36	39	19.61	19.67	19.67			
15	64QAM	75	0	19.56	19.67	19.73	21	0.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.80	20.47	20.54			
10	QPSK	1	25	20.77	20.75	20.68			
10	QPSK	1	49	20.51	20.35	20.67			
10	QPSK	25	0	20.51	20.31	20.51			
10	QPSK	25	12	20.53	20.53	20.52	21.5	0	
10	QPSK	25	25	20.37	20.35	20.33			
10	QPSK	50	0	20.51	20.66	20.65			
10	16QAM	1	0	20.56	20.58	20.63			
10	16QAM	1	25	20.65	20.71	20.58	21.5	0	
10	16QAM	1	49	20.60	20.67	20.60			
10	16QAM	25	0	20.50	20.68	20.30			
10	16QAM	25	12	20.56	20.56	20.61			
10	16QAM	25	25	20.27	20.44	20.45	21.5	0	
10	16QAM	50	0	20.32	20.30	20.35			
10	64QAM	1	25	20.53	20.58	20.58			
10	64QAM	1	49	20.46	20.51	20.71			
10	64QAM	25	0	19.50	19.58	19.56	21	0.5	
10	64QAM	25	12	19.61	19.68	19.54			
10	64QAM	25	25	19.56	19.58	19.70			
10	64QAM	50	0	19.57	19.66	19.66			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.66	20.47	20.59	21.5	0	
5	QPSK	1	12	20.74	20.75	20.65			
5	QPSK	1	24	20.49	20.33	20.64			
5	QPSK	12	0	20.51	20.32	20.48			
5	QPSK	12	7	20.57	20.53	20.56	21.5	0	
5	QPSK	12	13	20.36	20.29	20.51			
5	QPSK	25	0	20.47	20.62	20.60			
5	16QAM	1	0	20.58	20.56	20.35			
5	16QAM	1	12	20.66	20.66	20.80	21.5	0	
5	16QAM	1	24	20.62	20.69	20.84			
5	16QAM	12	0	20.46	20.64	20.54			
5	16QAM	12	7	20.67	20.68	20.54			
5	16QAM	12	13	20.31	20.48	20.51	21.5	0	
5	16QAM	25	0	20.30	20.38	20.34			
5	64QAM	1	0	20.55	20.45	20.43			
5	64QAM	1	12	20.56	20.58	20.56			
5	64QAM	1	24	20.45	20.45	20.72	21.5	0	
5	64QAM	12	0	19.54	19.58	19.59			
5	64QAM	12	7	19.65	19.58	19.63			
5	64QAM	12	13	19.60	19.63	19.64			
5	64QAM	25	0	19.53	19.63	19.70	21	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					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	16.52	16.53	16.58	17	0			
20	QPSK	1	49	16.59	16.67	16.65					
20	QPSK	1	99	16.54	16.63	16.59					
20	QPSK	50	0	16.44	16.49	16.45					
20	QPSK	50	24	16.61	16.65	16.59	17	0			
20	QPSK	50	50	16.45	16.51	16.54					
20	QPSK	100	0	16.48	16.52	16.46					
20	16QAM	1	0	16.51	16.50	16.57					
20	16QAM	1	49	16.57	16.57	16.58	17	0			
20	16QAM	1	99	16.52	16.54	16.53					
20	16QAM	50	0	16.41	16.45	16.43					
20	16QAM	50	24	16.55	16.64	16.58					
20	16QAM	50	50	16.40	16.48	16.48	17	0			
20	16QAM	100	0	16.41	16.34	16.45					
20	64QAM	1	0	16.49	16.48	16.54					
20	64QAM	1	49	16.55	16.56	16.63					
20	64QAM	1	99	16.52	16.62	16.53	17	0			
20	64QAM	50	0	16.43	16.48	16.36					
20	64QAM	50	24	16.51	16.60	16.56					
20	64QAM	50	50	16.36	16.46	16.45					
20	64QAM	100	0	16.47	16.38	16.46	17	0			
Channel				20850	21100	21375					
Frequency (MHz)				2502.5	2535	2562.5					
15	QPSK	1	0	16.46	16.46	16.49	17	0			
15	QPSK	1	37	16.55	16.63	16.62					
15	QPSK	1	74	16.51	16.54	16.57					
15	QPSK	36	0	16.41	16.47	16.40					
15	QPSK	36	20	16.53	16.56	16.49	17	0			
15	QPSK	36	39	16.39	16.41	16.45					
15	QPSK	75	0	16.38	16.43	16.36					
15	16QAM	1	0	16.49	16.49	16.56					
15	16QAM	1	37	16.47	16.56	16.59	17	0			
15	16QAM	1	74	16.46	16.50	16.52					
15	16QAM	36	0	16.37	16.38	16.37					
15	16QAM	36	20	16.51	16.55	16.50					
15	16QAM	36	39	16.37	16.38	16.47	17	0			
15	16QAM	75	0	16.35	16.32	16.38					
15	64QAM	1	0	16.39	16.39	16.39					
15	64QAM	1	37	16.53	16.52	16.60					
15	64QAM	1	74	16.46	16.52	16.47	17	0			
15	64QAM	36	0	16.41	16.44	16.32					
15	64QAM	36	20	16.44	16.51	16.53					
15	64QAM	36	39	16.29	16.44	16.37					
15	64QAM	75	0	16.39	16.34	16.44	17	0			
Channel				20800	21100	21400					
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	16.48	16.48	16.48	17	0			
10	QPSK	1	25	16.51	16.58	16.56					
10	QPSK	1	49	16.45	16.61	16.50					
10	QPSK	25	0	16.36	16.43	16.37					
10	QPSK	25	12	16.54	16.59	16.56	17	0			
10	QPSK	25	25	16.39	16.43	16.44					
10	QPSK	50	0	16.46	16.51	16.45					
10	16QAM	1	0	16.48	16.40	16.55					
10	16QAM	1	25	16.53	16.55	16.57	17	0			
10	16QAM	1	49	16.43	16.44	16.46					
10	16QAM	25	0	16.40	16.36	16.40					
10	16QAM	25	12	16.49	16.55	16.54					
10	16QAM	50	0	16.40	16.25	16.41	17	0			
10	64QAM	1	0	16.39	16.46	16.50					
10	64QAM	1	25	16.51	16.53	16.56					
10	64QAM	1	49	16.49	16.59	16.49					
10	64QAM	25	0	16.35	16.44	16.32	17	0			
10	64QAM	25	12	16.50	16.58	16.54					
10	64QAM	25	25	16.26	16.41	16.37					
10	64QAM	50	0	16.44	16.29	16.45					
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	16.50	16.49	16.50	17	0			
5	QPSK	1	12	16.55	16.62	16.62					
5	QPSK	1	24	16.49	16.58	16.54					
5	QPSK	12	0	16.34	16.45	16.44					
5	QPSK	12	7	16.54	16.57	16.58	17	0			
5	QPSK	12	13	16.36	16.41	16.53					
5	QPSK	25	0	16.44	16.44	16.39					
5	16QAM	1	0	16.47	16.43	16.52					
5	16QAM	1	12	16.55	16.46	16.61	17	0			
5	16QAM	1	24	16.47	16.45	16.44					
5	16QAM	12	0	16.38	16.42	16.41					
5	16QAM	12	7	16.51	16.59	16.53					
5	16QAM	12	13	16.37	16.47	16.39	17	0			
5	16QAM	25	0	16.31	16.31	16.43					
5	64QAM	1	0	16.39	16.46	16.51					
5	64QAM	1	12	16.51	16.51	16.55					
5	64QAM	1	24	16.45	16.56	16.44	17	0			
5	64QAM	12	0	16.42	16.38	16.32					
5	64QAM	12	7	16.50	16.54	16.50					
5	64QAM	12	13	16.32	16.45	16.44					
5	64QAM	25	0	16.40	16.28	16.42	17	0			
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
1.4	QPSK	1	0	22.86	23.06	23.98	24	0			
1.4	QPSK	1	3	23.03	23.09	23.03					
1.4	QPSK	1	5	23.04	23.07	23.04					
1.4	QPSK	3	0	22.93	23.02	22.97					
1.4	QPSK	3	1	22.96	23.07	22.99	23.5	0.5			
1.4	QPSK	3	3	23.03	23.05	22.99					
1.4	QPSK	6	0	22.03	22.02	21.98					
1.4	16QAM	1	0	21.96	21.95	21.95					
1.4	16QAM	1	3	21.91	22.05	21.96	23.5	0.5			
1.4	16QAM	1	5	21.92	21.98	21.91					
1.4	16QAM	3	0	21.91	21.88	21.94					
1.4	16QAM	3	1	21.86	22.00	21.95					
1.4	16QAM	3	3	21.87	21.94	21.84	22.5	1.5			
1.4	16QAM	6	0	21.02	20.94	20.96					
1.4	64QAM	1	0	20.93	20.92	20.92					
1.4	64QAM	1	3	20.92	20.98	20.96					
1.4	64QAM	1	5	20.92	21.01	20.85	22.5	1.5			
1.4	64QAM	3	0	20.90	20.91	20.89					
1.4	64QAM	3	1	20.89	20.92	20.89					
1.4	64QAM	3	3	20.86	20.99	20.82					
1.4	64QAM	6	0	19.94	19.94	19.80	21.5	2.5			

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		24.5	0	
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95				
10	QPSK	25	12		21.98		23.5	1	
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35		23.5	1	
10	16QAM	1	49		22.24				
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95				
10	16QAM	25	25		20.91		22.5	2	
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16				
10	64QAM	1	49		21.18		21.5	3	
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98				
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.19	23.22	23.28	24.5	0	
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25			
5	QPSK	12	0	21.74	21.71	21.78			
5	QPSK	12	7	21.75	21.70	21.74	23.5	1	
5	QPSK	12	13	21.74	21.75	21.74			
5	QPSK	25	0	21.78	21.74	21.77			
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.10	23.5	1	
5	16QAM	1	24	22.06	22.03	22.02			
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74			
5	16QAM	12	13	20.73	20.73	20.74	22.5	2	
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96			
5	64QAM	1	12	21.02	20.97	20.99			
5	64QAM	1	24	20.91	20.91	20.92	22.5	2	
5	64QAM	12	0	19.83	19.82	19.84			
5	64QAM	12	7	19.85	19.83	19.83			
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80	21.5	3	

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.08		24.5	0	
10	QPSK	1	25		23.11				
10	QPSK	1	49		23.06				
10	QPSK	25	0		21.56				
10	QPSK	25	12		21.58		23.5	1	
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55				
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93		23.5	1	
10	16QAM	1	49		21.82				
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54				
10	16QAM	25	25		20.51		22.5	2	
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79				
10	64QAM	1	49		20.71		22.5	2	
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55				
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52		21.5	3	
Channel				23205	23230	23255			
Frequency (MHz)				770.5	782	794.5	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.77	22.79	22.77	24.5	0	
5	QPSK	1	12	22.90	22.90	22.76			
5	QPSK	1	24	22.74	22.79	22.76			
5	QPSK	12	0	21.78	21.73	21.77			
5	QPSK	12	7	21.78	21.73	21.75	23.5	1	
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77			
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63	23.5	1	
5	16QAM	1	24	21.56	21.60	21.52			
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	2	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97			
5	64QAM	1	24	20.95	20.95	20.89	22.5	2	
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82			
5	64QAM	12	13	19.83	19.85	19.82			
5	64QAM	25	0	19.84	19.81	19.79	21.5	3	

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.11	23.16	23.05	24	0	23.5	0.5
10	QPSK	1	25	23.12	23.19	23.09				
10	QPSK	1	49	23.06	23.11	23.05				
10	QPSK	25	0	22.09	22.14	22.09				
10	QPSK	25	12	22.12	22.15	22.10	23.5	0.5		
10	QPSK	25	25	22.07	22.11	22.07				
10	QPSK	50	0	22.07	22.12	22.07				
10	16QAM	1	0	22.02	22.09	22.04				
10	16QAM	1	25	22.09	22.09	22.04	23.5	0.5		
10	16QAM	1	49	22.01	22.06	22.04				
10	16QAM	25	0	21.08	21.12	21.05				
10	16QAM	25	12	21.08	21.09	21.03				
10	16QAM	25	25	21.00	21.04	21.05	22.5	1.5		
10	16QAM	50	0	21.05	21.09	21.04				
10	64QAM	1	0	20.97	21.02	21.01				
10	64QAM	1	25	21.03	21.03	21.02				
10	64QAM	1	49	20.97	20.99	21.01	21.5	2.5		
10	64QAM	25	0	20.06	20.08	20.00				
10	64QAM	25	12	20.01	20.07	19.96				
10	64QAM	25	25	19.95	20.01	19.99				
10	64QAM	50	0	19.98	20.03	19.97				
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.07	23.14	23.02	24	0	23.5	0.5
5	QPSK	1	12	23.07	23.13	23.05				
5	QPSK	1	24	23.05	23.05	22.99				
5	QPSK	12	0	22.07	22.13	22.05				
5	QPSK	12	7	22.10	22.10	22.08	23.5	0.5		
5	QPSK	12	13	22.02	22.05	22.04				
5	QPSK	25	0	22.00	22.07	22.01				
5	16QAM	1	0	21.98	22.08	22.00				
5	16QAM	1	12	22.03	22.07	22.03	23.5	0.5		
5	16QAM	1	24	21.97	22.04	22.02				
5	16QAM	12	0	21.03	21.05	21.04				
5	16QAM	12	7	21.04	21.04	20.96				
5	16QAM	12	13	20.96	20.97	21.03	22.5	1.5		
5	16QAM	25	0	21.00	21.06	20.97				
5	64QAM	1	0	20.92	20.98	20.96				
5	64QAM	1	12	21.01	21.02	21.00				
5	64QAM	1	24	20.95	20.96	20.97	22.5	1.5		
5	64QAM	12	0	20.01	20.05	19.94				
5	64QAM	12	7	19.97	20.01	19.91				
5	64QAM	12	13	19.93	19.94	19.94				
5	64QAM	25	0	19.96	19.97	19.92	21.5	2.5		

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				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24	24.5	0	
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76			
10	QPSK	25	12	21.76	21.82	21.78	23.5	1	
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78			
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00	23.5	1	
10	16QAM	1	49	22.06	22.10	22.03			
10	16QAM	25	0	20.70	20.77	20.67			
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67	22.5	2	
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85			
10	64QAM	1	49	20.93	20.94	20.87	22.5	2	
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69			
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.78	19.66	21.5	3	
Channel				23765	23790	23825			
Frequency (MHz)				709.5	710	710.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.18	23.17	23.16	24.5	0	
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26			
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70	23.5	1	
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05	23.5	1	
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71			
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67	22.5	2	
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91			
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85	22.5	2	
5	64QAM	12	0	19.72	19.72	19.76			
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66	21.5	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	24	0		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	23.35	23.24	23.23				
15	QPSK	1	37	23.38	23.39	23.26				
15	QPSK	1	74	23.33	23.16	23.15	23	1		
15	QPSK	36	0	22.23	22.19	22.18				
15	QPSK	36	20	22.26	22.27	22.21				
15	QPSK	36	39	22.24	22.22	22.20				
15	QPSK	75	0	22.25	22.28	22.17	23	1		
15	16QAM	1	0	22.37	22.30	22.31				
15	16QAM	1	37	22.30	22.37	22.33				
15	16QAM	1	74	22.39	22.24	22.20				
15	16QAM	36	0	21.06	21.04	21.07	22	2		
15	16QAM	36	20	21.04	21.03	21.04				
15	16QAM	36	39	21.08	21.02	21.00				
15	16QAM	75	0	21.10	21.03	21.05				
15	64QAM	1	0	21.23	21.18	21.26	22	2		
15	64QAM	1	37	21.21	21.29	21.24				
15	64QAM	1	74	21.29	21.18	21.17				
15	64QAM	36	0	20.06	20.05	20.06				
15	64QAM	36	20	20.04	20.02	20.03	21	3		
15	64QAM	36	39	20.05	20.02	19.99				
15	64QAM	75	0	20.09	20.02	20.04				
Channel				26760	26865	26960	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				810	831.5	844	24	0		
10	QPSK	1	0	23.07	23.04	23.10				
10	QPSK	1	25	23.13	23.13	23.07				
10	QPSK	1	49	23.03	23.00	22.99	23	1		
10	QPSK	25	0	22.03	22.01	22.01				
10	QPSK	25	25	22.07	22.03	22.01				
10	QPSK	50	0	22.08	22.01	22.02				
10	16QAM	1	0	22.34	22.32	22.31	23	1		
10	16QAM	1	25	22.42	22.39	22.36				
10	16QAM	1	49	22.31	22.25	22.22				
10	16QAM	25	0	21.04	21.00	21.02				
10	16QAM	25	12	21.01	20.99	21.00	22	2		
10	16QAM	25	25	21.06	21.01	21.01				
10	16QAM	50	0	21.07	21.00	21.01				
10	64QAM	1	0	21.28	21.20	21.19				
10	64QAM	1	25	21.27	21.28	21.24	22	2		
10	64QAM	1	49	21.21	21.19	21.15				
10	64QAM	25	0	20.04	20.02	20.03				
10	64QAM	25	12	20.04	20.00	20.01				
10	64QAM	25	25	20.07	20.04	20.03	21	3		
10	64QAM	50	0	20.06	20.02	20.01				
Channel				26715	26865	27015				Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	24	0		
5	QPSK	1	0	23.02	22.97	22.98				
5	QPSK	1	12	23.08	23.07	22.98				
5	QPSK	1	24	23.01	23.02	22.96	23	1		
5	QPSK	12	0	22.04	22.02	22.03				
5	QPSK	12	7	22.05	22.02	22.01				
5	QPSK	12	13	22.03	22.00	21.95				
5	QPSK	25	0	22.08	22.05	22.02	23	1		
5	16QAM	1	0	22.35	22.21	22.28				
5	16QAM	1	12	22.37	22.28	22.28				
5	16QAM	1	24	22.25	22.27	22.20				
5	16QAM	12	0	21.06	21.00	21.03	22	2		
5	16QAM	12	7	21.07	21.02	21.00				
5	16QAM	12	13	21.04	21.00	20.95				
5	16QAM	25	0	21.09	21.02	21.02				
5	64QAM	1	0	21.20	21.13	21.17	22	2		
5	64QAM	1	12	21.25	21.24	21.17				
5	64QAM	1	24	21.17	21.17	21.12				
5	64QAM	12	0	20.09	20.03	20.06				
5	64QAM	12	7	20.08	20.05	20.02	21	3		
5	64QAM	12	13	20.06	20.04	19.99				
5	64QAM	25	0	20.04	20.02	20.00				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5	24	0		
3	QPSK	1	0	22.99	22.93	22.94				
3	QPSK	1	8	22.95	22.94	22.85				
3	QPSK	1	14	22.97	22.97	22.90	23	1		
3	QPSK	8	0	21.09	21.96	21.96				
3	QPSK	8	4	22.01	21.99	21.92				
3	QPSK	8	7	22.00	21.98	21.92				
3	QPSK	15	0	22.00	21.98	21.92	23	1		
3	16QAM	1	0	22.24	22.20	22.19				
3	16QAM	1	8	22.22	22.23	22.17				
3	16QAM	1	14	22.27	22.23	22.20	22	2		
3	16QAM	8	0	21.08	21.01	21.00				
3	16QAM	8	4	21.04	21.02	20.98				
3	16QAM	8	12	21.05	21.02	20.95				
3	16QAM	15	0	21.05	20.98	20.95	22	2		
3	64QAM	1	0	21.15	21.12	21.08				
3	64QAM	1	8	21.11	21.12	21.05				
3	64QAM	1	14	21.14	21.14	21.11				
3	64QAM	8	0	20.03	20.00	19.99	21	3		
3	64QAM	8	4	20.04	20.00	19.94				
3	64QAM	8	7	20.02	20.04	19.96				
3	64QAM	15	0	19.99	19.99	19.95				
Channel				26670	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.7	831.5	848.3	24	0		
1.4	QPSK	1	0	23.05	23.03	22.98				
1.4	QPSK	1	3	23.03	23.00	22.90				
1.4	QPSK	1	5	23.01	23.01	22.94	23	1		
1.4	QPSK	3	0	23.03	23.03	22.98				
1.4	QPSK	3	3	23.03	23.00	22.95				
1.4	QPSK	6	0	22.03	21.98	21.94				
1.4	16QAM	1	0	22.27	22.28	22.17	23	1		
1.4	16QAM	1	3	22.28	22.28	22.15				
1.4	16QAM	1	5	22.25	22.22	22.20				
1.4	16QAM	3	0	22.01	21.97	21.90				
1.4	16QAM	3	1	22.02	21.99	21.92	22	2		
1.4	16QAM	3	3	22.00	21.99	21.92				
1.4	64QAM	1	0	21.17	21.17	21.12				
1.4	64QAM	1	3	21.18	21.18	21.07				
1.4	64QAM	1	5	21.17	21.20	21.12	22	2		
1.4	64QAM	3	0	21.10	21.10	21.03				
1.4	64QAM	3	1	21.11	21.07	20.99				
1.4	64QAM	3	3	21.13	21.12	21.05				
1.4	64QAM	6	0	20.03	19.96	19.90	21	3		

Band 66_Ant 0													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	MPR (dB)					
Channel							132072	132322	132572				
Frequency (MHz)							1720	1745	1770				
20	QPSK	1	0	19.54	19.56	19.53	20.5	0					
20	QPSK	1	49	19.60	19.70	19.63							
20	QPSK	1	99	19.59	19.65	19.58							
20	QPSK	50	0	19.57	19.59	19.55							
20	QPSK	50	24	19.56	19.64	19.62	20.5	0					
20	QPSK	50	50	19.55	19.61	19.55							
20	QPSK	100	0	19.54	19.59	19.56							
20	16QAM	1	0	19.47	19.54	19.48							
20	16QAM	1	49	19.55	19.68	19.58	20.5	0					
20	16QAM	1	99	19.52	19.62	19.57							
20	16QAM	50	0	19.56	19.52	19.50							
20	16QAM	50	24	19.53	19.57	19.56							
20	16QAM	50	50	19.48	19.56	19.54	20.5	0					
20	16QAM	100	0	19.52	19.53	19.50							
20	64QAM	1	0	19.52	19.51	19.48							
20	64QAM	1	49	19.58	19.66	19.62							
20	64QAM	1	99	19.58	19.64	19.53	20.5	0					
20	64QAM	50	0	19.51	19.53	19.51							
20	64QAM	50	24	19.53	19.60	19.57							
20	64QAM	50	50	19.54	19.59	19.48							
20	64QAM	100	0	19.49	19.53	19.51	20.5	0					
Channel											132047	132322	132597
Frequency (MHz)											1717.5	1745	1772.5
15	QPSK	1	0	19.51	19.50	19.49	20.5	0					
15	QPSK	1	37	19.54	19.66	19.57							
15	QPSK	1	74	19.58	19.58	19.57							
15	QPSK	36	0	19.55	19.52	19.53							
15	QPSK	36	20	19.59	19.62	19.58	20.5	0					
15	QPSK	36	39	19.48	19.57	19.51							
15	QPSK	75	0	19.48	19.52	19.49							
15	16QAM	1	0	19.40	19.50	19.41							
15	16QAM	1	37	19.54	19.65	19.51	20.5	0					
15	16QAM	1	74	19.49	19.56	19.51							
15	16QAM	36	0	19.51	19.48	19.44							
15	16QAM	36	20	19.49	19.53	19.55							
15	16QAM	36	39	19.47	19.53	19.51	20.5	0					
15	16QAM	75	0	19.50	19.47	19.47							
15	64QAM	1	0	19.50	19.46	19.45							
15	64QAM	1	37	19.51	19.59	19.61							
15	64QAM	1	74	19.50	19.60	19.52	20.5	0					
15	64QAM	36	0	19.47	19.48	19.50							
15	64QAM	36	20	19.47	19.56	19.55							
15	64QAM	36	39	19.48	19.53	19.46							
15	64QAM	75	0	19.43	19.52	19.44	20.5	0					
Channel											132022	132322	132622
Frequency (MHz)											1715	1745	1775
10	QPSK	1	0	19.51	19.53	19.52	20.5	0					
10	QPSK	1	25	19.57	19.65	19.61							
10	QPSK	1	49	19.52	19.58	19.51							
10	QPSK	25	0	19.52	19.52	19.48							
10	QPSK	25	12	19.53	19.57	19.56	20.5	0					
10	QPSK	25	25	19.53	19.58	19.52							
10	QPSK	50	0	19.50	19.54	19.50							
10	16QAM	1	0	19.43	19.52	19.46							
10	16QAM	1	25	19.49	19.63	19.55	20.5	0					
10	16QAM	1	49	19.47	19.58	19.56							
10	16QAM	25	0	19.55	19.48	19.49							
10	16QAM	25	12	19.50	19.51	19.50							
10	16QAM	25	25	19.41	19.53	19.51	20.5	0					
10	16QAM	50	0	19.49	19.48	19.45							
10	64QAM	1	0	19.46	19.45	19.41							
10	64QAM	1	25	19.52	19.59	19.61							
10	64QAM	1	49	19.53	19.61	19.48	20.5	0					
10	64QAM	25	0	19.49	19.52	19.50							
10	64QAM	25	12	19.47	19.57	19.53							
10	64QAM	25	25	19.53	19.58	19.47							
10	64QAM	50	0	19.43	19.48	19.49	20.5	0					
Channel											131997	132322	132647
Frequency (MHz)											1712.5	1745	1772.5
5	QPSK	1	0	19.49	19.50	19.52	20.5	0					
5	QPSK	1	12	19.54	19.63	19.57							
5	QPSK	1	24	19.56	19.64	19.51							
5	QPSK	12	0	19.56	19.52	19.54							
5	QPSK	12	7	19.56	19.60	19.56	20.5	0					
5	QPSK	12	13	19.51	19.56	19.50							
5	QPSK	25	0	19.50	19.57	19.55							
5	16QAM	1	0	19.44	19.49	19.44							
5	16QAM	1	12	19.49	19.65	19.53	20.5	0					
5	16QAM	1	24	19.50	19.57	19.54							
5	16QAM	12	0	19.55	19.47	19.49							
5	16QAM	12	7	19.49	19.54	19.51							
5	16QAM	12	13	19.43	19.53	19.52	20.5	0					
5	16QAM	25	0	19.47	19.51	19.48							
5	64QAM	1	0	19.49	19.50	19.43							
5	64QAM	1	12	19.52	19.63	19.59							
5	64QAM	1	24	19.53	19.63	19.56	20.5	0					
5	64QAM	12	0	19.48	19.52	19.44							
5	64QAM	12	7	19.51	19.53	19.53							
5	64QAM	12	13	19.48	19.57	19.44							
5	64QAM	25	0	19.42	19.50	19.44	20.5	0					
Channel											131987	132322	132657
Frequency (MHz)											1711.5	1745	1778.5
3	QPSK	1	0	19.50	19.54	19.51	20.5	0					
3	QPSK	1	8	19.59	19.67	19.61							
3	QPSK	1	14	19.52	19.61	19.54							
3	QPSK	8	0	19.56	19.52	19.48							
3	QPSK	8	4	19.54	19.60	19.60	20.5	0					
3	QPSK	8	7	19.53	19.59	19.53							
3	QPSK	15	0	19.53	19.54	19.50							
3	16QAM	1	0	19.45	19.51	19.47							
3	16QAM	1	8	19.52	19.62	19.53	20.5	0					
3	16QAM	1	14	19.48	19.56	19.54							
3	16QAM	8	0	19.55	19.46	19.47							
3	16QAM	8	4	19.49	19.50	19.53							
3	16QAM	8	7	19.41	19.52	19.50	20.5	0					
3	16QAM	15	0	19.46	19.50	19.45							
3	64QAM	1	0	19.50	19.48	19.42							
3	64QAM	1	8	19.55	19.64	19.61							
3	64QAM	1	14	19.57	19.60	19.49	20.5	0					
3	64QAM	8	0	19.46	19.49	19.45							
3	64QAM	8	4	19.49	19.58	19.56							
3	64QAM	8	7	19.49	19.62	19.43							
3	64QAM	15	0	19.45	19.52	19.45	20.5	0					
Channel											131919	132322	132695
Frequency (MHz)							1710.5	1745	1779.5				
1.4	QPSK	1	0	19.49	19.49	19.50	20.5	0					
1.4	QPSK	1	3	19.54	19.54	19.50							
1.4	QPSK	1	5	19.52	19.54	19.56							
1.4	QPSK	3	0	19.53	19.57	19.54							
1.4	QPSK	3	1	19.57	19.61	19.55	20.5	0					
1.4	QPSK	3	3	19.50	19.56	19.48							
1.4	QPSK	6	0	19.52	19.56	19.49							
1.4	16QAM	1	0	19.46	19.52	19.46							
1.4	16QAM	1	3	19.54	19.67	19.59	20.5	0					
1.4	16QAM	1	5	19.46	19.55	19.53							
1.4	16QAM	3	0	19.51	19.46	19.48							
1.4	16QAM	3	1	19.52	19.50	19.53							
1.4	16QAM	6	0	19.46	19.48	19.46	20.5	0					
1.4	64QAM	1	0	19.50	19.44	19.43							
1.4	64QAM	1	3	19.52	19.59	19.61							
1.4	64QAM	1	5	19.53	19.63	19.51							
1.4	64QAM	3	0	19.48	19.51	19.49	20.5	0					
1.4	64QAM	3	1	19.46	19.56	19.51							
1.4	64QAM	3	3	19.50	19.57	19.42							
1.4	64QAM	6	0	19.47	19.49	19.46							

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	23.35	23.25	23.25	24	0		
20	QPSK	1	49	23.38	23.39	23.28				
20	QPSK	1	99	23.20	23.18	22.90				
20	QPSK	50	0	22.31	22.23	22.27	23	1		
20	QPSK	50	24	22.33	22.34	22.32				
20	QPSK	50	50	22.27	22.22	22.26				
20	QPSK	100	0	22.29	22.35	22.28	23	1		
20	16QAM	1	0	22.26	22.27	22.33				
20	16QAM	1	49	22.45	22.51	22.51				
20	16QAM	1	99	22.40	22.42	22.38	22	2		
20	16QAM	50	0	21.29	21.36	21.36				
20	16QAM	50	24	21.39	21.36	21.37				
20	16QAM	50	50	21.40	21.39	21.35	22	2		
20	16QAM	100	0	21.33	21.39	21.41				
20	64QAM	1	0	20.99	21.11	21.06				
20	64QAM	1	49	21.16	21.20	21.19	22	2		
20	64QAM	1	99	21.13	21.12	21.08				
20	64QAM	50	0	20.27	20.31	20.32				
20	64QAM	50	24	20.35	20.35	20.38	21	3		
20	64QAM	50	50	20.35	20.36	20.32				
20	64QAM	100	0	20.31	20.37	20.38				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.22	23.28	23.14	24	0		
15	QPSK	1	37	23.37	23.35	23.11				
15	QPSK	1	74	23.35	23.22	23.02				
15	QPSK	36	0	22.28	22.28	22.23	23	1		
15	QPSK	36	20	22.32	22.25	22.24				
15	QPSK	36	39	22.33	22.30	22.23				
15	QPSK	75	0	22.29	22.27	22.26	23	1		
15	16QAM	1	0	22.26	22.35	22.25				
15	16QAM	1	37	22.42	22.43	22.30				
15	16QAM	1	74	22.46	22.42	22.29	22	2		
15	16QAM	36	0	21.31	21.29	21.25				
15	16QAM	36	20	21.37	21.32	21.28				
15	16QAM	36	39	21.39	21.33	21.29	22	2		
15	16QAM	75	0	21.41	21.38	21.35				
15	64QAM	1	0	21.11	21.16	21.04				
15	64QAM	1	37	21.23	21.23	21.07	22	2		
15	64QAM	1	74	21.28	21.22	21.06				
15	64QAM	36	0	20.32	20.31	20.30				
15	64QAM	36	20	20.35	20.32	20.30	21	3		
15	64QAM	36	39	20.40	20.35	20.30				
15	64QAM	75	0	20.38	20.36	20.34				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.28	23.17	22.83	24	0		
10	QPSK	1	25	23.31	23.29	23.03				
10	QPSK	1	49	23.26	23.12	22.90				
10	QPSK	25	0	22.38	22.37	22.32	23	1		
10	QPSK	25	12	22.40	22.39	22.33				
10	QPSK	25	25	22.44	22.40	22.33				
10	QPSK	50	0	22.39	22.39	22.32	23	1		
10	16QAM	1	0	22.50	22.39	22.40				
10	16QAM	1	25	22.46	22.50	22.36				
10	16QAM	1	49	22.55	22.46	22.39	22	2		
10	16QAM	25	0	21.38	21.38	21.33				
10	16QAM	25	12	21.39	21.38	21.35				
10	16QAM	25	25	21.44	21.38	21.36	22	2		
10	16QAM	50	0	21.42	21.38	21.33				
10	64QAM	1	0	21.18	21.10	21.12				
10	64QAM	1	25	21.15	21.22	21.10	22	2		
10	64QAM	1	49	21.26	21.18	21.10				
10	64QAM	25	0	20.38	20.40	20.35				
10	64QAM	25	12	20.41	20.38	20.34	21	3		
10	64QAM	25	25	20.47	20.41	20.35				
10	64QAM	50	0	20.36	20.36	20.30				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.32	23.36	23.29	24	0		
5	QPSK	1	12	23.36	23.36	23.08				
5	QPSK	1	24	23.35	23.25	22.98				
5	QPSK	12	0	22.40	22.40	22.38	23	1		
5	QPSK	12	7	22.35	22.42	22.37				
5	QPSK	12	13	22.35	22.42	22.36				
5	QPSK	25	0	22.40	22.44	22.36	23	1		
5	16QAM	1	0	22.50	22.45	22.41				
5	16QAM	1	12	22.43	22.55	22.44				
5	16QAM	1	24	22.48	22.50	22.42	22	2		
5	16QAM	12	0	21.36	21.37	21.34				
5	16QAM	12	7	21.33	21.37	21.32				
5	16QAM	12	13	21.33	21.36	21.33	22	2		
5	16QAM	25	0	21.42	21.44	21.41				
5	64QAM	1	0	21.23	21.16	21.12				
5	64QAM	1	12	21.18	21.23	21.08	22	2		
5	64QAM	1	24	21.17	21.18	21.12				
5	64QAM	12	0	20.37	20.41	20.35				
5	64QAM	12	7	20.34	20.40	20.35	21	3		
5	64QAM	12	13	20.33	20.40	20.34				
5	64QAM	25	0	20.41	20.44	20.38				

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	19.59	19.64	19.62	20.5	0		
20	QPSK	1	49	19.57	19.59	19.59				
20	QPSK	1	99	19.44	19.49	19.47				
20	QPSK	50	0	19.61	19.62	19.55	20.5	0		
20	QPSK	50	24	19.62	19.64	19.63				
20	QPSK	50	50	19.55	19.56	19.50				
20	QPSK	100	0	19.56	19.59	19.58	20.5	0		
20	16QAM	1	0	19.58	19.57	19.61				
20	16QAM	1	49	19.64	19.64	19.60				
20	16QAM	1	99	19.38	19.44	19.41	20.5	0		
20	16QAM	50	0	19.26	19.23	19.37				
20	16QAM	50	24	19.33	19.21	19.41				
20	16QAM	50	50	19.35	19.15	19.42	20.5	0		
20	16QAM	100	0	19.31	19.23	19.41				
20	64QAM	1	0	18.95	18.95	19.04				
20	64QAM	1	49	19.12	18.96	19.20	20.5	0		
20	64QAM	1	99	19.09	18.83					
20	64QAM	50	0	19.23	19.20	19.34				
20	64QAM	50	24	19.30	19.20	19.38	20.5	0		
20	64QAM	50	50	19.30	19.16	19.41				
20	64QAM	100	0	19.26	19.18	19.42				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.63	19.59	19.61	20.5	0		
15	QPSK	1	37	19.67	19.67	19.65				
15	QPSK	1	74	19.40	19.47	19.46				
15	QPSK	36	0	19.60	19.58	19.52	20.5	0		
15	QPSK	36	20	19.61	19.61	19.62				
15	QPSK	36	39	19.52	19.50	19.43				
15	QPSK	75	0	19.49	19.56	19.55	20.5	0		
15	16QAM	1	0	19.54	19.50	19.58				
15	16QAM	1	37	19.58	19.61	19.54				
15	16QAM	1	74	19.33	19.37	19.37	20.5	0		
15	16QAM	36	0	19.18	19.11	19.24				
15	16QAM	36	20	19.21	19.11	19.28				
15	16QAM	36	39	19.21	19.02	19.33	20.5	0		
15	16QAM	75	0	19.15	19.12	19.27				
15	64QAM	1	0	19.04	19.04	19.09				
15	64QAM	1	37	19.07	19.04	19.15	20.5	0		
15	64QAM	1	74	19.00	18.75	19.13				
15	64QAM	36	0	19.12	19.05	19.23				
15	64QAM	36	20	19.19	19.08	19.23	20.5	0		
15	64QAM	36	39	19.22	19.02	19.27				
15	64QAM	75	0	19.10	19.07	19.35				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.58	19.62	19.57	20.5	0		
10	QPSK	1	25	19.62	19.63	19.58				
10	QPSK	1	49	19.41	19.47	19.40				
10	QPSK	25	0	19.60	19.60	19.50	20.5	0		
10	QPSK	25	12	19.56	19.58	19.56				
10	QPSK	25	25	19.53	19.55	19.49				
10	QPSK	50	0	19.55	19.57	19.50	20.5	0		
10	16QAM	1	0	19.55	19.50	19.57				
10	16QAM	1	25	19.58	19.60	19.59				
10	16QAM	1	49	19.36	19.37	19.38	20.5	0		
10	16QAM	25	0	19.12	19.09	19.32				
10	16QAM	25	12	19.19	19.08	19.34				
10	16QAM	25	25	19.25	19.07	19.36	20.5	0		
10	16QAM	50	0	19.15	19.12	19.34				
10	64QAM	1	0	18.87	18.83	18.98				
10	64QAM	1	25	19.07	18.80	19.12	20.5	0		
10	64QAM	1	49	19.09	18.77	19.12				
10	64QAM	25	0	19.18	19.08	19.19				
10	64QAM	25	12	19.21	19.05	19.32	20.5	0		
10	64QAM	25	25	19.16	19.06	19.38				
10	64QAM	50	0	19.19	19.05	19.27				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.55	19.58	19.57	20.5	0		
5	QPSK	1	12	19.60	19.62	19.64				
5	QPSK	1	24	19.39	19.47	19.44				
5	QPSK	12	0	19.56	19.61	19.50	20.5	0		
5	QPSK	12	7	19.61	19.62	19.57				
5	QPSK	12	13	19.52	19.53	19.48				
5	QPSK	25	0	19.52	19.53	19.53	20.5	0		
5	16QAM	1	0	19.51	19.50	19.59				
5	16QAM	1	12	19.59	19.61	19.53				
5	16QAM	1	24	19.36	19.43	19.40	20.5	0		
5	16QAM	12	0	19.13	19.08	19.31				
5	16QAM	12	7	19.19	19.15	19.31				
5	16QAM	12	13	19.30	19.10	19.33	20.5	0		
5	16QAM	25	0	19.20	19.17	19.30				
5	64QAM	1	0	18.86	18.86	18.99				
5	64QAM	1	12	19.07	18.85	19.07	20.5	0		
5	64QAM	1	24	19.02	18.67	19.12				
5	64QAM	12	0	19.14	19.06	19.26				
5	64QAM	12	7	19.14	19.06	19.28	20.5	0		
5	64QAM	12	13	19.16	19.07	19.28				
5	64QAM	25	0	19.21	19.10	19.36				

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	23.68	23.62	23.80	23.86	23.45	24.5	0		
20	QPSK	1	49	23.72	23.69	23.82	23.91	23.35				
20	QPSK	1	99	23.70	23.78	23.79	23.98	22.98				
20	QPSK	50	0	22.13	22.18	22.28	22.48	22.35	23.5	1		
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38				
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.36				
20	QPSK	100	0	22.29	22.23	22.23	22.42	22.38	23.5	1		
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.09				
20	16QAM	1	49	22.20	22.35	22.47	22.30	22.16				
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14	22.5	2		
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11				
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09				
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	22.5	2		
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09				
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79				
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88	22.5	2		
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82				
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05				
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06	21.5	3		
20	64QAM	50	50	20.12	20.23	20.39	20.17	20.01				
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08				
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	23.61	23.70	23.84	23.74	23.51	24.5	0		
15	QPSK	1	37	23.71	23.84	23.80	23.77	23.34				
15	QPSK	1	74	23.70	23.80	23.89	23.71	23.13				
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06	23.5	1		
15	QPSK	36	20	22.16	22.29	22.37	22.19	22.07				
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05				
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07	23.5	1		
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12				
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17				
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14	22.5	2		
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00				
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99				
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.97	22.5	2		
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08				
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.82				
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84	22.5	2		
15	64QAM	1	74	20.98	21.05	21.22	21.06	20.85				
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02				
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01	21.5	3		
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99				
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501 <th>2547<th>2593<th>2639<th>2685</th><th colspan="4"></th></th></th></th>	2547 <th>2593<th>2639<th>2685</th><th colspan="4"></th></th></th>	2593 <th>2639<th>2685</th><th colspan="4"></th></th>	2639 <th>2685</th> <th colspan="4"></th>	2685				
10	QPSK	1	0	23.47	23.73	23.89	23.70	23.65	24.5	0		
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12				
10	QPSK	1	49	23.65	23.83	23.82	23.74	23.86				
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11	23.5	1		
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10				
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11				
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13	23.5	1		
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20				
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19				
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22	22.5	2		
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14				
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14				
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14	22.5	2		
10	16QAM	50	0	21.16	21.29	21.37	21.23	21.14				
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86				
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88	22.5	2		
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90				
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16				
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14	21.5	3		
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13				
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10				
Channel				2497.5	2543.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				23.71	23.73	23.85	23.68	23.46				
5	QPSK	1	0	23.71	23.73	23.85	23.68	23.46	24.5	0		
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16				
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01				
5	QPSK	12	0	22.26	22.28	22.42	22.23	22.14	23.5	1		
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14				
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11				
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17	23.5	1		
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20				
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.24				
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23	22.5	2		
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09				
5	16QAM	12	7	21.16	21.22	21.36	21.16	21.09				
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07	22.5	2		
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17				
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92				
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.91	22.5	2		
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92				
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13				
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14	21.5	3		
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10				
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14				

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	2548.5	2593	2636.5	2680								
20	QPSK	1	0	19.61	19.53	19.51	19.63	19.65	20.25	0						
20	QPSK	1	49	19.65	19.75	19.56	19.85	19.76								
20	QPSK	1	45	19.59	19.56	19.59	19.71	19.67								
20	QPSK	50	0	19.70	19.67	19.72	19.77	19.64								
20	QPSK	50	24	19.73	19.73	19.74	19.76	19.74								
20	QPSK	50	50	19.72	19.65	19.72	19.74	19.72	20.25	0						
20	QPSK	100	0	19.70	19.58	19.74	19.77	19.69								
20	16QAM	1	0	19.51	19.49	19.49	19.67	19.69								
20	16QAM	1	45	19.56	19.45	19.45	19.60	19.59								
20	16QAM	1	59	19.54	19.63	19.52	19.72	19.69								
20	16QAM	50	0	19.45	19.43	19.45	19.49	19.38	20.25	0						
20	16QAM	50	24	19.58	19.67	19.58	19.71	19.69								
20	16QAM	50	50	19.51	19.67	19.40	19.62	19.72								
20	16QAM	100	0	19.60	19.53	19.61	19.62	19.64								
20	64QAM	1	0	19.58	19.60	19.70	19.66	19.58								
20	64QAM	1	45	19.56	19.45	19.45	19.60	19.59	20.25	0						
20	64QAM	1	59	19.62	19.45	19.57	19.61	19.49								
20	64QAM	50	0	19.38	19.41	19.47	19.52	19.50								
20	64QAM	50	24	19.56	19.51	19.42	19.68	19.62								
20	64QAM	50	50	19.51	19.61	19.51	19.67	19.64								
20	64QAM	100	0	19.48	19.47	19.50	19.70	19.71								
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)				2603.5	2644.3	2693	2737.8	2782.5								
15	QPSK	1	0	19.62	19.62	19.62	19.62	19.62	20.25	0						
15	QPSK	1	31	19.56	19.68	19.51	19.77	19.67								
15	QPSK	1	74	19.46	19.63	19.60	19.71	19.61								
15	QPSK	36	0	19.58	19.62	19.62	19.70	19.58								
15	QPSK	36	20	19.58	19.66	19.65	19.72	19.66								
15	QPSK	36	39	19.58	19.50	19.62	19.65	19.63	20.25	0						
15	QPSK	75	0	19.63	19.48	19.58	19.62	19.54								
15	16QAM	1	0	19.43	19.43	19.43	19.43	19.63								
15	16QAM	1	37	19.49	19.61	19.56	19.68	19.67								
15	16QAM	1	74	19.47	19.51	19.36	19.59	19.63								
15	16QAM	36	0	19.32	19.33	19.31	19.40	19.43	20.25	0						
15	16QAM	36	20	19.48	19.51	19.51	19.55	19.60								
15	16QAM	36	39	19.44	19.51	19.30	19.52	19.56								
15	16QAM	75	0	19.44	19.39	19.51	19.49	19.49								
15	64QAM	1	0	19.53	19.45	19.46	19.56	19.56								
15	64QAM	1	37	19.41	19.27	19.53	19.45	19.44	20.25	0						
15	64QAM	1	74	19.51	19.35	19.42	19.45	19.43								
15	64QAM	36	0	19.25	19.29	19.39	19.43	19.40								
15	64QAM	36	20	19.43	19.39	19.35	19.55	19.49								
15	64QAM	36	39	19.38	19.49	19.46	19.52	19.35								
15	64QAM	75	0	19.39	19.40	19.40	19.42	19.55	20.25	0						
Channel				39700	40160	40620	41068	41540					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2591 <th>2647<th>2693<th>2739<th>2785</th><th></th><th></th><th></th><th></th></th></th></th>	2647 <th>2693<th>2739<th>2785</th><th></th><th></th><th></th><th></th></th></th>	2693 <th>2739<th>2785</th><th></th><th></th><th></th><th></th></th>	2739 <th>2785</th> <th></th> <th></th> <th></th> <th></th>	2785								
10	QPSK	1	0	19.53	19.37	19.36	19.55	19.58					20.25	0		
10	QPSK	1	25	19.55	19.70	19.49	19.81	19.62								
10	QPSK	1	49	19.51	19.62	19.46	19.72	19.55								
10	QPSK	25	0	19.56	19.52	19.63	19.69	19.50								
10	QPSK	25	12	19.68	19.59	19.69	19.62	19.62								
10	QPSK	25	25	19.56	19.54	19.56	19.65	19.63	20.25	0						
10	QPSK	50	0	19.56	19.49	19.49	19.67	19.57								
10	16QAM	1	0	19.44	19.33	19.43	19.54	19.61								
10	16QAM	1	25	19.50	19.57	19.57	19.72	19.69								
10	16QAM	1	49	19.48	19.53	19.44	19.61	19.63								
10	16QAM	25	0	19.30	19.27	19.37	19.37	19.44	20.25	0						
10	16QAM	25	12	19.43	19.54	19.53	19.60	19.59								
10	16QAM	25	25	19.43	19.50	19.46	19.54	19.59								
10	16QAM	50	0	19.46	19.42	19.52	19.62	19.54								
10	64QAM	1	0	19.42	19.54	19.54	19.51	19.43								
10	64QAM	1	25	19.50	19.36	19.48	19.54	19.52	20.25	0						
10	64QAM	1	49	19.50	19.35	19.49	19.54	19.34								
10	64QAM	25	0	19.33	19.28	19.40	19.38	19.34								
10	64QAM	25	12	19.46	19.38	19.28	19.50	19.57								
10	64QAM	25	25	19.45	19.36	19.36	19.52	19.48								
10	64QAM	50	0	19.35	19.40	19.37	19.64	19.61	20.25	0						
Channel				39679	40148	40620	41068	41565					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2497.5	2545.8	2593	2640.30	2687.5								
5	QPSK	1	0	19.45	19.41	19.43	19.50	19.60					20.25	0		
5	QPSK	1	12	19.56	19.59	19.49	19.81	19.71								
5	QPSK	1	24	19.45	19.62	19.47	19.74	19.60								
5	QPSK	12	0	19.62	19.52	19.62	19.69	19.56								
5	QPSK	13	7	19.67	19.56	19.56	19.72	19.60								
5	QPSK	12	13	19.62	19.58	19.66	19.67	19.58	20.25	0						
5	QPSK	25	0	19.64	19.52	19.67	19.71	19.55								
5	16QAM	1	0	19.39	19.42	19.39	19.54	19.58								
5	16QAM	1	12	19.46	19.56	19.55	19.64	19.60								
5	16QAM	1	24	19.40	19.57	19.47	19.64	19.62								
5	16QAM	12	0	19.36	19.34	19.34	19.42	19.46	20.25	0						
5	16QAM	12	7	19.43	19.52	19.52	19.63	19.63								
5	16QAM	12	13	19.37	19.61	19.28	19.55	19.63								
5	16QAM	25	0	19.48	19.47	19.50	19.50	19.52								
5	64QAM	1	0	19.45	19.48	19.54	19.53	19.44								
5	64QAM	1	12	19.43	19.35	19.55	19.51	19.44	20.25	0						
5	64QAM	1	24	19.52	19.33	19.46	19.55	19.35								
5	64QAM	12	0	19.36	19.36	19.36	19.46	19.38								
5	64QAM	12	7	19.50	19.48	19.34	19.55	19.35								
5	64QAM	12	13	19.39	19.51	19.38	19.55	19.49								
5	64QAM	25	0	19.37	19.34	19.42	19.58	19.61								

Reduced Power for DSI 4

GSMB50_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		32.26	32.26	32.27	33.50	23.26	23.26	23.27 24.50
GP-RS 1 Tx slot		32.24	32.24	32.17	33.50	23.24	23.24	23.17 24.50
GP-RS 2 Tx slots		30.68	30.69	30.59	32.00	24.68	24.69	24.59 25.00
GP-RS 3 Tx slots		29.26	29.26	29.16	30.50	25.02	25.03	24.90 25.14
GP-RS 4 Tx slots		26.69	26.69	26.65	28.00	23.69	23.69	23.65 28.00
EDGE(GMSK 1 Tx slot)		32.14	32.17	32.07	33.50	23.14	23.17	23.07 24.50
EDGE(GMSK 2 Tx slot)		30.62	30.60	30.49	32.00	24.62	24.60	24.49 25.00
EDGE(GMSK 3 Tx slot)		26.18	26.13	25.08	30.00	23.92	23.87	23.82 25.14
EDGE(GMSK 4 Tx slot)		26.58	26.63	26.57	28.00	23.58	23.63	23.57 25.00
EDGE(PSK 1 Tx slot)		26.57	26.56	26.57	28.00	17.57	17.59	17.57 19.50
EDGE(PSK 2 Tx slot)		24.52	24.58	24.53	25.50	18.52	18.59	18.53 20.50
EDGE(PSK 3 Tx slot)		22.52	22.66	22.55	24.50	18.26	18.40	18.29 20.24
EDGE(PSK 4 Tx slot)		22.00	22.11	22.05	22.50	19.00	19.11	19.05 19.50

GSMB50_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		27.66	27.81	28.06	29.00	16.66	16.81	19.06 20.00
GP-RS 1 Tx slot		27.63	27.74	28.05	29.00	18.63	18.74	19.05 20.00
GP-RS 2 Tx slots		26.67	27.07	27.05	27.50	20.67	21.07	21.05 21.50
GP-RS 3 Tx slots		24.72	24.80	25.12	25.50	20.46	20.54	20.96 21.24
GP-RS 4 Tx slots		23.73	24.05	24.07	24.50	20.73	21.08	21.07 21.50
EDGE(GMSK 1 Tx slot)		27.49	27.60	27.89	29.00	18.49	18.60	18.89 20.00
EDGE(GMSK 2 Tx slot)		26.60	26.94	26.96	27.50	20.60	20.94	20.96 21.50
EDGE(GMSK 3 Tx slot)		24.67	24.64	25.00	25.50	20.41	20.38	20.74 21.24
EDGE(GMSK 4 Tx slot)		23.65	23.98	24.02	24.50	20.65	20.98	21.02 21.50
EDGE(PSK 1 Tx slot)		22.43	22.37	22.31	24.00	15.43	15.57	15.51 16.00
EDGE(PSK 2 Tx slot)		21.39	21.49	21.44	22.00	15.38	15.43	15.44 16.00
EDGE(PSK 3 Tx slot)		19.32	19.41	19.34	20.00	15.06	15.15	15.08 15.74
EDGE(PSK 4 Tx slot)		18.12	18.24	18.10	19.00	15.12	15.24	15.10 16.00

GSMB50_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	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot		29.51	29.82	29.50	30.50	20.51	20.82	20.50 21.50
GP-RS 1 Tx slot		29.49	29.79	29.48	30.50	20.49	20.79	20.48 21.50
GP-RS 2 Tx slots		27.90	28.07	27.97	29.00	21.90	22.07	21.97 23.00
GP-RS 3 Tx slots		26.30	26.57	26.28	27.50	22.04	22.31	22.02 22.74
GP-RS 4 Tx slots		23.92	24.18	23.91	25.00	20.92	21.15	20.91 22.00
EDGE(GMSK 1 Tx slot)		29.36	29.70	29.36	30.50	20.36	20.70	20.36 21.50
EDGE(GMSK 2 Tx slot)		27.65	27.91	27.72	29.00	21.65	21.91	21.72 23.00
EDGE(GMSK 3 Tx slot)		26.21	26.47	26.19	27.00	21.95	22.21	21.93 22.74
EDGE(GMSK 4 Tx slot)		23.77	23.99	23.80	25.00	20.77	20.99	20.80 22.00
EDGE(PSK 1 Tx slot)		25.88	25.84	25.89	27.50	16.88	16.84	16.89 16.50
EDGE(PSK 2 Tx slot)		24.05	24.21	24.08	25.50	16.05	16.21	16.08 19.50
EDGE(PSK 3 Tx slot)		22.24	22.32	22.17	23.50	17.98	18.06	17.91 19.24
EDGE(PSK 4 Tx slot)		20.75	20.89	20.77	21.50	17.75	17.89	17.77 18.50

GSMB50_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot		23.77	23.79	23.85	24.00	14.77	14.79	14.65 15.00
GP-RS 1 Tx slot		23.75	23.78	23.63	24.00	14.75	14.78	14.63 15.00
GP-RS 2 Tx slots		22.73	22.85	22.64	23.50	16.73	16.85	16.64 17.50
GP-RS 3 Tx slots		20.72	20.84	20.63	21.50	16.48	16.58	16.37 17.24
GP-RS 4 Tx slots		19.72	19.83	19.64	20.50	16.72	16.82	16.64 17.50
EDGE(GMSK 1 Tx slot)		23.75	23.78	23.65	24.00	14.75	14.78	14.65 15.00
EDGE(GMSK 2 Tx slot)		22.73	22.85	22.65	23.50	16.73	16.85	16.65 17.50
EDGE(GMSK 3 Tx slot)		20.73	20.85	20.64	21.50	16.47	16.59	16.38 17.24
EDGE(GMSK 4 Tx slot)		19.72	19.82	19.66	20.50	16.72	16.82	16.66 17.50
EDGE(PSK 1 Tx slot)		19.96	20.20	20.29	21.00	10.96	11.20	11.29 12.00
EDGE(PSK 2 Tx slot)		18.00	19.19	19.34	20.00	12.00	13.19	13.34 14.00
EDGE(PSK 3 Tx slot)		16.76	17.16	17.23	18.00	12.50	12.90	12.97 13.74
EDGE(PSK 4 Tx slot)		15.78	15.97	15.93	16.00	12.78	12.97	12.93 13.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9622	9800	9938		9622	9800	9938	
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.55	23.57	23.50	24.50	16.80	16.77	16.72	17.50
3GPP Rel 99	RMC 12.2Kbps	23.57	23.58	23.53	24.50	16.82	16.83	16.76	17.50
3GPP Rel 6	HSDPA Subtest-1	22.51	22.76	22.79	24.50	15.77	15.93	15.87	17.50
3GPP Rel 6	HSDPA Subtest-2	22.83	22.72	22.81	24.50	15.74	15.58	15.50	17.50
3GPP Rel 6	HSDPA Subtest-3	22.09	22.26	22.30	24.00	15.29	15.45	15.47	17.00
3GPP Rel 6	HSDPA Subtest-4	22.06	22.21	22.25	24.00	15.29	15.40	15.41	17.00
3GPP Rel 8	DCHSDPA Subtest-1	22.55	22.63	22.74	24.50	15.64	15.80	15.82	17.50
3GPP Rel 8	DCHSDPA Subtest-2	22.59	22.61	22.67	24.50	15.70	15.89	15.75	17.50
3GPP Rel 8	DCHSDPA Subtest-3	22.24	22.16	22.27	24.00	15.21	15.36	15.33	17.00
3GPP Rel 8	DCHSDPA Subtest-4	22.06	22.11	22.20	24.00	15.15	15.29	15.34	17.00
3GPP Rel 6	HSUPA Subtest-1	22.56	22.72	22.79	24.50	15.55	15.68	15.65	17.50
3GPP Rel 6	HSUPA Subtest-2	21.52	21.72	21.81	22.50	14.76	14.97	14.93	15.50
3GPP Rel 6	HSUPA Subtest-3	22.54	22.73	22.81	23.50	15.77	15.97	15.95	16.50
3GPP Rel 6	HSUPA Subtest-4	21.06	21.22	21.28	22.50	14.26	14.51	14.47	15.50
3GPP Rel 6	HSUPA Subtest-5	22.50	22.70	22.80	24.50	15.76	15.94	15.94	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.47	21.58	21.66	22.50	14.69	14.76	14.77	15.50

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
Tx Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1557	1658	1758		1557	1658	1758	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.28	23.37	23.23	24.50	17.07	17.19	16.98	18.00
3GPP Rel 99	RMC 12.2Kbps	23.32	23.42	23.26	24.50	17.14	17.20	17.02	18.00
3GPP Rel 6	HSDPA Subtest-1	22.66	22.68	22.65	24.50	16.13	16.15	16.13	18.00
3GPP Rel 6	HSDPA Subtest-2	22.66	22.55	22.58	24.50	16.06	16.19	16.26	18.00
3GPP Rel 6	HSDPA Subtest-3	22.18	22.07	22.14	24.00	15.57	15.71	15.63	17.50
3GPP Rel 6	HSDPA Subtest-4	22.13	22.05	22.14	24.00	15.00	15.64	15.56	17.50
3GPP Rel 8	DCHSDPA Subtest-1	22.62	22.67	22.63	24.50	16.16	16.22	16.13	18.00
3GPP Rel 8	DCHSDPA Subtest-2	22.56	22.66	22.52	24.50	16.17	16.24	16.10	18.00
3GPP Rel 8	DCHSDPA Subtest-3	22.12	22.16	22.07	24.00	15.69	15.66	15.69	17.50
3GPP Rel 8	DCHSDPA Subtest-4	22.02	22.15	22.03	24.00	15.76	15.53	15.68	17.50
3GPP Rel 6	HSUPA Subtest-1	22.52	22.54	22.51	24.50	16.05	16.10	16.11	18.00
3GPP Rel 6	HSUPA Subtest-2	21.37	21.44	21.31	22.50	15.11	15.23	15.03	16.00
3GPP Rel 6	HSUPA Subtest-3	22.39	22.48	22.36	23.50	16.18	16.23	16.00	17.00
3GPP Rel 6	HSUPA Subtest-4	20.89	20.93	20.90	22.50	14.63	14.69	14.54	16.00
3GPP Rel 6	HSUPA Subtest-5	22.55	22.56	22.53	24.50	16.13	16.13	16.08	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.21	21.29	21.25	22.50	14.94	15.12	14.96	16.00

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	23.66	23.65	23.56	24.50	21.34	21.31	21.31	22.50
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.58	24.50	21.37	21.38	21.36	22.50
3GPP Rel 6	HSDPA Subtest-1	22.52	22.54	22.51	24.50	20.59	20.59	20.53	22.50
3GPP Rel 6	HSDPA Subtest-2	22.55	22.52	22.51	24.50	20.65	20.59	20.59	22.50
3GPP Rel 6	HSDPA Subtest-3	22.11	22.05	22.03	23.50	20.20	17.17	20.08	21.50
3GPP Rel 6	HSDPA Subtest-4	22.08	22.01	22.02	23.50	20.17	20.13	20.09	21.50
3GPP Rel 6	DCHSDPA Subtest-1	22.67	22.65	22.57	24.50	20.69	20.62	20.63	22.50
3GPP Rel 6	DCHSDPA Subtest-2	22.65	22.57	22.65	24.50	20.74	20.75	20.64	22.50
3GPP Rel 6	DCHSDPA Subtest-3	22.05	21.90	21.95	23.50	20.14	20.13	19.96	21.50
3GPP Rel 6	DCHSDPA Subtest-4	22.02	21.90	21.96	23.50	19.97	19.97	19.97	21.50
3GPP Rel 6	HSPA Subtest-1	22.60	22.59	22.57	24.50	20.58	20.59	20.55	22.50
3GPP Rel 6	HSPA Subtest-2	21.49	21.50	21.44	22.50	19.10	19.11	19.06	20.50
3GPP Rel 6	HSPA Subtest-3	22.38	22.37	22.46	23.50	18.84	18.85	18.86	20.50
3GPP Rel 6	HSPA Subtest-4	20.98	20.98	20.96	22.50	18.64	18.62	18.58	20.50
3GPP Rel 6	HSPA Subtest-5	22.57	22.58	22.55	24.50	20.68	20.71	20.64	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.35	21.38	21.35	22.50	19.89	19.89	19.93	20.50



Band 2_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.19	22.21	22.22	23.5	0		
20	QPSK	1	49	22.31	22.39	22.28				
20	QPSK	1	99	22.30	22.23	22.23				
20	QPSK	50	0	21.66	21.68	21.70	23	0.5		
20	QPSK	50	24	21.68	21.79	21.72				
20	QPSK	50	50	21.65	21.67	21.67				
20	QPSK	100	0	21.69	21.76	21.70	23	0.5		
20	16QAM	1	0	21.78	21.84	21.85				
20	16QAM	1	49	21.88	21.98	22.07				
20	16QAM	1	99	21.68	21.83	21.96	22	1.5		
20	16QAM	50	0	20.53	20.66	20.83				
20	16QAM	50	24	20.58	20.70	20.85				
20	16QAM	50	50	20.52	20.70	20.81	22	1.5		
20	16QAM	100	0	20.56	20.69	20.81				
20	64QAM	1	0	20.66	20.75	20.79				
20	64QAM	1	49	20.73	20.88	20.99	22	1.5		
20	64QAM	1	99	20.59	20.80	20.95				
20	64QAM	50	0	19.53	19.65	19.82				
20	64QAM	50	24	19.57	19.70	19.82	21	2.5		
20	64QAM	50	50	19.52	19.68	19.78				
20	64QAM	100	0	19.55	19.71	19.80				
Channel				18675	18900	19125	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1900.5 <th colspan="4"></th>				
15	QPSK	1	0	21.94	22.13	22.26	23.5	0		
15	QPSK	1	37	22.01	22.29	22.35				
15	QPSK	1	74	21.93	22.23	22.33				
15	QPSK	36	0	21.48	21.69	21.86	23	0.5		
15	QPSK	36	20	21.53	21.72	21.82				
15	QPSK	36	39	21.53	21.74	21.78				
15	QPSK	75	0	21.51	21.72	21.85	23	0.5		
15	16QAM	1	0	21.73	21.91	21.96				
15	16QAM	1	37	21.83	22.04	22.06				
15	16QAM	1	74	21.75	21.95	21.98	22	1.5		
15	16QAM	36	0	20.54	20.70	20.86				
15	16QAM	36	20	20.54	20.71	20.83				
15	16QAM	36	39	20.57	20.73	20.78	22	1.5		
15	16QAM	75	0	20.54	20.74	20.85				
15	64QAM	1	0	20.67	20.83	20.94				
15	64QAM	1	37	20.74	20.97	21.07	22	1.5		
15	64QAM	1	74	20.62	20.86	20.92				
15	64QAM	36	0	19.56	19.73	19.87				
15	64QAM	36	20	19.54	19.71	19.81	21	2.5		
15	64QAM	36	39	19.59	19.76	19.77				
15	64QAM	75	0	19.53	19.72	19.83				
Channel				18690	18900	19150	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905 <th colspan="4"></th>				
10	QPSK	1	0	21.86	22.19	22.29	23.5	0		
10	QPSK	1	25	21.96	22.23	22.27				
10	QPSK	1	49	21.97	22.23	22.29				
10	QPSK	25	0	21.48	21.72	21.87	23	0.5		
10	QPSK	25	12	21.50	21.72	21.81				
10	QPSK	25	25	21.52	21.73	21.83				
10	QPSK	50	0	21.55	21.73	21.86	23	0.5		
10	16QAM	1	0	21.80	21.94	22.06				
10	16QAM	1	25	21.81	21.99	22.01				
10	16QAM	1	49	21.77	21.91	22.01	22	1.5		
10	16QAM	25	0	20.53	20.73	20.88				
10	16QAM	25	12	20.56	20.71	20.80				
10	16QAM	25	25	20.54	20.74	20.84	22	1.5		
10	16QAM	50	0	20.55	20.71	20.86				
10	64QAM	1	0	20.75	20.85	21.07				
10	64QAM	1	25	20.73	20.91	21.02	22	1.5		
10	64QAM	1	49	20.70	20.88	21.05				
10	64QAM	25	0	19.51	19.69	19.87				
10	64QAM	25	12	19.54	19.69	19.78	21	2.5		
10	64QAM	25	25	19.55	19.71	19.82				
10	64QAM	50	0	19.53	19.67	19.81				
Channel				18625	18800	19175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5 <th colspan="4"></th>				
5	QPSK	1	0	21.93	22.19	22.23	23.5	0		
5	QPSK	1	12	21.96	22.31	22.33				
5	QPSK	1	24	21.99	22.22	22.27				
5	QPSK	12	0	21.50	21.74	21.78	23	0.5		
5	QPSK	12	7	21.49	21.73	21.81				
5	QPSK	12	13	21.51	21.73	21.80				
5	QPSK	25	0	21.54	21.76	21.83	23	0.5		
5	16QAM	1	0	21.74	21.91	21.95				
5	16QAM	1	12	21.78	22.03	21.92				
5	16QAM	1	24	21.72	21.95	21.96	22	1.5		
5	16QAM	12	0	20.54	20.73	20.78				
5	16QAM	12	7	20.52	20.70	20.78				
5	16QAM	12	13	20.54	20.73	20.80	22	1.5		
5	16QAM	25	0	20.55	20.74	20.81				
5	64QAM	1	0	20.71	20.85	21.06				
5	64QAM	1	12	20.70	20.95	21.00	22	1.5		
5	64QAM	1	24	20.77	20.88	20.98				
5	64QAM	12	0	19.58	19.77	19.81				
5	64QAM	12	7	19.57	19.75	19.82	21	2.5		
5	64QAM	12	13	19.57	19.75	19.84				
5	64QAM	25	0	19.54	19.69	19.80				
Channel				18615	18900	19185	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.5	1880	1908.5 <th colspan="4"></th>				
3	QPSK	1	0	21.90	22.19	22.26	23.5	0		
3	QPSK	1	8	21.90	22.20	22.25				
3	QPSK	1	14	21.95	22.18	22.31				
3	QPSK	8	0	21.46	21.69	21.79	23	0.5		
3	QPSK	8	4	21.43	21.67	21.75				
3	QPSK	8	7	21.46	21.69	21.75				
3	QPSK	15	0	21.45	21.64	21.72	23	0.5		
3	16QAM	1	0	21.71	21.83	21.94				
3	16QAM	1	8	21.65	21.86	21.83				
3	16QAM	1	14	21.71	21.83	21.93	22	1.5		
3	16QAM	8	0	20.53	20.72	20.83				
3	16QAM	8	4	20.47	20.70	20.82				
3	16QAM	8	7	20.50	20.70	20.79	22	1.5		
3	16QAM	15	0	20.50	20.67	20.76				
3	64QAM	1	0	20.62	20.86	20.91				
3	64QAM	1	8	20.60	20.82	20.88	22	1.5		
3	64QAM	1	14	20.63	20.84	20.93				
3	64QAM	8	0	19.54	19.71	19.80				
3	64QAM	8	4	19.48	19.71	19.80	21	2.5		
3	64QAM	8	7	19.49	19.70	19.79				
3	64QAM	15	0	19.46	19.64	19.76				
Channel				18607	18900	19193	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3 <th colspan="4"></th>				
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0		
1.4	QPSK	1	3	22.00	22.20	22.32				
1.4	QPSK	1	5	21.95	22.19	22.30				
1.4	QPSK	3	0	22.00	22.18	22.27	23	0.5		
1.4	QPSK	3	1	21.96	22.21	22.29				
1.4	QPSK	3	3	22.05	22.21	22.30				
1.4	QPSK	6	0	21.44	21.68	21.77	23	0.5		
1.4	16QAM	1	0	21.65	21.87	21.84				
1.4	16QAM	1	3	21.68	21.89	21.94				
1.4	16QAM	1	5	21.61	21.86	21.90	23	0.5		
1.4	16QAM	3	0	21.46	21.78	21.79				
1.4	16QAM	3	1	21.46	21.66	21.80				
1.4	16QAM	3	3	21.51	21.69	21.78	22	1.5		
1.4	16QAM	6	0	20.54	20.73	20.84				
1.4	64QAM	1	0	20.61	20.80	20.85				
1.4	64QAM	1	3	20.63	20.84	20.89	22	1.5		
1.4	64QAM	1	5	20.65	20.86	20.92				
1.4	64QAM	3	0	20.55	20.75	20.86				
1.4	64QAM	3	1	20.56	20.76	20.88	22	1.5		
1.4	64QAM	3	3	20.57	20.78	20.84				
1.4	64QAM	6	0	19.44	19.62	19.75				

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	16.12	16.15	16.08	17	0		
20	QPSK	1	49	16.35	16.39	16.37				
20	QPSK	1	99	16.31	16.33	16.28				
20	QPSK	50	0	16.26	16.27	16.24				
20	QPSK	50	24	16.33	16.35	16.34	17	0		
20	QPSK	50	50	16.31	16.34	16.33				
20	QPSK	100	0	16.28	16.32	16.27				
20	16QAM	1	0	16.09	16.08	16.03				
20	16QAM	1	49	16.34	16.36	16.32	17	0		
20	16QAM	1	99	16.30	16.27	16.25				
20	16QAM	50	0	16.23	16.25	16.23				
20	16QAM	50	24	16.24	16.33	16.32				
20	16QAM	50	50	16.27	16.32	16.28	17	0		
20	16QAM	100	0	16.26	16.31	16.20				
20	64QAM	1	0	16.05	16.11	16.03				
20	64QAM	1	49	16.30	16.38	16.34				
20	64QAM	1	99	16.25	16.30	16.27	17	0		
20	64QAM	50	0	16.22	16.23	16.20				
20	64QAM	50	24	16.24	16.33	16.30				
20	64QAM	50	50	16.26	16.31	16.28				
20	64QAM	100	0	16.24	16.28	16.22	17	0		
Channel				20025	20175	20325				
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	16.05	16.13	16.06	17	0		
15	QPSK	1	37	16.34	16.36	16.30				
15	QPSK	1	74	16.29	16.28	16.26				
15	QPSK	36	0	16.21	16.24	16.19				
15	QPSK	36	20	16.30	16.33	16.33	17	0		
15	QPSK	36	39	16.26	16.31	16.30				
15	QPSK	75	0	16.27	16.25	16.26				
15	16QAM	1	0	16.06	16.03	15.98				
15	16QAM	1	37	16.18	16.34	16.29	17	0		
15	16QAM	1	74	16.25	16.21	16.18				
15	16QAM	36	0	16.20	16.21	16.18				
15	16QAM	36	20	16.22	16.26	16.26				
15	16QAM	36	39	16.22	16.27	16.21	17	0		
15	16QAM	75	0	16.23	16.25	16.19				
15	64QAM	1	0	15.99	16.06	15.96				
15	64QAM	1	37	16.28	16.37	16.30				
15	64QAM	1	74	16.27	16.34	16.21	17	0		
15	64QAM	36	0	16.16	16.17	16.16				
15	64QAM	36	20	16.23	16.26	16.24				
15	64QAM	36	39	16.21	16.30	16.25				
15	64QAM	75	0	16.22	16.24	16.21	17	0		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	16.10	16.14	16.04	17	0		
10	QPSK	1	25	16.29	16.32	16.36				
10	QPSK	1	49	16.30	16.31	16.24				
10	QPSK	25	0	16.19	16.24	16.19				
10	QPSK	25	12	16.30	16.31	16.30	17	0		
10	QPSK	25	25	16.29	16.32	16.32				
10	QPSK	50	0	16.27	16.31	16.20				
10	16QAM	1	0	16.03	16.04	16.00				
10	16QAM	1	25	16.30	16.29	16.25	17	0		
10	16QAM	1	49	16.28	16.25	16.19				
10	16QAM	25	0	16.21	16.24	16.16				
10	16QAM	25	12	16.19	16.29	16.30				
10	16QAM	25	25	16.20	16.27	16.24	17	0		
10	16QAM	50	0	16.21	16.28	16.19				
10	64QAM	1	0	16.03	16.09	16.01				
10	64QAM	1	25	16.29	16.32	16.31				
10	64QAM	1	49	16.24	16.23	16.22	17	0		
10	64QAM	25	0	16.16	16.16	16.15				
10	64QAM	25	12	16.17	16.27	16.23				
10	64QAM	25	25	16.21	16.26	16.26				
10	64QAM	50	0	16.22	16.27	16.21	17	0		
Channel				19975	20175	20375				
Frequency (MHz)				1712.5	1732.5	1753.5				
5	QPSK	1	0	16.11	16.10	16.07	17	0		
5	QPSK	1	12	16.29	16.34	16.30				
5	QPSK	1	24	16.27	16.28	16.25				
5	QPSK	12	0	16.20	16.23	16.23				
5	QPSK	12	7	16.26	16.29	16.29	17	0		
5	QPSK	12	13	16.25	16.30	16.31				
5	QPSK	25	0	16.27	16.30	16.23				
5	16QAM	1	0	16.07	16.01	15.98				
5	16QAM	1	12	16.27	16.34	16.30	17	0		
5	16QAM	1	24	16.27	16.25	16.24				
5	16QAM	12	0	16.20	16.20	16.17				
5	16QAM	12	7	16.19	16.30	16.28				
5	16QAM	12	13	16.24	16.30	16.25	17	0		
5	16QAM	25	0	16.22	16.29	16.16				
5	64QAM	1	0	16.01	16.06	16.00				
5	64QAM	1	12	16.27	16.31	16.27				
5	64QAM	1	24	16.26	16.25	16.23	17	0		
5	64QAM	12	0	16.16	16.17	16.16				
5	64QAM	12	7	16.20	16.30	16.25				
5	64QAM	12	13	16.22	16.29	16.24				
5	64QAM	25	0	16.19	16.27	16.15	17	0		
Channel				19965	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	16.09	16.14	16.05	17	0		
3	QPSK	1	8	16.28	16.36	16.36				
3	QPSK	1	14	16.29	16.30	16.26				
3	QPSK	8	0	16.22	16.20	16.20				
3	QPSK	8	4	16.32	16.29	16.29	17	0		
3	QPSK	8	7	16.29	16.32	16.26				
3	QPSK	15	0	16.22	16.26	16.24				
3	16QAM	1	0	16.05	16.03	15.98				
3	16QAM	1	8	16.27	16.35	16.29	17	0		
3	16QAM	1	14	16.26	16.22	16.24				
3	16QAM	8	0	16.22	16.23	16.17				
3	16QAM	8	4	16.19	16.30	16.28				
3	16QAM	8	7	16.25	16.27	16.23	17	0		
3	16QAM	15	0	16.24	16.30	16.16				
3	64QAM	1	0	15.99	16.07	16.01				
3	64QAM	1	8	16.28	16.35	16.30				
3	64QAM	1	14	16.23	16.28	16.25	17	0		
3	64QAM	8	0	16.21	16.18	16.19				
3	64QAM	8	4	16.17	16.31	16.26				
3	64QAM	8	7	16.22	16.24	16.24				
3	64QAM	15	0	16.23	16.25	16.16				

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	23	0		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.79	21.81	21.78	23	0		
10	QPSK	1	25	21.83	21.89	21.84				
10	QPSK	1	49	21.78	21.84	21.81				
10	QPSK	25	0	21.76	21.82	21.75				
10	QPSK	25	12	21.80	21.86	21.80				
10	QPSK	25	25	21.80	21.81	21.79	23	0		
10	QPSK	50	0	21.83	21.85	21.83				
10	16QAM	1	0	21.74	21.77	21.77				
10	16QAM	1	25	21.76	21.81	21.77				
10	16QAM	1	49	21.71	21.81	21.79				
10	16QAM	25	0	20.69	20.81	20.69	22.5	0.5		
10	16QAM	25	12	20.82	20.79	20.76				
10	16QAM	25	25	20.73	20.80	20.75				
10	16QAM	50	0	20.76	20.82	20.78				
10	16QAM	1	0	20.73	20.72	20.74				
10	16QAM	1	25	20.69	20.85	20.76	22.5	0.5		
10	16QAM	1	49	20.64	20.76	20.72				
10	16QAM	25	0	19.65	19.74	19.66				
10	16QAM	25	12	19.79	19.76	19.73				
10	16QAM	25	25	19.70	19.78	19.71				
10	16QAM	50	0	19.70	19.80	19.75	21.5	1.5		
Channel				20450	20525	20600				
Frequency (MHz)				829.5	836.5	846.5				
5	QPSK	1	0	21.75	21.77	21.73	23	0		
5	QPSK	1	12	21.76	21.88	21.81				
5	QPSK	1	24	21.74	21.78	21.79				
5	QPSK	12	0	21.69	21.77	21.72				
5	QPSK	12	7	21.76	21.82	21.79				
5	QPSK	12	13	21.78	21.79	21.76	23	0		
5	QPSK	25	0	21.80	21.78	21.76				
5	16QAM	1	0	21.71	21.73	21.75				
5	16QAM	1	12	21.72	21.84	21.79				
5	16QAM	1	24	21.67	21.80	21.72				
5	16QAM	12	0	20.85	20.80	20.84	22.5	0.5		
5	16QAM	12	7	20.81	20.76	20.72				
5	16QAM	12	13	20.67	20.73	20.72				
5	16QAM	25	0	20.71	20.76	20.71				
5	16QAM	1	0	20.68	20.70	20.72				
5	16QAM	1	12	20.63	20.62	20.75	22.5	0.5		
5	16QAM	1	24	20.60	20.71	20.66				
5	16QAM	12	0	19.60	19.72	19.65				
5	16QAM	12	7	19.73	19.69	19.62				
5	16QAM	12	13	19.63	19.77	19.78				
5	16QAM	25	0	19.67	19.77	19.68	21.5	1.5		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.78	21.75	21.77	23	0		
3	QPSK	1	8	21.78	21.85	21.81				
3	QPSK	1	14	21.76	21.78	21.78				
3	QPSK	8	0	21.75	21.77	21.73				
3	QPSK	8	4	21.82	21.82	21.73				
3	QPSK	8	7	21.76	21.74	21.76	23	0		
3	QPSK	15	0	21.76	21.83	21.76				
3	16QAM	1	0	21.73	21.71	21.73				
3	16QAM	1	8	21.75	21.84	21.74				
3	16QAM	1	14	21.64	21.77	21.78				
3	16QAM	8	0	20.68	20.75	20.66	22.5	0.5		
3	16QAM	8	4	20.77	20.76	20.70				
3	16QAM	8	7	20.71	20.75	20.70				
3	16QAM	15	0	20.75	20.79	20.75				
3	16QAM	1	0	20.68	20.70	20.71				
3	16QAM	1	8	20.62	20.83	20.75	22.5	0.5		
3	16QAM	1	14	20.62	20.73	20.87				
3	16QAM	8	0	19.63	19.73	19.64				
3	16QAM	8	4	19.76	19.75	19.70				
3	16QAM	8	7	19.69	19.76	19.66				
3	16QAM	15	0	19.68	19.74	19.67	21.5	1.5		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.76	21.77	21.77	23	0		
1.4	QPSK	1	3	21.79	21.82	21.83				
1.4	QPSK	1	5	21.71	21.83	21.75				
1.4	QPSK	3	0	21.69	21.80	21.69				
1.4	QPSK	3	1	21.76	21.82	21.73				
1.4	QPSK	3	3	21.76	21.78	21.74	23	0		
1.4	QPSK	6	0	21.81	21.78	21.76				
1.4	16QAM	1	0	21.73	21.76	21.74				
1.4	16QAM	1	3	21.70	21.80	21.70				
1.4	16QAM	1	5	21.65	21.77	21.75				
1.4	16QAM	3	0	21.69	21.72	21.73	23	0		
1.4	16QAM	3	1	21.63	21.76	21.64				
1.4	16QAM	3	3	21.59	21.73	21.69				
1.4	16QAM	6	0	20.71	20.79	20.75				
1.4	16QAM	1	0	20.68	20.69	20.71				
1.4	16QAM	1	3	20.68	20.84	20.74	22.5	0.5		
1.4	16QAM	1	5	20.63	20.72	20.66				
1.4	16QAM	3	0	20.67	20.63	20.64				
1.4	16QAM	3	1	20.63	20.80	20.73				
1.4	16QAM	3	3	20.59	20.69	20.62				
1.4	16QAM	6	0	19.63	19.74	19.70	21.5	1.5		

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	23.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.65	22.66	22.56	23.5	0		
20	QPSK	1	49	22.69	22.78	22.62				
20	QPSK	1	99	22.62	22.57	22.58				
20	QPSK	50	0	22.23	22.17	22.11				
20	QPSK	50	24	22.25	22.27	22.12				
20	QPSK	50	50	22.18	22.06	22.07	23	0.5		
20	QPSK	100	0	22.19	22.40	22.09				
20	16QAM	1	0	22.18	22.22	22.17				
20	16QAM	1	49	22.24	22.33	22.31				
20	16QAM	1	99	22.19	22.36	22.25				
20	16QAM	50	0	20.97	21.01	20.99	22	1.5		
20	16QAM	50	24	21.01	21.07	21.04				
20	16QAM	50	50	20.96	21.04	21.13				
20	16QAM	100	0	20.99	21.04	21.05				
20	16QAM	1	0	21.14	21.09	21.07				
20	16QAM	1	49	21.15	21.22	21.20	22	1.5		
20	16QAM	1	99	21.10	21.20	21.39				
20	16QAM	50	0	19.98	20.01	19.98				
20	16QAM	50	24	20.02	20.05	20.03				
20	16QAM	50	50	19.96	20.06	20.11				
20	16QAM	100	0	19.97	20.05	20.05	21	2.5		
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				

Band 7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	21.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.97	21.06	21.04			
20	QPSK	1	49	21.03	21.20	21.15	21.5	0	
20	QPSK	1	99	21.01	21.02	21.14			
20	QPSK	50	0	20.54	20.72	20.46			
20	QPSK	50	24	20.76	20.79	20.85	21.5	0	
20	QPSK	50	50	20.49	20.67	20.44			
20	QPSK	100	0	20.51	20.99	20.47			
20	16QAM	1	0	20.61	20.57	20.59	21.5	0	
20	16QAM	1	49	20.72	20.65	20.72			
20	16QAM	1	99	20.66	20.57	20.63			
20	16QAM	50	0	20.63	20.61	20.57	21	0.5	
20	16QAM	50	24	20.71	20.66	20.62			
20	16QAM	50	50	20.61	20.55	20.56			
20	16QAM	100	0	20.61	20.49	20.60	21	0.5	
20	64QAM	1	0	20.68	20.69	20.61			
20	64QAM	1	49	20.71	20.69	20.77			
20	64QAM	1	99	20.70	20.70	20.69	20	1.5	
20	64QAM	50	0	19.67	19.59	19.54			
20	64QAM	50	24	19.71	19.60	19.68			
20	64QAM	50	50	19.65	19.53	19.58	20	1.5	
20	64QAM	100	0	19.63	19.56	19.61			
Channel				20905	21100	21375	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	21.5	0	
16	QPSK	1	0	20.89	21.02	21.01			
16	QPSK	1	37	21.12	21.17	21.10	21.5	0	
15	QPSK	1	74	21.03	21.07	21.10			
15	QPSK	36	0	20.56	20.65	20.53	21.5	0	
15	QPSK	36	20	20.53	20.72	20.50			
15	QPSK	36	39	20.49	20.64	20.47			
15	QPSK	75	0	20.50	20.66	20.43	21.5	0	
15	16QAM	1	0	20.70	20.56	20.67			
15	16QAM	1	37	20.62	20.71	20.70	21.5	0	
15	16QAM	1	74	20.69	20.65	20.66			
15	16QAM	36	0	20.68	20.56	20.61	21	0.5	
15	16QAM	36	20	20.63	20.63	20.62			
15	16QAM	36	39	20.69	20.60	20.55			
15	16QAM	75	0	20.64	20.53	20.55	21	0.5	
15	64QAM	1	0	20.62	20.61	20.60			
15	64QAM	1	37	20.73	20.72	20.72	21	0.5	
15	64QAM	1	74	20.70	20.73	20.74			
15	64QAM	36	0	19.64	19.61	19.54	20	1.5	
15	64QAM	36	20	19.69	19.62	19.68			
15	64QAM	36	39	19.59	19.55	19.60			
15	64QAM	75	0	19.57	19.52	19.55	Time-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	21.5	0	
10	QPSK	1	0	20.89	21.07	20.98			
10	QPSK	1	25	21.05	21.14	21.10	21.5	0	
10	QPSK	1	49	21.04	21.10	21.15			
10	QPSK	25	0	20.48	20.73	20.50	21.5	0	
10	QPSK	25	12	20.54	20.70	20.46			
10	QPSK	25	25	20.45	20.68	20.48			
10	QPSK	50	0	20.45	20.67	20.54	21.5	0	
10	16QAM	1	0	20.70	20.59	20.58			
10	16QAM	1	25	20.78	20.63	20.75	21.5	0	
10	16QAM	1	49	20.68	20.57	20.61			
10	16QAM	25	0	20.71	20.59	20.60	21	0.5	
10	16QAM	25	12	20.65	20.67	20.58			
10	16QAM	25	25	20.69	20.65	20.54			
10	16QAM	50	0	20.57	20.55	20.56	21	0.5	
10	64QAM	1	0	20.65	20.70	20.65			
10	64QAM	1	25	20.79	20.70	20.71	21	0.5	
10	64QAM	1	49	20.73	20.72	20.69			
10	64QAM	25	0	19.62	19.56	19.53	20	1.5	
10	64QAM	25	12	19.65	19.61	19.68			
10	64QAM	25	25	19.64	19.54	19.65			
10	64QAM	50	0	19.66	19.58	19.54	Time-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2533	2562.5	21.5	0	
5	QPSK	1	0	20.91	21.00	21.03			
5	QPSK	1	12	21.12	21.19	21.17	21.5	0	
5	QPSK	1	24	20.95	21.10	21.11			
5	QPSK	12	0	20.54	20.69	20.47	21.5	0	
5	QPSK	12	7	20.62	20.72	20.48			
5	QPSK	12	13	20.42	20.59	20.42			
5	QPSK	25	0	20.52	20.67	20.45	21.5	0	
5	16QAM	1	0	20.67	20.55	20.58			
5	16QAM	1	12	20.63	20.71	20.72	21.5	0	
5	16QAM	1	24	20.68	20.59	20.71			
5	16QAM	12	0	20.60	20.61	20.64	21	0.5	
5	16QAM	12	7	20.67	20.67	20.67			
5	16QAM	12	13	20.63	20.64	20.60			
5	16QAM	25	0	20.64	20.57	20.64	21	0.5	
5	64QAM	1	0	20.72	20.65	20.59			
5	64QAM	1	12	20.74	20.72	20.69	21	0.5	
5	64QAM	1	24	20.76	20.70	20.75			
5	64QAM	12	0	19.68	19.54	19.61	20	1.5	
5	64QAM	12	7	19.69	19.61	19.66			
5	64QAM	12	13	19.67	19.54	19.69			
5	64QAM	25	0	19.59	19.50	19.52	Time-up limit (dBm)	MPR (dB)	

Band 12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.52	23.52	23.54			
10	QPSK	1	25	23.58	23.62	23.56	23.5	1	
10	QPSK	1	49	23.54	23.56	23.53			
10	QPSK	25	0	22.07	22.10	22.08			
10	QPSK	25	12	22.10	22.12	22.07	23.5	1	
10	QPSK	25	25	22.07	22.08	22.07			
10	QPSK	50	0	22.08	22.11	22.09			
10	16QAM	1	0	22.05	22.06	22.02	23.5	1	
10	16QAM	1	25	22.06	22.11	22.06			
10	16QAM	1	49	22.14	22.11	22.15			
10	16QAM	25	0	20.75	20.79	20.77	22.5	2	
10	16QAM	25	12	20.81	20.80	20.81			
10	16QAM	25	25	20.81	20.79	20.78			
10	16QAM	50	0	20.80	20.78	20.77	22.5	2	
10	64QAM	1	0	20.90	20.88	20.93			
10	64QAM	1	25	20.97	20.98	20.93			
10	64QAM	1	49	21.00	20.98	20.96	21.5	3	
10	64QAM	25	0	19.74	19.78	19.74			
10	64QAM	25	12	19.81	19.81	19.78			
10	64QAM	25	25	19.79	19.76	19.76	Time-up limit (dBm)	MPR (dB)	
10	64QAM	50	0	19.78	19.74	19.77			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	24.5	0	
5	QPSK	1	0	23.37	23.32	23.28			
5	QPSK	1	12	23.40	23.36	23.36	23.5	1	
5	QPSK	1	24	23.35	23.34	23.36			
5	QPSK	12	0	21.84	21.81	21.79	23.5	1	
5	QPSK	12	7	21.87	21.80	21.80			
5	QPSK	12	13	21.85	21.81	21.81			
5	QPSK	25	0	21.85	21.82	21.82	23.5	1	
5	16QAM	1	0	22.08	22.10	22.06			
5	16QAM	1	12	22.13	22.12	22.13			
5	16QAM	1	24	22.08	22.08	22.05	22.5	2	
5	16QAM	12	0	20.82	20.84	20.82			
5	16QAM	12	7	20.83	20.80	20.78			
5	16QAM	12	13	20.83	20.79	20.76	22.5	2	
5	16QAM	25	0	20.82	20.82	20.78			
5	16QAM	25	0	20.94	20.90	20.90			
5	16QAM	1	12	20.93	20.98	20.96	21.5	3	
5	16QAM	1	24	20.97	20.95	20.97			
5	64QAM	12	0	19.85	19.87	19.84			
5	64QAM	12	7	19.83	19.82	19.80	Time-up limit (dBm)	MPR (dB)	
5	64QAM	12	13	19.84	19.83	19.81			
5	64QAM	25	0	19.80	19.78	19.76			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	20.35	23.28	23.28	23.5	1	
3	QPSK	1	8	23.30	23.24	23.30			
3	QPSK	1	14	23.32	23.27	23.36			
3	QPSK	8	0	21.84	21.76	21.80	23.5	1	
3	QPSK	8	4	21.81	21.73	21.78			
3	QPSK	8	7	21.82	21.76	21.77			
3	QPSK	15	0	21.83	21.73	21.77	23.5	1	
3	16QAM	1	0	22.06	22.00	22.01			
3	16QAM	1	8	22.02	21.93	21.98			
3	16QAM	1	14	22.03	21.98	22.06	22.5	2	
3	16QAM	8	0	20.85	20.84	20.83			
3	16QAM	8	4	20.86	20.80	20.82			
3	16QAM	8	7	20.85	20.82	20.76	22.5	2	
3	16QAM	15	0	20.83	20.82	20.77			
3	64QAM	1	0	20.85	20.95	20.88			
3	64QAM	1	8	20.96	21.00	20.89	21.5	3	
3	64QAM	1	14	20.89	20.92	20.90			
3	64QAM	8	0	19.82	19.83	19.82			
3	64QAM	8	4	19.85	19.81	19.77	Time-up limit (dBm)	MPR (dB)	
3	64QAM	8	7	19.85	19.81	19.76			
3	64QAM	15	0	19.78	19.77	19.75			
Channel				23072	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.39	23.30	23.36	23.5	1	
1.4	QPSK	1	3	23.37	23.28	23.33			
1.4	QPSK	1	5	23.37	23.28	23.26			
1.4	QPSK	3	0	23.36	23.26	23.32	23.5	1	
1.4	QPSK	3	1	23.34	23.25	23.33			
1.4	QPSK	3	3	23.35	23.27	23.32			
1.4	QPSK	6	0	21.83	21.75	21.79	23.5	1	
1.4	16QAM	1	0	22.10	22.00	22.01			
1.4	16QAM	1	3	22.03	21.95	22.03			
1.4	16QAM	1	5	22.09	21.98	22.02	22.5	2	
1.4	16QAM	3	0	21.84	21.76	21.81			
1.4	16QAM	3	1	21.82	21.73	21.81			
1.4	16QAM	3	3	21.80	21.72	21.81	22.5	2	
1.4	16QAM	6	0	20.87	20.85	20.83			
1.4	64QAM	1	0	20.93	20.91	20.93			
1.4	64QAM	1	3	20.87	20.88	20.89	21.5	3	
1.4	64QAM	1	5	20.95	20.86	20.93			
1.4	64QAM	3	0	20.87	20.86	20.81			
1.4	64QAM	3	1	20.85	20.87	20.84	Time-up limit (dBm)	MPR (dB)	
1.4	64QAM	3	3	20.87	20.85	20.84			
1.4	64QAM	6	0	19.79	19.76	19.74			

Band 13_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.46		24.5	0	
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95				
10	QPSK	25	12		21.98		23.5	1	
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35		23.5	1	
10	16QAM	1	49		22.24				
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95		22.5	2	
10	16QAM	25	25		20.91				
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16		22.5	2	
10	64QAM	1	49		21.18				
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98		21.5	3	
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Turnup limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.19	23.22	23.28	24.5	0	
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25			
5	QPSK	12	0	21.74	21.71	21.78			
5	QPSK	12	7	21.75	21.70	21.74	23.5	1	
5	QPSK	12	13	21.74	21.75	21.74			
5	QPSK	25	0	21.78	21.74	21.77			
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.10	23.5	1	
5	16QAM	1	24	22.06	22.03	22.02			
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74			
5	16QAM	12	13	20.73	20.73	20.74	22.5	2	
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96			
5	64QAM	1	12	21.02	20.97	20.99			
5	64QAM	1	24	20.91	20.91	20.92	21.5	3	
5	64QAM	12	0	19.83	19.82	19.84			
5	64QAM	12	7	19.85	19.83	19.83			
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		22.08		23.5	0	
10	QPSK	1	25		22.15				
10	QPSK	1	49		22.06				
10	QPSK	25	0		21.56				
10	QPSK	25	12		21.58		23.5	0	
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55				
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93		23.5	0	
10	16QAM	1	49		21.82				
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54		22.5	1	
10	16QAM	25	25		20.51				
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79		22.5	1	
10	64QAM	1	49		20.71				
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55		21.5	2	
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52				
Channel				23205	23230	23255	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.77	21.79	21.77	23.5	0	
5	QPSK	1	12	21.90	21.80	21.76			
5	QPSK	1	24	21.74	21.79	21.76			
5	QPSK	12	0	21.78	21.73	21.77			
5	QPSK	12	7	21.78	21.73	21.75	23.5	0	
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77			
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63	23.5	0	
5	16QAM	1	24	21.56	21.60	21.52			
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	1	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97			
5	64QAM	1	24	20.95	20.95	20.99	22.5	1	
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82			
5	64QAM	12	13	19.83	19.85	19.82	21.5	2	
5	64QAM	25	0	19.84	19.81	19.79			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.55	23.60	23.51	24.5	0	
10	QPSK	1	25	23.60	23.62	23.56			
10	QPSK	1	49	23.58	23.60	23.55			
10	QPSK	25	0	22.10	22.11	22.12			
10	QPSK	25	12	22.12	22.15	22.14	23.5	1	
10	QPSK	25	25	22.06	22.08	22.10			
10	QPSK	50	0	22.11	22.13	22.12			
10	16QAM	1	0	22.01	22.07	22.00			
10	16QAM	1	25	22.06	22.18	22.06	23.5	1	
10	16QAM	1	49	22.17	22.16	22.12			
10	16QAM	25	0	20.85	20.82	20.84			
10	16QAM	25	12	20.86	20.85	20.82	22.5	2	
10	16QAM	25	25	20.83	20.80	20.79			
10	16QAM	50	0	20.82	20.84	20.83			
10	64QAM	1	0	20.88	20.92	20.91			
10	64QAM	1	25	20.98	21.06	20.99	22.5	2	
10	64QAM	1	49	21.04	21.07	21.02			
10	64QAM	25	0	19.84	19.79	19.82			
10	64QAM	25	12	19.83	19.83	19.80	21.5	3	
10	64QAM	25	25	19.81	19.81	19.78			
10	64QAM	50	0	19.79	19.81	19.82			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.26	23.31	23.28	24.5	0	
5	QPSK	1	12	23.32	23.43	23.45			
5	QPSK	1	24	23.29	23.33	23.35			
5	QPSK	12	0	21.82	21.81	21.80			
5	QPSK	12	7	21.80	21.81	21.84	23.5	1	
5	QPSK	12	13	21.82	21.81	21.85			
5	QPSK	25	0	21.82	21.82	21.86			
5	16QAM	1	0	22.02	21.99	21.94			
5	16QAM	1	12	22.07	22.15	22.15	23.5	1	
5	16QAM	1	24	22.00	22.07	22.04			
5	16QAM	12	0	20.84	20.84	20.85	22.5	2	
5	16QAM	12	7	20.86	20.84	20.86			
5	16QAM	12	13	20.86	20.82	20.79			
5	16QAM	25	0	20.87	20.85	20.82			
5	64QAM	1	0	20.93	21.00	21.04	22.5	2	
5	64QAM	1	12	20.95	20.99	21.00			
5	64QAM	1	24	21.02	20.98	21.03			
5	64QAM	12	0	19.87	19.86	19.88			
5	64QAM	12	7	19.87	19.86	19.87	21.5	3	
5	64QAM	12	13	19.90	19.85	19.83			
5	64QAM	25	0	19.85	19.81	19.79			

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	23.21	23.23	23.24	24.5	0	
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76	23.5	1	
10	QPSK	25	12	21.76	21.82	21.78			
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78	23.5	1	
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00			
10	16QAM	1	49	22.06	22.10	22.03	22.5	2	
10	16QAM	25	0	20.70	20.77	20.67			
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67	22.5	2	
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85	21.5	3	
10	64QAM	1	49	20.93	20.94	20.87			
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69	21.5	3	
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.78	19.66			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709.5	710	710.5			
5	QPSK	1	0	23.18	23.17	23.16			
5	QPSK	1	12	23.22	23.30	23.29	23.5	1	
5	QPSK	1	24	23.17	23.15	23.26			
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70	23.5	1	
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84	23.5	1	
5	16QAM	1	12	21.94	22.03	22.05			
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71	22.5	2	
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67			
5	16QAM	25	0	20.72	20.69	20.67	22.5	2	
5	64QAM	1	0	20.80	20.88	20.91			
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85	21.5	3	
5	64QAM	12	0	19.72	19.72	19.76			
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71	21.5	3	
5	64QAM	25	0	19.69	19.66	19.66			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709.5	710	710.5			
5	QPSK	1	0	23.18	23.17	23.16			
5	QPSK	1	12	23.22	23.30	23.29	24.5	0	
5	QPSK	1	24	23.17	23.15	23.26			
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70	23.5	1	
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84	22.5	2	
5	16QAM	1	12	21.94	22.03	22.05			
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71	21.5	3	
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67			
5	16QAM	25	0	20.72	20.69	20.67	21.5	3	

Band 66_Ant 0														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)						
Channel				130702	132322	132572								
Frequency (MHz)				1720	1745	1770								
20	QPSK	1	0	23.08	23.05	22.98	24	0						
20	QPSK	1	49	23.14	23.18	23.10								
20	QPSK	1	99	20.99	23.12	23.02								
20	QPSK	50	0	22.09	22.13	22.10	23	1						
20	QPSK	50	24	22.14	22.20	22.14								
20	QPSK	50	50	22.12	22.17	22.09								
20	QPSK	100	0	22.15	22.16	22.12	23	1						
20	16QAM	1	0	21.94	21.98	22.12								
20	16QAM	1	49	22.00	22.01	22.13								
20	16QAM	1	99	21.86	21.97	21.94	22	2						
20	16QAM	50	0	20.71	20.77	20.87								
20	16QAM	50	24	20.71	20.77	20.78								
20	16QAM	50	50	20.70	20.73	20.70	22	2						
20	16QAM	100	0	20.73	20.74	20.79								
20	64QAM	1	0	20.86	20.88	21.00								
20	64QAM	1	49	20.89	20.90	21.03	22	2						
20	64QAM	1	99	20.84	20.86	20.84								
20	64QAM	50	0	19.67	19.73	19.82								
20	64QAM	50	24	19.69	19.73	19.82	21	3						
20	64QAM	50	50	19.68	19.69	19.70								
20	64QAM	100	0	19.72	19.73	19.77								
Channel				132047	132322	132597	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1712.5	1745	1772.5								
15	QPSK	1	0	22.95	22.97	23.03	24	0						
15	QPSK	1	37	23.11	23.06	23.12								
15	QPSK	1	74	22.92	22.92	22.67								
15	QPSK	36	0	21.92	21.96	22.08	23	1						
15	QPSK	36	20	21.90	21.96	22.02								
15	QPSK	36	39	21.90	21.94	21.91								
15	QPSK	75	0	21.89	21.97	21.99	23	1						
15	16QAM	1	0	22.14	22.05	22.12								
15	16QAM	1	37	22.10	22.06	22.04								
15	16QAM	1	74	22.16	22.02	21.93	22	2						
15	16QAM	36	0	20.89	20.94	21.07								
15	16QAM	36	20	20.89	20.95	21.00								
15	16QAM	36	39	20.88	20.94	20.91	22	2						
15	16QAM	75	0	20.89	20.96	21.01								
15	64QAM	1	0	21.02	21.07	21.08								
15	64QAM	1	37	21.08	21.14	21.11	22	2						
15	64QAM	1	74	21.03	21.13	21.04								
15	64QAM	36	0	19.88	19.95	20.09								
15	64QAM	36	20	19.89	19.95	20.03	21	3						
15	64QAM	36	39	19.89	19.95	19.94								
15	64QAM	75	0	19.86	19.95	19.99								
Channel				132022	132322	132622	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1715	1745	1775								
10	QPSK	1	0	23.03	23.07	23.11	24	0						
10	QPSK	1	25	23.02	23.04	22.82								
10	QPSK	1	49	22.99	23.01	22.53								
10	QPSK	25	0	21.97	22.02	22.07	23	1						
10	QPSK	25	12	21.96	22.01	22.00								
10	QPSK	25	25	21.94	22.00	21.98								
10	QPSK	50	0	21.95	22.04	22.02	23	1						
10	16QAM	1	0	22.17	22.06	22.16								
10	16QAM	1	25	22.13	22.04	22.00								
10	16QAM	1	49	22.13	22.13	22.07	22	2						
10	16QAM	25	0	20.95	20.81	20.87								
10	16QAM	25	12	20.95	20.80	20.78								
10	16QAM	25	25	20.92	20.79	20.77	22	2						
10	16QAM	50	0	20.95	20.82	20.91								
10	64QAM	1	0	21.12	20.98	21.02								
10	64QAM	1	25	21.09	21.16	21.11	22	2						
10	64QAM	1	49	21.06	21.17	21.17								
10	64QAM	25	0	19.93	19.99	20.04								
10	64QAM	25	12	19.91	19.99	19.96	21	3						
10	64QAM	25	25	19.90	19.97	19.97								
10	64QAM	50	0	19.91	20.00	20.00								
Channel				131997	132322	132647	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1715.5	1745	1775.5								
5	QPSK	1	0	23.04	23.05	23.02	24	0						
5	QPSK	1	12	23.06	23.04	22.72								
5	QPSK	1	24	23.03	23.02	22.58								
5	QPSK	12	0	22.00	22.06	22.01	23	1						
5	QPSK	12	7	21.98	22.04	22.02								
5	QPSK	12	13	21.98	22.03	21.98								
5	QPSK	25	0	22.01	22.05	22.04	23	1						
5	16QAM	1	0	22.19	22.04	22.01								
5	16QAM	1	12	22.20	22.10	22.07								
5	16QAM	1	24	22.15	22.09	22.01	22	2						
5	16QAM	12	0	20.99	20.84	20.82								
5	16QAM	12	7	20.97	21.03	21.02								
5	16QAM	12	13	20.97	21.03	20.99	22	2						
5	16QAM	25	0	20.98	21.04	21.03								
5	64QAM	1	0	21.12	21.18	21.16								
5	64QAM	1	12	21.14	21.17	21.17	22	2						
5	64QAM	1	24	21.09	21.16	21.20								
5	64QAM	12	0	20.00	20.05	20.06								
5	64QAM	12	7	19.97	20.05	20.06	21	3						
5	64QAM	12	13	19.97	20.05	20.02								
5	64QAM	25	0	19.95	20.01	20.03								
Channel				131987	132322	132657	Time-up limit (dBm)	MPR (dB)						
Frequency (MHz)				1711.5	1745	1778.5								
3	QPSK	1	0	22.96	23.00	22.86	24	0						
3	QPSK	1	8	22.92	22.92	22.62								
3	QPSK	1	14	22.99	22.95	22.59								
3	QPSK	8	0	21.97	22.02	21.99	23	1						
3	QPSK	8	4	21.96	22.02	21.98								
3	QPSK	8	7	21.94	22.03	21.95								
3	QPSK	15	0	21.94	21.97	21.96	23	1						
3	16QAM	1	0	22.11	22.15	22.18								
3	16QAM	1	8	22.17	22.20	22.02								
3	16QAM	1	14	22.14	22.20	22.20	22	2						
3	16QAM	8	0	21.03	21.08	21.04								

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	23.35	23.25	23.25	24	0		
20	QPSK	1	49	23.38	23.39	23.28				
20	QPSK	1	99	23.20	23.18	22.90				
20	QPSK	50	0	22.31	22.23	22.27	23	1		
20	QPSK	50	24	22.33	22.34	22.32				
20	QPSK	50	50	22.27	22.22	22.26				
20	QPSK	100	0	22.29	22.35	22.28	23	1		
20	16QAM	1	0	22.26	22.27	22.33				
20	16QAM	1	49	22.45	22.51	22.51				
20	16QAM	1	99	22.40	22.42	22.38	22	2		
20	16QAM	50	0	21.29	21.36	21.36				
20	16QAM	50	24	21.39	21.36	21.37				
20	16QAM	50	50	21.40	21.39	21.35	22	2		
20	16QAM	100	0	21.33	21.39	21.41				
20	64QAM	1	0	20.99	21.11	21.06				
20	64QAM	1	49	21.16	21.20	21.19	22	2		
20	64QAM	1	99	21.13	21.12	21.08				
20	64QAM	50	0	20.27	20.31	20.32				
20	64QAM	50	24	20.35	20.35	20.38	21	3		
20	64QAM	50	50	20.35	20.36	20.32				
20	64QAM	100	0	20.31	20.37	20.38				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.22	23.28	23.14	24	0		
15	QPSK	1	37	23.37	23.35	23.11				
15	QPSK	1	74	23.35	23.22	23.02				
15	QPSK	36	0	22.28	22.28	22.23	23	1		
15	QPSK	36	20	22.32	22.29	22.24				
15	QPSK	36	39	22.33	22.30	22.23				
15	QPSK	75	0	22.29	22.27	22.28	23	1		
15	16QAM	1	0	22.26	22.35	22.25				
15	16QAM	1	37	22.42	22.43	22.30				
15	16QAM	1	74	22.46	22.42	22.29	23	1		
15	16QAM	36	0	21.31	21.29	21.25				
15	16QAM	36	20	21.37	21.32	21.28				
15	16QAM	36	39	21.39	21.33	21.29	22	2		
15	16QAM	75	0	21.41	21.38	21.35				
15	64QAM	1	0	21.11	21.16	21.04				
15	64QAM	1	37	21.23	21.23	21.07	22	2		
15	64QAM	1	74	21.28	21.22	21.09				
15	64QAM	36	0	20.32	20.31	20.30				
15	64QAM	36	20	20.35	20.32	20.30	21	3		
15	64QAM	36	39	20.40	20.35	20.30				
15	64QAM	75	0	20.38	20.36	20.34				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.28	23.17	22.83	24	0		
10	QPSK	1	25	23.31	23.29	23.03				
10	QPSK	1	49	23.26	23.12	22.90				
10	QPSK	25	0	22.38	22.37	22.32	23	1		
10	QPSK	25	12	22.40	22.39	22.33				
10	QPSK	25	25	22.44	22.40	22.33				
10	QPSK	50	0	22.39	22.39	22.32	23	1		
10	16QAM	1	0	22.50	22.39	22.40				
10	16QAM	1	25	22.46	22.50	22.36				
10	16QAM	1	49	22.55	22.46	22.39	23	1		
10	16QAM	25	0	21.38	21.38	21.33				
10	16QAM	25	12	21.39	21.38	21.35				
10	16QAM	25	25	21.44	21.38	21.36	22	2		
10	16QAM	50	0	21.42	21.38	21.33				
10	64QAM	1	0	21.18	21.10	21.12				
10	64QAM	1	25	21.15	21.22	21.10	22	2		
10	64QAM	1	49	21.26	21.18	21.10				
10	64QAM	25	0	20.38	20.40	20.35				
10	64QAM	25	12	20.41	20.38	20.34	21	3		
10	64QAM	25	25	20.47	20.41	20.35				
10	64QAM	50	0	20.36	20.36	20.30				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.32	23.36	23.29	24	0		
5	QPSK	1	12	23.36	23.36	23.08				
5	QPSK	1	24	23.35	23.25	22.98				
5	QPSK	12	0	22.40	22.40	22.38	23	1		
5	QPSK	12	7	22.35	22.42	22.37				
5	QPSK	12	13	22.35	22.42	22.36				
5	QPSK	25	0	22.40	22.44	22.36	23	1		
5	16QAM	1	0	22.50	22.45	22.41				
5	16QAM	1	12	22.43	22.55	22.44				
5	16QAM	1	24	22.48	22.50	22.42	22	2		
5	16QAM	12	0	21.36	21.37	21.34				
5	16QAM	12	7	21.33	21.37	21.32				
5	16QAM	12	13	21.33	21.36	21.33	22	2		
5	16QAM	25	0	21.42	21.44	21.41				
5	64QAM	1	0	21.23	21.16	21.12				
5	64QAM	1	12	21.18	21.23	21.08	22	2		
5	64QAM	1	24	21.17	21.18	21.12				
5	64QAM	12	0	20.37	20.41	20.35				
5	64QAM	12	7	20.34	20.40	20.36	21	3		
5	64QAM	12	13	20.33	20.40	20.34				
5	64QAM	25	0	20.41	20.44	20.38				

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	17.25	17.31	17.34	18	0		
20	QPSK	1	49	17.33	17.37	17.31				
20	QPSK	1	99	17.19	17.21	17.16				
20	QPSK	50	0	17.20	17.27	17.22	18	0		
20	QPSK	50	24	17.26	17.33	17.28				
20	QPSK	50	50	17.24	17.32	17.25				
20	QPSK	100	0	17.29	17.31	17.28	18	0		
20	16QAM	1	0	17.18	17.29	17.19				
20	16QAM	1	49	17.31	17.33	17.26				
20	16QAM	1	99	17.17	17.17	17.12	18	0		
20	16QAM	50	0	17.16	17.24	17.16				
20	16QAM	50	24	17.22	17.28	17.27				
20	16QAM	50	50	17.20	17.25	17.21	18	0		
20	16QAM	100	0	17.23	17.26	17.22				
20	64QAM	1	0	17.23	17.27	17.22				
20	64QAM	1	49	17.32	17.30	17.28	18	0		
20	64QAM	1	99	17.14	17.16	17.12				
20	64QAM	50	0	16.83	16.80	16.94				
20	64QAM	50	24	16.90	16.80	16.98	18	0		
20	64QAM	50	50	16.80	16.76	17.01				
20	64QAM	100	0	16.86	16.78	17.02				
Channel				37825 <th>38000</th> <th>38175</th> <th colspan="4"></th>	38000	38175				
Frequency (MHz)				25775	2595	2612.5				
15	QPSK	1	0	17.21	17.28	17.20	18	0		
15	QPSK	1	37	17.30	17.34	17.28				
15	QPSK	1	74	17.14	17.14	17.14				
15	QPSK	36	0	17.13	17.23	17.18	18	0		
15	QPSK	36	20	17.27	17.31	17.24				
15	QPSK	36	36	17.18	17.26	17.18				
15	QPSK	75	0	17.24	17.29	17.26	18	0		
15	16QAM	1	0	17.11	17.23	17.15				
15	16QAM	1	37	17.26	17.26	17.17				
15	16QAM	1	74	17.11	17.16	17.07	18	0		
15	16QAM	36	0	17.14	17.20	17.15				
15	16QAM	36	20	17.16	17.22	17.23				
15	16QAM	36	39	17.13	17.19	17.18	18	0		
15	16QAM	75	0	17.17	17.23	17.17				
15	64QAM	1	0	17.20	17.22	17.15				
15	64QAM	1	37	17.28	17.28	17.28	18	0		
15	64QAM	1	74	17.08	17.09	17.08				
15	64QAM	36	0	16.76	16.67	16.81				
15	64QAM	36	20	16.85	16.69	16.89	18	0		
15	64QAM	36	39	16.80	16.69	16.91				
15	64QAM	75	0	16.87	16.67	16.81				
Channel				37800 <th>38000</th> <th>38200</th> <th colspan="4"></th>	38000	38200				
Frequency (MHz)				25750 <th>2595</th> <th>2610</th> <th colspan="4"></th>	2595	2610				
10	QPSK	1	0	17.24	17.28	17.22	18	0		
10	QPSK	1	25	17.29	17.34	17.24				
10	QPSK	1	49	17.16	17.15	17.13				
10	QPSK	25	0	17.16	17.25	17.19	18	0		
10	QPSK	25	12	17.24	17.29	17.26				
10	QPSK	25	25	17.19	17.28	17.24				
10	QPSK	50	0	17.22	17.25	17.24	18	0		
10	16QAM	1	0	17.13	17.27	17.13				
10	16QAM	1	25	17.27	17.26	17.23				
10	16QAM	1	49	17.10	17.11	17.06	18	0		
10	16QAM	25	0	17.11	17.22	17.13				
10	16QAM	25	12	17.18	17.28	17.23				
10	16QAM	25	25	17.17	17.24	17.23	18	0		
10	16QAM	50	0	17.11	17.27	17.17				
10	64QAM	1	0	17.16	17.22	17.15				
10	64QAM	1	25	17.30	17.23	17.20	18	0		
10	64QAM	1	49	17.07	17.10	17.06				
10	64QAM	25	0	16.69	16.68	16.87				
10	64QAM	25	12	16.84	16.75	16.82	18	0		
10	64QAM	25	25	16.86	16.61	16.88				
10	64QAM	50	0	16.73	16.65	16.86				
Channel				37775 <th>38000</th> <th>38225</th> <th colspan="4"></th>	38000	38225				
Frequency (MHz)				25725	2595	2617.5				
5	QPSK	1	0	17.19	17.28	17.21	18	0		
5	QPSK	1	12	17.27	17.32	17.28				
5	QPSK	1	24	17.17	17.15	17.06				
5	QPSK	12	0	17.19	17.23	17.17	18	0		
5	QPSK	12	7	17.29	17.29	17.28				
5	QPSK	12	13	17.21	17.26	17.21				
5	QPSK	25	0	17.26	17.27	17.24	18	0		
5	16QAM	1	0	17.16	17.28	17.18				
5	16QAM	1	12	17.27	17.28	17.22				
5	16QAM	1	24	17.12	17.13	17.09	18	0		
5	16QAM	12	0	17.13	17.27	17.21				
5	16QAM	12	13	17.15	17.22	17.15				
5	64QAM	1	0	17.17	17.23	17.17	18	0		
5	64QAM	1	12	17.25	17.23	17.25				
5	64QAM	1	24	17.11	17.15	17.05				
5	64QAM	12	0	16.69	16.73	16.62	18	0		
5	64QAM	12	7	16.76	16.68	16.88				
5	64QAM	12	13	16.83	16.67	16.85				
5	64QAM	25	0	16.71	16.72	16.92	18	0		

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	23.68	23.62	23.80	23.86	23.45	24.5	0		
20	QPSK	1	49	23.72	23.68	23.62	23.91	23.35				
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98				
20	QPSK	50	0	22.13	22.18	22.28	22.48	22.35	23.5	1		
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38				
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.36				
20	QPSK	100	0	22.29	22.33	22.23	22.42	22.38	23.5	1		
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08				
20	16QAM	1	49	22.20	22.35	22.47	22.30	22.16				
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14	22.5	2		
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11				
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09				
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	21.5	3		
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09				
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79				
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88	22.5	2		
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82				
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05				
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06	21.5	3		
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01				
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08				
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	23.61	23.70	23.84	23.74	23.51	24.5	0		
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34				
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13				
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06	23.5	1		
15	QPSK	36	20	22.16	22.29	22.37	22.19	22.07				
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05				
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07	23.5	1		
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12				
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17				
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14	22.5	2		
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00				
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99				
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.97	22.5	2		
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08				
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.62				
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84	22.5	2		
15	64QAM	1	74	20.98	21.01	21.12	20.99	20.85				
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02				
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01	21.5	3		
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99				
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501 <th>2547<th>2593<th>2639<th>2685</th><th colspan="4"></th></th></th></th>	2547 <th>2593<th>2639<th>2685</th><th colspan="4"></th></th></th>	2593 <th>2639<th>2685</th><th colspan="4"></th></th>	2639 <th>2685</th> <th colspan="4"></th>	2685				
10	QPSK	1	0	23.47	23.73	23.85	23.70	23.29	24.5	0		
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12				
10	QPSK	1	49	23.65	23.83	23.82	23.74	23.86				
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11	23.5	1		
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10				
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11				
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13	23.5	1		
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20				
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19				
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22	22.5	2		
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14				
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14				
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14	22.5	2		
10	16QAM	50	0	21.16	21.28	21.37	21.23	21.14				
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86				
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88	22.5	2		
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90				
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16				
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14	21.5	3		
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13				
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10				
Channel				2497.5	2543.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.71	23.73	23.85	23.68	23.46	24.5	0		
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16				
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01				
5	QPSK	12	0	22.28	22.28	22.42	22.23	22.14	23.5	1		
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14				
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11				
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17	23.5	1		
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20				
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.24				
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23	22.5	2		
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09				
5	16QAM	12	7	21.16	21.22	21.36	21.16	21.09				
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07	22.5	2		
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17				
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92				
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92	22.5	2		
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92				
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13				
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14	21.5	3		
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10				
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14				

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												
	Frequency (MHz)			39750	40185	40620	41055	41490				
20	QPSK	1	0	17.11	2549.15	2593	2636.5	2680				
20	QPSK	1	49	17.15	17.25	17.06	17.36	17.24	18	0		
20	QPSK	1	49	17.28	17.28	17.12	17.24	17.12				
20	QPSK	50	0	17.22	17.17	17.22	17.27	17.17				
20	QPSK	50	24	17.23	17.23	17.24	17.28	17.24	18	0		
20	QPSK	50	50	17.22	17.15	17.22	17.24	17.22				
20	QPSK	100	0	17.20	17.08	17.24	17.21	17.19				
20	16QAM	1	0	17.01	16.99	16.99	17.17	17.19				
20	16QAM	1	49	17.06	17.12	16.96	17.06	17.26	18	0		
20	16QAM	1	99	17.04	17.13	17.17	17.22	17.19				
20	16QAM	50	0	16.95	16.93	16.95	16.99	17.08				
20	16QAM	50	24	17.08	17.17	17.08	17.21	17.19				
20	16QAM	50	50	17.01	17.17	16.90	17.12	17.22	18	0		
20	16QAM	100	0	17.10	17.03	17.11	17.12	17.14				
20	64QAM	1	0	17.08	17.10	17.20	17.18	17.08				
20	64QAM	1	49	17.06	17.06	17.06	17.10	17.19	18	0		
20	64QAM	1	99	17.12	16.95	17.07	17.11	16.90				
20	64QAM	50	0	16.88	16.91	16.97	17.02	17.00				
20	64QAM	50	24	17.06	17.01	16.92	17.16	17.12				
20	64QAM	50	50	17.01	17.11	17.01	17.17	17.14	18	0		
20	64QAM	100	0	16.98	16.97	17.00	17.20	17.21				
Channel												
	Frequency (MHz)			39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	16.94	2548.1	2593	2637.8	2682.5				
10	QPSK	1	37	17.04	17.11	17.07	17.14	17.07	18	0		
10	QPSK	1	74	16.97	17.12	16.99	17.18	17.15				
10	QPSK	36	0	17.04	17.04	17.25	17.15	17.11				
10	QPSK	36	20	17.11	17.09	17.14	17.12	17.17				
10	QPSK	36	39	17.10	17.04	17.07	17.12	17.08	18	0		
10	QPSK	75	0	17.05	16.95	17.08	17.21	17.12				
10	16QAM	1	0	16.86	16.87	16.89	16.96	16.96				
10	16QAM	1	37	16.93	17.04	17.05	17.24	17.16				
10	16QAM	1	74	16.98	16.97	16.86	17.15	17.14				
10	16QAM	36	0	16.90	16.86	16.82	16.83	16.98				
10	16QAM	36	20	17.02	17.11	16.99	17.07	17.05				
10	16QAM	36	39	16.96	17.12	16.85	17.07	17.08				
10	16QAM	75	0	17.04	16.94	16.86	16.97	17.06				
10	64QAM	1	0	16.99	17.05	17.07	17.16	16.98				
10	64QAM	1	37	17.01	16.94	17.02	16.96	16.93	18	0		
10	64QAM	1	74	17.00	16.80	16.93	17.05	16.85				
10	64QAM	36	0	16.79	16.75	16.86	16.90	16.95				
10	64QAM	36	20	16.84	16.95	16.87	17.02	16.98				
10	64QAM	36	39	16.85	17.06	16.82	17.06	17.09	18	0		
10	64QAM	75	0	16.85	16.85							
Channel												
	Frequency (MHz)			39700	40160	40620	41060	41505	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	17.02	2547	2593	2639	2685				
10	QPSK	1	25	17.07	17.16	16.94	17.04	17.27				
10	QPSK	1	49	16.95	17.16	16.90	17.14	17.15				
10	QPSK	25	0	17.14	17.08	17.27	17.21	17.19				
10	QPSK	25	12	17.18	17.17	17.19	17.18	17.11				
10	QPSK	25	29	17.16	17.09	17.15	17.13	17.07	18	0		
10	QPSK	50	0	17.13	17.03	17.17	17.10	17.13				
10	16QAM	1	0	16.93	16.91	16.93	17.05	17.09				
10	16QAM	1	25	16.93	17.14	17.07	17.20	17.11				
10	16QAM	1	49	16.92	17.06	16.93	17.14	17.12				
10	16QAM	25	0	16.86	16.86	16.90	16.86	16.96				
10	16QAM	25	12	17.00	17.02	17.00	17.15	17.05	18	0		
10	16QAM	25	29	16.97	17.12	16.92	17.04	17.14				
10	16QAM	50	0	16.89	16.95	17.01	17.03	17.03				
10	64QAM	1	0	16.99	16.96	16.95	17.08	17.07				
10	64QAM	1	25	16.97	16.76	16.99	17.00	16.95	18	0		
10	64QAM	1	49	17.07	16.89	17.00	16.96	16.91				
10	64QAM	25	0	16.75	16.78	16.92	16.91	16.95				
10	64QAM	25	12	16.90	16.90	16.85	17.05	17.01	18	0		
10	64QAM	25	29	16.85	17.04	16.86	17.03	17.07				
10	64QAM	50	0	16.92	16.83	16.95	17.15	17.11				
Channel												
	Frequency (MHz)			39675	40148	40620	41063	41505	Tune-up limit (dbm)	MPR (db)		
5	QPSK	1	0	17.05	16.97	16.85	16.98	17.00				
5	QPSK	1	12	16.99	17.18	16.94	17.23	17.20	18	0		
5	QPSK	1	24	16.95	17.07	16.92	17.16	17.14				
5	QPSK	12	0	17.06	17.08	17.22	17.21	17.11				
5	QPSK	12	7	17.13	17.08	17.12	17.20	17.14	18	0		
5	QPSK	12	13	17.10	17.01	17.10	17.17	17.10				
5	QPSK	25	0	17.13	16.93	17.09	17.15	17.07				
5	16QAM	1	0	16.90	16.90	16.89	17.12	17.03				
5	16QAM	1	12	16.90	17.05	16.99	17.16	17.20	18	0		
5	16QAM	1	24	16.93	17.00	16.87	17.11	17.12				
5	16QAM	12	0	16.79	16.76	16.92	16.96	17.03				
5	16QAM	12	7	16.94	17.04	16.95	17.13	17.07	18	0		
5	16QAM	12	13	16.94	17.06	16.82	17.03	17.07				
5	16QAM	25	0	17.01	16.98	17.00	17.02	17.04				
5	64QAM	1	0	17.01	17.01	17.13	17.10	17.00				
5	64QAM	1	12	16.97	16.85	17.00	16.96	17.02	18	0		
5	64QAM	1	24	17.07	16.96	16.93	16.95	16.83				
5	64QAM	12	0	16.92	17.06	16.93	17.00	16.96				
5	64QAM	12	7	16.94	16.91	16.94	17.09	17.05	18	0		
5	64QAM	12	13	16.95	17.05	16.88	17.06	17.01				
5	64QAM	25	0	16.85	16.81	16.94	17.15	17.16				



Reduced Power for DSI 5

GSMB50_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSMB 1 Tx slot	32.26	32.26	32.27	33.50		23.26	23.26	23.27	24.50
GPBS 1 Tx slot	32.24	32.24	32.17	33.50		23.24	23.24	23.17	24.50
GPBS 2 Tx slots	30.68	30.69	30.59	32.00		24.68	24.69	24.59	26.00
GPBS 3 Tx slots	29.26	29.26	29.16	30.00		25.02	25.03	24.90	26.14
GPBS 4 Tx slots	26.69	26.69	26.65	28.00		23.69	23.69	23.65	28.00
EDGE(GMSK 1 Tx slot)	32.14	32.17	32.07	33.50		23.14	23.17	23.07	24.50
EDGE(GMSK 2 Tx slot)	30.62	30.60	30.49	32.00		24.62	24.60	24.49	26.00
EDGE(GMSK 3 Tx slot)	26.18	26.13	26.08	30.00		23.92	23.87	23.82	25.74
EDGE(GMSK 4 Tx slot)	26.58	26.63	26.57	28.00		23.58	23.63	23.57	25.00
EDGE(PSK 1 Tx slot)	26.57	26.56	26.57	28.00		17.57	17.59	17.57	19.30
EDGE(PSK 2 Tx slot)	24.52	24.58	24.53	26.50		18.52	18.59	18.53	20.50
EDGE(PSK 3 Tx slot)	22.82	22.86	22.85	24.50		18.26	18.40	18.29	20.24
EDGE(PSK 4 Tx slot)	22.00	22.11	22.05	22.50		19.00	19.11	19.05	19.50

GSMB50_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSMB 1 Tx slot	31.61	31.77	31.91	33.50		22.61	22.77	22.91	24.50
GPBS 1 Tx slot	31.53	31.67	31.89	33.50		22.53	22.67	22.89	24.50
GPBS 2 Tx slots	30.01	30.22	30.21	32.00		24.01	24.22	24.21	26.00
GPBS 3 Tx slots	28.31	28.46	28.67	30.00		24.05	24.20	24.41	25.74
GPBS 4 Tx slots	26.05	26.15	26.36	28.00		23.05	23.15	23.36	25.00
EDGE(GMSK 1 Tx slot)	31.66	31.62	31.75	33.50		22.66	22.62	22.75	24.50
EDGE(GMSK 2 Tx slot)	30.12	30.03	30.16	32.00		24.12	24.03	24.16	26.00
EDGE(GMSK 3 Tx slot)	26.40	26.58	26.75	30.00		24.20	24.32	24.49	25.74
EDGE(GMSK 4 Tx slot)	26.16	26.07	26.24	28.00		23.16	23.07	23.24	25.00
EDGE(PSK 1 Tx slot)	26.53	26.51	26.56	28.00		17.53	17.51	17.56	19.30
EDGE(PSK 2 Tx slot)	24.85	24.92	24.90	26.50		18.85	18.92	18.90	20.50
EDGE(PSK 3 Tx slot)	22.79	22.70	22.79	24.50		18.53	18.44	18.53	20.24
EDGE(PSK 4 Tx slot)	22.12	22.06	22.11	22.50		19.12	19.06	19.11	19.50

GSMB50_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	1860	1909.8		1850.2	1860	1909.8	
GSMB 1 Tx slot	27.96	28.00	27.85	28.50		18.96	19.00	18.85	19.50
GPBS 1 Tx slot	27.95	27.98	27.83	28.50		18.95	18.98	18.83	19.50
GPBS 2 Tx slots	26.87	27.05	27.09	28.00		20.87	21.05	21.09	22.00
GPBS 3 Tx slots	24.76	24.96	24.97	26.00		20.50	20.70	20.71	21.74
GPBS 4 Tx slots	23.92	24.16	23.91	24.50		20.92	21.15	20.91	22.00
EDGE(GMSK 1 Tx slot)	27.83	27.91	27.78	28.50		18.83	18.91	18.78	19.50
EDGE(GMSK 2 Tx slot)	26.73	27.00	27.01	28.00		20.73	21.00	21.01	22.00
EDGE(GMSK 3 Tx slot)	24.64	24.86	24.84	26.00		20.36	20.60	20.58	21.74
EDGE(GMSK 4 Tx slot)	23.77	23.99	23.80	25.00		20.77	20.99	20.80	22.00
EDGE(PSK 1 Tx slot)	23.86	23.97	23.88	25.50		14.86	14.87	14.88	16.60
EDGE(PSK 2 Tx slot)	22.91	23.08	22.97	24.50		15.91	17.06	16.97	18.00
EDGE(PSK 3 Tx slot)	21.10	21.16	21.01	22.50		16.84	16.90	16.75	18.24
EDGE(PSK 4 Tx slot)	20.15	20.23	20.14	21.00		17.15	17.23	17.14	18.00

GSMB50_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSMB 1 Tx slot	25.71	25.79	25.57	26.00		16.71	16.79	16.57	17.00
GPBS 1 Tx slot	25.69	25.77	25.54	26.00		16.69	16.77	16.54	17.00
GPBS 2 Tx slots	24.72	24.81	24.59	25.00		18.72	18.81	18.59	19.50
GPBS 3 Tx slots	22.70	22.82	22.82	23.50		18.44	18.56	18.36	19.24
GPBS 4 Tx slots	21.07	21.02	21.02	22.50		18.07	18.82	18.62	19.50
EDGE(GMSK 1 Tx slot)	25.61	25.79	25.55	26.00		16.61	16.79	16.55	17.00
EDGE(GMSK 2 Tx slot)	24.75	24.82	24.60	25.00		18.75	18.82	18.60	19.50
EDGE(GMSK 3 Tx slot)	22.71	22.83	22.62	23.50		16.45	16.57	16.36	19.24
EDGE(GMSK 4 Tx slot)	21.69	21.83	21.62	22.50		16.69	18.83	18.62	19.50
EDGE(PSK 1 Tx slot)	21.81	21.96	22.21	23.00		12.81	12.96	13.21	14.00
EDGE(PSK 2 Tx slot)	20.77	20.96	21.27	22.00		14.77	14.86	15.27	16.00
EDGE(PSK 3 Tx slot)	18.77	19.11	19.25	20.00		14.51	14.85	14.99	15.74
EDGE(PSK 4 Tx slot)	17.75	17.86	17.92	18.00		14.75	14.86	14.92	15.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		8662	8800	8938		8662	8800	8938	
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.67	20.68	20.55	21.50	19.22	19.26	19.27	20.00
3GPP Rel 99	RMC 12.2Kbps	20.68	20.70	20.59	21.50	19.28	19.30	19.29	20.00
3GPP Rel 6	HSDPA Subtest-1	19.52	19.74	19.78	21.50	18.17	18.33	18.41	20.00
3GPP Rel 6	HSDPA Subtest-2	19.57	19.68	19.79	21.50	18.14	18.39	18.39	20.00
3GPP Rel 6	HSDPA Subtest-3	19.05	19.22	19.26	21.00	17.72	17.91	17.95	19.30
3GPP Rel 6	HSDPA Subtest-4	19.00	19.19	19.26	21.00	17.65	17.80	17.92	19.50
3GPP Rel 8	DCHSDPA Subtest-1	19.51	19.58	19.69	21.50	18.15	18.24	18.27	20.00
3GPP Rel 8	DCHSDPA Subtest-2	19.55	19.60	19.64	21.50	18.09	18.30	18.28	20.00
3GPP Rel 8	DCHSDPA Subtest-3	19.17	19.13	19.21	21.00	17.58	17.75	17.84	19.50
3GPP Rel 8	DCHSDPA Subtest-4	19.00	19.06	19.19	21.00	17.57	17.74	17.89	19.50
3GPP Rel 6	HSUPA Subtest-1	19.51	19.68	19.75	21.50	18.02	18.08	18.15	20.00
3GPP Rel 6	HSUPA Subtest-2	19.48	19.67	19.78	21.50	17.15	17.34	17.49	18.00
3GPP Rel 6	HSUPA Subtest-3	19.53	19.69	19.76	20.50	18.17	18.34	18.45	19.00
3GPP Rel 6	HSUPA Subtest-4	18.02	18.17	18.26	19.50	16.66	16.86	16.99	18.00
3GPP Rel 6	HSUPA Subtest-5	19.54	19.64	19.74	21.50	18.16	18.34	18.44	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.40	18.53	18.61	19.50	17.13	17.21	17.31	18.00

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1557	1658	1758		1557	1658	1758	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.34	20.44	20.20	21.50	19.07	19.20	18.96	20.00
3GPP Rel 99	RMC 12.2Kbps	20.41	20.45	20.26	21.50	19.14	19.21	19.01	20.00
3GPP Rel 6	HSDPA Subtest-1	19.61	19.63	19.61	21.50	18.17	18.26	18.22	20.00
3GPP Rel 6	HSDPA Subtest-2	19.61	19.51	19.54	21.50	18.12	18.18	18.23	20.00
3GPP Rel 6	HSDPA Subtest-3	19.12	19.01	19.10	21.00	17.56	17.66	17.64	19.50
3GPP Rel 6	HSDPA Subtest-4	19.10	19.00	19.10	21.00	17.57	17.66	17.56	19.50
3GPP Rel 8	DCHSDPA Subtest-1	19.60	19.63	19.61	21.50	18.16	18.22	18.14	20.00
3GPP Rel 8	DCHSDPA Subtest-2	19.54	19.62	19.58	21.50	18.18	18.22	18.10	20.00
3GPP Rel 8	DCHSDPA Subtest-3	19.05	19.09	19.01	21.00	17.71	17.83	17.69	19.50
3GPP Rel 8	DCHSDPA Subtest-4	19.01	19.08	19.00	21.00	17.70	17.53	17.69	19.50
3GPP Rel 6	HSUPA Subtest-1	19.51	19.50	19.56	21.50	18.11	18.10	18.06	20.00
3GPP Rel 6	HSUPA Subtest-2	18.30	18.39	18.30	19.50	17.07	17.20	17.04	18.00
3GPP Rel 6	HSUPA Subtest-3	19.32	19.43	19.35	20.00	18.12	18.20	18.05	19.00
3GPP Rel 6	HSUPA Subtest-4	17.84	17.88	17.83	19.50	16.68	16.67	16.56	18.00
3GPP Rel 6	HSUPA Subtest-5	19.52	19.55	19.52	21.50	18.16	18.16	18.08	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.18	18.22	18.20	19.50	16.95	17.12	16.97	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	22.53	22.53	22.49	23.50	20.84	20.86	20.79	22.50		
3GPP Rel 6	AMR 12.2Kbps	22.36	22.36	22.32	23.50	20.66	20.61	20.62	22.50		
3GPP Rel 6	HSRPA Sub-set 1	21.59	21.51	20.98	23.50	20.00	20.00	20.00	22.50		
3GPP Rel 6	HSRPA Sub-set 2	21.51	21.51	20.98	23.50	20.07	20.03	20.00	22.50		
3GPP Rel 6	HSRPA Sub-set 3	21.04	21.00	20.97	22.50	19.63	19.59	19.50	21.00		
3GPP Rel 6	HSRPA Sub-set 4	21.03	20.99	20.99	22.50	19.55	19.54	19.45	21.00		
3GPP Rel 6	DC-HSRPA Sub-set 1	21.65	21.64	21.52	23.50	20.12	20.00	20.01	22.00		
3GPP Rel 6	DC-HSRPA Sub-set 2	21.60	21.51	21.58	23.50	20.13	20.15	20.01	22.00		
3GPP Rel 6	DC-HSRPA Sub-set 3	20.98	20.85	20.94	22.50	19.55	19.55	19.35	21.00		
3GPP Rel 8	DC-HSRPA Sub-set 4	21.01	20.86	20.95	23.50	19.37	19.37	19.38	21.00		
3GPP Rel 6	HSRPA Sub-set 1	21.39	21.34	21.31	22.50	19.03	19.03	19.01	22.00		
3GPP Rel 6	HSRPA Sub-set 2	20.42	20.42	20.43	21.50	18.57	18.57	18.51	21.00		
3GPP Rel 6	HSRPA Sub-set 3	21.44	21.45	21.45	22.50	19.48	19.51	19.50	21.00		
3GPP Rel 6	HSRPA Sub-set 4	19.86	19.87	19.83	21.50	18.05	18.05	18.01	21.00		
3GPP Rel 6	HSRPA Sub-set 5	21.50	21.57	21.53	23.50	20.05	20.11	20.07	22.00		
3GPP Rel 7	HSRPA (TQDM) Sub-set 1	20.28	20.34	20.28	21.50	18.43	18.40	18.43	20.00		

Band 4_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel				20050	20175	20300						
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	19.19	19.20	19.17	20	0				
20	QPSK	1	49	19.38	19.42	19.37						
20	QPSK	1	99	19.33	19.40	19.36						
20	QPSK	50	0	19.29	19.35	19.30						
20	QPSK	50	24	19.20	19.41	19.36	20	0				
20	QPSK	50	50	19.33	19.36	19.32						
20	QPSK	100	0	19.30	19.36	19.29						
20	16QAM	1	0	19.14	19.18	19.13						
20	16QAM	1	49	19.34	19.35	19.30	20	0				
20	16QAM	1	99	19.28	19.38	19.29						
20	16QAM	50	0	19.27	19.33	19.26						
20	16QAM	50	24	19.35	19.37	19.37						
20	16QAM	50	50	19.29	19.33	19.27	20	0				
20	16QAM	100	0	19.25	19.35	19.28						
20	64QAM	1	0	19.14	19.14	19.10						
20	64QAM	1	49	19.31	19.39	19.33						
20	64QAM	1	99	19.26	19.39	19.29	20	0				
20	64QAM	50	0	19.22	19.34	19.23						
20	64QAM	50	24	19.30	19.39	19.31						
20	64QAM	50	50	19.26	19.31	19.31						
20	64QAM	100	0	19.26	19.31	19.23	20	0				
Channel				20005	20175	20305						
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	19.17	19.13	19.16	20	0				
15	QPSK	1	37	19.32	19.37	19.35						
15	QPSK	1	74	19.28	19.36	19.35						
15	QPSK	36	0	19.22	19.32	19.23						
15	QPSK	36	20	19.32	19.35	19.31	20	0				
15	QPSK	36	39	19.32	19.30	19.25						
15	QPSK	75	0	19.27	19.29	19.26						
15	16QAM	1	0	19.10	19.11	19.11						
15	16QAM	1	37	19.28	19.31	19.24	20	0				
15	16QAM	1	74	19.24	19.37	19.27						
15	16QAM	36	0	19.20	19.30	19.21						
15	16QAM	36	20	19.34	19.30	19.36						
15	16QAM	36	39	19.24	19.26	19.24	20	0				
15	16QAM	75	0	19.19	19.34	19.27						
15	64QAM	1	0	19.11	19.08	19.06						
15	64QAM	1	37	19.30	19.38	19.32						
15	64QAM	1	74	19.24	19.36	19.22	20	0				
15	64QAM	36	0	19.19	19.28	19.22						
15	64QAM	36	20	19.27	19.38	19.24						
15	64QAM	36	39	19.22	19.29	19.27						
15	64QAM	75	0	19.25	19.29	19.19	20	0				
Channel				20000	20175	20350						
Frequency (MHz)				1715	1732.5	1750						
10	QPSK	1	0	19.12	19.16	19.11	20	0				
10	QPSK	1	25	19.32	19.41	19.35						
10	QPSK	1	49	19.31	19.35	19.33						
10	QPSK	25	0	19.28	19.29	19.24						
10	QPSK	25	12	19.35	19.35	19.32	20	0				
10	QPSK	25	25	19.32	19.31	19.29						
10	QPSK	50	0	19.25	19.30	19.28						
10	16QAM	1	0	19.13	19.13	19.10						
10	16QAM	1	25	19.31	19.34	19.23	20	0				
10	16QAM	1	49	19.23	19.37	19.25						
10	16QAM	25	0	19.26	19.26	19.21						
10	16QAM	25	12	19.31	19.32	19.34						
10	16QAM	25	25	19.25	19.32	19.24	20	0				
10	16QAM	50	0	19.24	19.33	19.27						
10	64QAM	1	0	19.12	19.07	19.03						
10	64QAM	1	25	19.27	19.35	19.32						
10	64QAM	1	49	19.24	19.37	19.22	20	0				
10	64QAM	25	0	19.18	19.30	19.17						
10	64QAM	25	12	19.28	19.36	19.25						
10	64QAM	25	25	19.20	19.27	19.27						
10	64QAM	50	0	19.20	19.29	19.21	20	0				
Channel				19975	20175	20375						
Frequency (MHz)				1722.5	1732.5	1742.5						
5	QPSK	1	0	19.16	19.15	19.11	20	0				
5	QPSK	1	12	19.37	19.39	19.31						
5	QPSK	1	24	19.30	19.38	19.32						
5	QPSK	12	0	19.22	19.34	19.29						
5	QPSK	12	7	19.32	19.38	19.32	20	0				
5	QPSK	12	13	19.32	19.31	19.31						
5	QPSK	25	0	19.28	19.33	19.23						
5	16QAM	1	0	19.09	19.12	19.11						
5	16QAM	1	12	19.26	19.35	19.24	20	0				
5	16QAM	1	24	19.24	19.32	19.27						
5	16QAM	12	0	19.23	19.28	19.24						
5	16QAM	12	7	19.32	19.35	19.31						
5	16QAM	12	13	19.28	19.27	19.24	20	0				
5	16QAM	25	0	19.23	19.30	19.25						
5	64QAM	1	0	19.09	19.09	19.04						
5	64QAM	1	12	19.30	19.32	19.32						
5	64QAM	1	24	19.26	19.34	19.24	20	0				
5	64QAM	12	0	19.18	19.29	19.17						
5	64QAM	12	7	19.27	19.35	19.34						
5	64QAM	12	13	19.20	19.24	19.24						
5	64QAM	25	0	19.23	19.25	19.16	20	0				
Channel				19965	20175	20385						
Frequency (MHz)				1711.5	1732.5	1753.5						
3	QPSK	1	0	19.18	19.17	19.14	20	0				
3	QPSK	1	8	19.37	19.39	19.31						
3	QPSK	1	14	19.31	19.34	19.34						
3	QPSK	8	0	19.22	19.30	19.29						
3	QPSK	8	4	19.31	19.36	19.36	20	0				
3	QPSK	8	7	19.29	19.32	19.27						
3	QPSK	15	0	19.26	19.33	19.25						
3	16QAM	1	0	19.10	19.12	19.10						
3	16QAM	1	8	19.27	19.29	19.23	20	0				
3	16QAM	1	14	19.23	19.31	19.24						
3	16QAM	8	0	19.24	19.30	19.24						
3	16QAM	8	4	19.33	19.35	19.35						
3	16QAM	8	7	19.26	19.30	19.24	20	0				
3	16QAM	15	0	19.20	19.30	19.24						
3	64QAM	1	0	19.08	19.12	19.08						
3	64QAM	1	8	19.25	19.38	19.32						
3	64QAM	1	14	19.24	19.33	19.24	20	0				
3	64QAM	8	0	19.17	19.31	19.22						
3	64QAM	8	4	19.26	19.36	19.25						
3	64QAM	8	7	19.24	19.28	19.24						
3	64QAM	15	0	19.24	19.29	19.1						

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	24.5	0	1
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.48	23.45	23.43			
10	QPSK	1	25	23.51	23.58	23.47			
10	QPSK	1	49	23.42	23.42	23.41	23.5	1	2
10	QPSK	25	0	21.95	21.93	21.94			
10	QPSK	25	12	21.70	21.99	21.26			
10	QPSK	25	25	21.96	21.94	21.93			
10	QPSK	50	0	22.02	22.06	21.95	23.5	1	2
10	16QAM	1	0	21.88	22.34	21.84			
10	16QAM	1	25	21.83	22.32	21.81			
10	16QAM	1	49	21.79	22.23	21.81			
10	16QAM	25	0	20.60	20.93	20.53	22.5	2	3
10	16QAM	25	12	20.59	20.84	20.53			
10	16QAM	25	25	20.58	20.92	20.56			
10	16QAM	50	0	20.61	20.93	20.52			
10	64QAM	1	0	20.75	21.18	20.69	22.5	2	3
10	64QAM	1	25	20.74	21.16	20.70			
10	64QAM	1	49	20.69	21.14	20.64			
10	64QAM	25	0	19.59	19.89	19.50			
10	64QAM	25	12	19.60	19.91	19.51	21.5	3	0
10	64QAM	25	25	19.58	19.92	19.59			
10	64QAM	50	0	19.59	19.93	19.50			
10	64QAM	50	0	19.59	19.93	19.50			
Channel				20450	20525	20600	24.5	0	1
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.03	23.02	23.04			
5	QPSK	1	12	23.06	23.04	23.02			
5	QPSK	1	24	23.07	23.00	23.01	23.5	1	2
5	QPSK	12	0	21.59	21.51	21.59			
5	QPSK	12	7	21.57	21.50	21.50			
5	QPSK	12	13	21.56	21.57	21.57			
5	QPSK	25	0	21.59	21.53	21.54	23.5	1	3
5	16QAM	1	0	21.85	21.74	21.77			
5	16QAM	1	12	21.90	21.81	21.84			
5	16QAM	1	24	21.85	21.81	21.77			
5	16QAM	12	0	20.59	20.51	20.58	22.5	2	0
5	16QAM	12	7	20.57	20.51	20.59			
5	16QAM	12	13	20.58	20.55	20.50			
5	16QAM	25	0	20.58	20.52	20.50			
5	64QAM	1	0	20.74	20.64	20.71	22.5	2	3
5	64QAM	1	12	20.77	20.73	20.72			
5	64QAM	1	24	20.70	20.64	20.63			
5	64QAM	12	0	19.61	19.52	19.51			
5	64QAM	12	7	19.62	19.52	19.51	21.5	3	0
5	64QAM	12	13	19.59	19.50	19.52			
5	64QAM	25	0	19.55	19.50	19.59			
5	64QAM	25	0	19.55	19.50	19.59			
Channel				20415	20525	20635	24.5	0	1
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.01	22.95	22.98			
3	QPSK	1	8	22.96	22.94	22.91			
3	QPSK	1	14	23.05	22.96	22.93	23.5	1	2
3	QPSK	8	0	21.55	21.53	21.51			
3	QPSK	8	4	21.52	21.56	21.57			
3	QPSK	8	7	21.51	21.54	21.54			
3	QPSK	15	0	21.50	21.54	21.54	23.5	1	3
3	16QAM	1	0	21.81	21.70	21.71			
3	16QAM	1	8	21.78	21.73	21.72			
3	16QAM	1	14	21.79	21.72	21.75			
3	16QAM	8	0	20.58	20.57	20.55	22.5	2	0
3	16QAM	8	4	20.57	20.58	20.50			
3	16QAM	8	7	20.59	20.59	20.59			
3	16QAM	15	0	20.52	20.57	20.58			
3	64QAM	1	0	20.72	20.57	20.59	22.5	2	3
3	64QAM	1	8	20.68	20.59	20.59			
3	64QAM	1	14	20.76	20.61	20.61			
3	64QAM	8	0	19.59	19.57	19.54			
3	64QAM	8	4	19.53	19.50	19.50	21.5	3	0
3	64QAM	8	7	19.59	19.50	19.56			
3	64QAM	15	0	19.54	19.57	19.53			
3	64QAM	15	0	19.54	19.57	19.53			
Channel				20407	20525	20643	24.5	0	1
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.99	22.91	22.91			
1.4	QPSK	1	3	23.05	23.02	22.97			
1.4	QPSK	1	5	23.01	23.05	23.00	23.5	1	2
1.4	QPSK	3	0	23.03	22.96	22.94			
1.4	QPSK	3	1	23.03	23.02	22.98			
1.4	QPSK	3	3	23.07	23.01	22.96			
1.4	QPSK	6	0	21.53	21.54	21.56	23.5	1	3
1.4	16QAM	1	0	21.78	21.68	21.70			
1.4	16QAM	1	3	21.76	21.71	21.67			
1.4	16QAM	1	5	21.81	21.71	21.66			
1.4	16QAM	3	0	21.53	21.53	21.54	22.5	2	0
1.4	16QAM	3	1	21.53	21.55	21.53			
1.4	16QAM	3	3	21.52	21.53	21.52			
1.4	16QAM	6	0	20.64	20.51	20.56			
1.4	64QAM	1	0	20.73	20.62	20.63	22.5	2	3
1.4	64QAM	1	3	20.62	20.61	20.52			
1.4	64QAM	1	5	20.68	20.60	20.60			
1.4	64QAM	3	0	20.63	20.51	20.55			
1.4	64QAM	3	1	20.61	20.58	20.53	21.5	3	0
1.4	64QAM	3	3	20.62	20.55	20.56			
1.4	64QAM	6	0	19.53	19.52	19.57			
1.4	64QAM	6	0	19.53	19.52	19.57			

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	20.76	20.54	20.68	21.5	0	
20	QPSK	1	49	20.82	20.83	20.75			
20	QPSK	1	99	20.82	20.47	20.73			
20	QPSK	50	0	20.83	20.45	20.59			
20	QPSK	50	24	20.68	20.69	20.83	21.5	0	
20	QPSK	50	50	20.51	20.45	20.61			
20	QPSK	100	0	20.59	20.73	20.72			
20	16QAM	1	0	20.85	20.69	20.70			
20	16QAM	1	49	20.73	20.79	20.85	21.5	0	
20	16QAM	1	99	20.73	20.77	20.76			
20	16QAM	50	0	20.61	20.74	20.65			
20	16QAM	50	24	20.72	20.81	20.70			
20	16QAM	50	50	20.38	20.53	20.56	21.5	0	
20	16QAM	100	0	20.44	20.43	20.50			
20	64QAM	1	0	20.84	20.55	20.55			
20	64QAM	1	49	20.61	20.71	20.67			
20	64QAM	1	99	20.80	20.65	20.81	21.5	0	
20	64QAM	50	0	19.66	19.71	19.68			
20	64QAM	50	24	19.74	19.73	19.72			
20	64QAM	50	50	19.70	19.74	19.79			
20	64QAM	100	0	19.64	19.76	19.78	21	0.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.87	20.42	20.80			
15	QPSK	1	37	20.74	20.76	20.59			
15	QPSK	1	74	20.53	20.31	20.66			
15	QPSK	36		20.49	20.34	20.47			
15	QPSK	36	20	20.55	20.60	20.57	21.5	0	
15	QPSK	36	49	20.36	20.36	20.36			
15	QPSK	75	0	20.43	20.68	20.56			
15	16QAM	1	0	20.58	20.57	20.56			
15	16QAM	1	37	20.60	20.63	20.60	21.5	0	
15	16QAM	1	74	20.65	20.65	20.66			
15	16QAM	36	0	20.56	20.63	20.55			
15	16QAM	36	20	20.61	20.74	20.64			
15	16QAM	36	39	20.32	20.47	20.42	21.5	0	
15	16QAM	75	0	20.36	20.32	20.34			
15	64QAM	1	0	20.50	20.50	20.50			
15	64QAM	1	37	20.48	20.58	20.61			
15	64QAM	1	74	20.53	20.54	20.75	21.5	0	
15	64QAM	36	0	19.59	19.58	19.52			
15	64QAM	36	20	19.61	19.67	19.56			
15	64QAM	36	39	19.61	19.67	19.67			
15	64QAM	75	0	19.56	19.67	19.73	21	0.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.80	20.47	20.54			
10	QPSK	1	25	20.77	20.75	20.68			
10	QPSK	1	49	20.51	20.35	20.67			
10	QPSK	25	0	20.51	20.31	20.51			
10	QPSK	25	12	20.53	20.53	20.52	21.5	0	
10	QPSK	25	25	20.37	20.35	20.23			
10	QPSK	50	0	20.51	20.66	20.65			
10	16QAM	1	0	20.56	20.58	20.63			
10	16QAM	1	25	20.65	20.71	20.58	21.5	0	
10	16QAM	1	49	20.60	20.67	20.60			
10	16QAM	25	0	20.50	20.68	20.30			
10	16QAM	25	12	20.56	20.56	20.61			
10	16QAM	25	25	20.27	20.44	20.45	21.5	0	
10	16QAM	50	0	20.32	20.30	20.35			
10	64QAM	1	25	20.53	20.58	20.58			
10	64QAM	1	49	20.46	20.51	20.71			
10	64QAM	25	0	19.50	19.58	19.56	21	0.5	
10	64QAM	25	12	19.61	19.68	19.54			
10	64QAM	25	25	19.56	19.58	19.70			
10	64QAM	50	0	19.57	19.66	19.66			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.66	20.47	20.59	21.5	0	
5	QPSK	1	12	20.74	20.75	20.65			
5	QPSK	1	24	20.49	20.33	20.64			
5	QPSK	12	0	20.51	20.32	20.48			
5	QPSK	12	7	20.57	20.53	20.56	21.5	0	
5	QPSK	12	13	20.36	20.29	20.51			
5	QPSK	25	0	20.47	20.62	20.60			
5	16QAM	1	0	20.58	20.56	20.35			
5	16QAM	1	12	20.66	20.66	20.80	21.5	0	
5	16QAM	1	24	20.62	20.69	20.64			
5	16QAM	12	0	20.46	20.64	20.54			
5	16QAM	12	7	20.67	20.68	20.54			
5	16QAM	12	13	20.31	20.48	20.51	21.5	0	
5	16QAM	25	0	20.30	20.38	20.34			
5	64QAM	1	0	20.55	20.45	20.43			
5	64QAM	1	12	20.56	20.58	20.56			
5	64QAM	1	24	20.45	20.45	20.72	21.5	0	
5	64QAM	12	0	19.54	19.58	19.59			
5	64QAM	12	7	19.65	19.58	19.63			
5	64QAM	12	13	19.60	19.63	19.64			
5	64QAM	25	0	19.53	19.63	19.70	21	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					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	16.52	16.53	16.58	17	0			
20	QPSK	1	49	16.59	16.67	16.65					
20	QPSK	1	99	16.54	16.63	16.59					
20	QPSK	50	0	16.44	16.49	16.45					
20	QPSK	50	24	16.61	16.65	16.59	17	0			
20	QPSK	50	50	16.45	16.51	16.54					
20	QPSK	100	0	16.48	16.52	16.46					
20	16QAM	1	0	16.51	16.50	16.57					
20	16QAM	1	49	16.57	16.57	16.58	17	0			
20	16QAM	1	99	16.52	16.54	16.53					
20	16QAM	50	0	16.41	16.45	16.43					
20	16QAM	50	24	16.55	16.64	16.58					
20	16QAM	50	50	16.40	16.48	16.48	17	0			
20	16QAM	100	0	16.41	16.34	16.45					
20	64QAM	1	0	16.49	16.48	16.54					
20	64QAM	1	49	16.55	16.56	16.63					
20	64QAM	1	99	16.52	16.62	16.53	17	0			
20	64QAM	50	0	16.43	16.48	16.36					
20	64QAM	50	24	16.51	16.60	16.56					
20	64QAM	50	50	16.36	16.46	16.45					
20	64QAM	100	0	16.47	16.38	16.46	17	0			
Channel				20850	21100	21375					
Frequency (MHz)				2502.5	2535	2562.5					
15	QPSK	1	0	16.46	16.46	16.49	17	0			
15	QPSK	1	37	16.55	16.63	16.62					
15	QPSK	1	74	16.51	16.54	16.57					
15	QPSK	36	0	16.41	16.47	16.40					
15	QPSK	36	20	16.53	16.56	16.49	17	0			
15	QPSK	36	39	16.39	16.41	16.45					
15	QPSK	75	0	16.38	16.43	16.36					
15	16QAM	1	0	16.49	16.49	16.56					
15	16QAM	1	37	16.47	16.56	16.59	17	0			
15	16QAM	1	74	16.48	16.50	16.52					
15	16QAM	36	0	16.37	16.38	16.37					
15	16QAM	36	20	16.51	16.55	16.50					
15	16QAM	36	39	16.37	16.38	16.47	17	0			
15	16QAM	75	0	16.35	16.32	16.38					
15	64QAM	1	0	16.39	16.39	16.39					
15	64QAM	1	37	16.53	16.52	16.60					
15	64QAM	1	74	16.46	16.52	16.47	17	0			
15	64QAM	36	0	16.41	16.44	16.32					
15	64QAM	36	20	16.44	16.51	16.53					
15	64QAM	36	39	16.29	16.44	16.37					
15	64QAM	75	0	16.39	16.34	16.44	17	0			
Channel				20800	21100	21400					
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	16.48	16.48	16.48	17	0			
10	QPSK	1	25	16.51	16.58	16.56					
10	QPSK	1	49	16.45	16.61	16.50					
10	QPSK	25	0	16.36	16.43	16.37					
10	QPSK	25	12	16.54	16.59	16.56	17	0			
10	QPSK	25	25	16.39	16.43	16.44					
10	QPSK	50	0	16.46	16.51	16.45					
10	16QAM	1	0	16.48	16.40	16.55					
10	16QAM	1	25	16.53	16.55	16.57	17	0			
10	16QAM	1	49	16.43	16.44	16.46					
10	16QAM	25	0	16.40	16.36	16.40					
10	16QAM	25	12	16.49	16.55	16.54					
10	16QAM	50	0	16.40	16.25	16.41	17	0			
10	64QAM	1	0	16.39	16.46	16.50					
10	64QAM	1	25	16.51	16.53	16.56					
10	64QAM	1	49	16.49	16.59	16.49					
10	64QAM	25	0	16.35	16.44	16.32	17	0			
10	64QAM	25	12	16.50	16.58	16.54					
10	64QAM	25	25	16.26	16.41	16.37					
10	64QAM	50	0	16.44	16.29	16.45					
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	16.50	16.49	16.50	17	0			
5	QPSK	1	12	16.55	16.62	16.62					
5	QPSK	1	24	16.49	16.58	16.54					
5	QPSK	12	0	16.34	16.45	16.44					
5	QPSK	12	7	16.54	16.57	16.58	17	0			
5	QPSK	12	13	16.36	16.41	16.53					
5	QPSK	25	0	16.44	16.44	16.39					
5	16QAM	1	0	16.47	16.43	16.52					
5	16QAM	1	12	16.55	16.56	16.61	17	0			
5	16QAM	1	24	16.47	16.45	16.44					
5	16QAM	12	0	16.38	16.42	16.41					
5	16QAM	12	7	16.51	16.59	16.53					
5	16QAM	12	13	16.37	16.47	16.39	17	0			
5	16QAM	25	0	16.31	16.31	16.43					
5	64QAM	1	0	16.39	16.46	16.51					
5	64QAM	1	12	16.51	16.51	16.55					
5	64QAM	1	24	16.45	16.56	16.44	17	0			
5	64QAM	12	0	16.42	16.38	16.32					
5	64QAM	12	7	16.50	16.54	16.50					
5	64QAM	12	13	16.32	16.45	16.44					
5	64QAM	25	0	16.40	16.28	16.42	17	0			
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
1.4	QPSK	1	0	22.86	23.06	23.98	24	0			
1.4	QPSK	1	3	23.03	23.09	23.03					
1.4	QPSK	1	5	23.04	23.07	23.04					
1.4	QPSK	3	0	22.93	23.02	22.97					
1.4	QPSK	3	1	22.96	23.07	22.99	23.5	0.5			
1.4	QPSK	3	3	23.03	23.05	22.99					
1.4	QPSK	6	0	22.03	22.02	21.98					
1.4	16QAM	1	0	21.96	21.95	21.95					
1.4	16QAM	1	3	21.91	22.05	21.96	23.5	0.5			
1.4	16QAM	1	5	21.92	21.98	21.91					
1.4	16QAM	3	0	21.91	21.88	21.94					
1.4	16QAM	3	1	21.86	22.00	21.95					
1.4	16QAM	3	3	21.87	21.94	21.84	22.5	1.5			
1.4	16QAM	6	0	21.02	20.94	20.96					
1.4	64QAM	1	0	20.93	20.92	20.92					
1.4	64QAM	1	3	20.92	20.98	20.96					
1.4	64QAM	1	5	20.92	21.01	20.85	22.5	1.5			
1.4	64QAM	3	0	20.90	20.91	20.89					
1.4	64QAM	3	1	20.89	20.92	20.89					
1.4	64QAM	3	3	20.86	20.99	20.82					
1.4	64QAM	6	0	19.94	19.94	19.80	21.5	2.5			

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		24.5	0	
10	QPSK	1	25		23.54				
10	QPSK	1	49		23.44				
10	QPSK	25	0		21.95				
10	QPSK	25	12		21.98		23.5	1	
10	QPSK	25	25		21.93				
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.23				
10	16QAM	1	25		22.35		23.5	1	
10	16QAM	1	49		22.24				
10	16QAM	25	0		20.93				
10	16QAM	25	12		20.95				
10	16QAM	25	25		20.91		22.5	2	
10	16QAM	50	0		20.92				
10	64QAM	1	0		21.07				
10	64QAM	1	25		21.16				
10	64QAM	1	49		21.18		21.5	3	
10	64QAM	25	0		19.93				
10	64QAM	25	12		19.98				
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.19	23.22	23.28	24.5	0	
5	QPSK	1	12	23.33	23.30	23.32			
5	QPSK	1	24	23.24	23.30	23.25			
5	QPSK	12	0	21.74	21.71	21.78			
5	QPSK	12	7	21.75	21.70	21.74	23.5	1	
5	QPSK	12	13	21.74	21.75	21.74			
5	QPSK	25	0	21.78	21.74	21.77			
5	16QAM	1	0	21.97	21.99	22.03			
5	16QAM	1	12	22.10	22.07	22.16	23.5	1	
5	16QAM	1	24	22.06	22.03	22.03			
5	16QAM	12	0	20.74	20.72	20.75			
5	16QAM	12	7	20.73	20.71	20.74			
5	16QAM	12	13	20.73	20.73	20.74	22.5	2	
5	16QAM	25	0	20.74	20.70	20.75			
5	64QAM	1	0	20.84	20.91	20.96			
5	64QAM	1	12	21.02	20.97	20.99			
5	64QAM	1	24	20.91	20.91	20.92	22.5	2	
5	64QAM	12	0	19.83	19.82	19.84			
5	64QAM	12	7	19.85	19.83	19.83			
5	64QAM	12	13	19.83	19.82	19.82			
5	64QAM	25	0	19.81	19.81	19.80	21.5	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					
Frequency (MHz)				782					
10	QPSK	1	0		23.08		24.5	0	
10	QPSK	1	25		23.11				
10	QPSK	1	49		23.06				
10	QPSK	25	0		21.56				
10	QPSK	25	12		21.58		23.5	1	
10	QPSK	25	25		21.53				
10	QPSK	50	0		21.55				
10	16QAM	1	0		21.85				
10	16QAM	1	25		21.93		23.5	1	
10	16QAM	1	49		21.82				
10	16QAM	25	0		20.53				
10	16QAM	25	12		20.54				
10	16QAM	25	25		20.51		22.5	2	
10	16QAM	50	0		20.50				
10	64QAM	1	0		20.76				
10	64QAM	1	25		20.79				
10	64QAM	1	49		20.71		22.5	2	
10	64QAM	25	0		19.54				
10	64QAM	25	12		19.55				
10	64QAM	25	25		19.51				
10	64QAM	50	0		19.52		21.5	3	
Channel				23205	23230	23255			
Frequency (MHz)				770.5	782	784.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.77	22.79	22.77	24.5	0	
5	QPSK	1	12	22.90	22.90	22.76			
5	QPSK	1	24	22.74	22.79	22.76			
5	QPSK	12	0	21.78	21.73	21.77			
5	QPSK	12	7	21.78	21.73	21.75	23.5	1	
5	QPSK	12	13	21.77	21.75	21.72			
5	QPSK	25	0	21.81	21.74	21.77			
5	16QAM	1	0	21.51	21.52	21.57			
5	16QAM	1	12	21.61	21.61	21.63	23.5	1	
5	16QAM	1	24	21.56	21.60	21.52			
5	16QAM	12	0	20.77	20.74	20.77			
5	16QAM	12	7	20.79	20.75	20.73			
5	16QAM	12	13	20.78	20.77	20.73	22.5	2	
5	16QAM	25	0	20.77	20.73	20.76			
5	64QAM	1	0	20.91	20.94	20.94			
5	64QAM	1	12	21.01	21.06	20.97			
5	64QAM	1	24	20.95	20.95	20.89	22.5	2	
5	64QAM	12	0	19.87	19.83	19.85			
5	64QAM	12	7	19.88	19.86	19.82			
5	64QAM	12	13	19.83	19.85	19.82			
5	64QAM	25	0	19.84	19.81	19.79	21.5	3	

Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				23780	23790	23800	24	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.11	23.16	23.05	23.5	0.5	
10	QPSK	1	25	23.12	23.19	23.09			
10	QPSK	1	49	23.06	23.11	23.05			
10	QPSK	25	0	22.09	22.14	22.09			
10	QPSK	25	12	22.12	22.15	22.10	23.5	0.5	
10	QPSK	25	25	22.07	22.11	22.07			
10	QPSK	50	0	22.07	22.12	22.07			
10	16QAM	1	0	22.02	22.09	22.04			
10	16QAM	1	25	22.09	22.09	22.04	23.5	0.5	
10	16QAM	1	49	22.01	22.06	22.04			
10	16QAM	25	0	21.08	21.12	21.05			
10	16QAM	25	12	21.08	21.09	21.03			
10	16QAM	25	25	21.00	21.04	21.05	22.5	1.5	
10	16QAM	50	0	21.05	21.09	21.04			
10	64QAM	1	0	20.97	21.02	21.01			
10	64QAM	1	25	21.03	21.03	21.02			
10	64QAM	1	49	20.97	20.99	21.01	21.5	2.5	
10	64QAM	25	0	20.06	20.08	20.00			
10	64QAM	25	12	20.01	20.07	19.96			
10	64QAM	25	25	19.95	20.01	19.99			
10	64QAM	50	0	19.98	20.03	19.97			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				708.5	710	711.5	24	0	
5	QPSK	1	0	23.07	23.14	23.02			
5	QPSK	1	12	23.07	23.13	23.01	23.5	0.5	
5	QPSK	1	24	23.05	23.05	22.99			
5	QPSK	12	0	22.07	22.13	22.05			
5	QPSK	12	7	22.10	22.10	22.08			
5	QPSK	12	13	22.02	22.05	22.04	23.5	0.5	
5	QPSK	25	0	22.00	22.07	22.01			
5	16QAM	1	0	21.98	22.08	22.00			
5	16QAM	1	12	22.03	22.07	22.05			
5	16QAM	1	24	21.97	22.04	22.02	22.5	1.5	
5	16QAM	12	0	21.03	21.05	21.04			
5	16QAM	12	7	21.04	21.04	20.96			
5	16QAM	12	13	20.96	20.97	21.03			
5	16QAM	25	0	21.00	21.06	20.97	22.5	2.5	
5	64QAM	1	0	20.92	20.98	20.96			
5	64QAM	1	12	21.01	21.02	21.00			
5	64QAM	1	24	20.95	20.96	20.97			
5	64QAM	12	0	20.01	20.05	19.94			
5	64QAM	12	7	19.97	20.01	19.91	21.5	2.5	
5	64QAM	12	13	19.93	19.94	19.94			
5	64QAM	25	0	19.96	19.97	19.92			

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				23760	23790	23800	24.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24			
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20	23.5	1	
10	QPSK	25	0	21.77	21.77	21.76			
10	QPSK	25	12	21.78	21.82	21.78			
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78	23.5	1	
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00			
10	16QAM	1	49	22.06	22.10	22.03			
10	16QAM	25	0	20.70	20.77	20.67	22.5	2	
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67			
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78	22.5	2	
10	64QAM	1	25	20.88	20.97	20.85			
10	64QAM	1	49	20.93	20.94	20.87			
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69	21.5	3	
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.76	19.66			
Channel				23165	23190	23205	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5	24.5	0	
5	QPSK	1	0	23.18	23.17	23.16			
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26	23.5	1	
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70			
5	QPSK	12	13	21.68	21.66	21.70			
5	QPSK	25	0	21.70	21.69	21.73	23.5	1	
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05			
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71	22.5	2	
5	16QAM	12	7	20.71	20.69	20.71			
5	16QAM	12	13	20.72	20.67	20.67			
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91	22.5	2	
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85			
5	64QAM	12	0	19.72	19.72	19.76			
5	64QAM	12	7	19.75	19.72	19.74	21.5	3	
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66			

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	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.35	23.24	23.23			
15	QPSK	1	37	23.38	23.39	23.26			
15	QPSK	1	74	23.23	23.16	23.15	23	1	
15	QPSK	36	0	22.23	22.19	22.18			
15	QPSK	36	20	22.25	22.27	22.17			
15	QPSK	36	38	22.24	22.22	22.20			
15	QPSK	75	0	22.25	22.28	22.17	23	1	
15	16QAM	1	0	22.37	22.30	22.31			
15	16QAM	1	37	22.30	22.37	22.33			
15	16QAM	1	74	22.39	22.24	22.20			
15	16QAM	36	0	21.06	21.04	21.07	22	2	
15	16QAM	36	20	21.04	21.03	21.04			
15	16QAM	36	36	21.08	21.02	21.06			
15	16QAM	75	0	21.10	21.03	21.05			
15	64QAM	1	0	21.23	21.18	21.28	22	2	
15	64QAM	1	37	21.21	21.29	21.24			
15	64QAM	1	74	21.29	21.18	21.17			
15	64QAM	36	0	20.06	20.05	20.06			
15	64QAM	36	20	20.04	20.02	20.03	21	3	
15	64QAM	36	38	20.05	20.02	19.99			
15	64QAM	75	0	20.39	20.02	20.04			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				810	831.5	844	24	0	
10	QPSK	1	0	23.07	23.04	23.10			
10	QPSK	1	26	23.13	23.13	23.07			
10	QPSK	1	49	23.03	23.00	22.99	23	1	
10	QPSK	25	0	22.03	22.01	22.03			
10	QPSK	25	12	22.04	22.01	22.02			
10	QPSK	25	25	22.07	22.03	22.01			
10	QPSK	50	0	22.08	22.01	22.02	23	1	
10	16QAM	1	0	22.34	22.32	22.31			
10	16QAM	1	26	22.42	22.39	22.38			
10	16QAM	1	49	22.31	22.25	22.22			
10	16QAM	25	0	21.04	21.00	21.02	22	2	
10	16QAM	25	12	21.01	20.99	21.00			
10	16QAM	25	25	21.06	21.01	21.01			
10	16QAM	50	0	21.07	21.00	21.01			
10	64QAM	1	0	21.28	21.20	21.19	22	2	
10	64QAM	1	25	21.27	21.28	21.24			
10	64QAM	1	49	21.31	21.18	21.15			
10	64QAM	25	0	20.04	20.02	20.03			
10	64QAM	25	12	20.04	20.00	20.01	21	3	
10	64QAM	25	25	20.07	20.04	20.03			
10	64QAM	50	0	20.06	20.02	20.01			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24	0	
5	QPSK	1	0	23.02	22.97	22.98			
5	QPSK	1	12	23.08	23.07	22.98			
5	QPSK	1	24	23.01	23.02	22.96	23	1	
5	QPSK	12	0	22.04	22.02	22.03			
5	QPSK	12	7	22.05	22.07	22.01			
5	QPSK	12	13	22.03	22.00	21.95			
5	QPSK	25	0	22.08	22.05	22.02	23	1	
5	16QAM	1	0	22.35	22.21	22.28			
5	16QAM	1	12	22.37	22.28	22.28			
5	16QAM	1	24	22.25	22.27	22.20			
5	16QAM	12	0	21.06	21.00	21.03	22	2	
5	16QAM	12	7	21.07	21.02	21.00			
5	16QAM	12	13	21.04	21.06	20.95			
5	16QAM	25	0	21.09	21.02	21.02			
5	64QAM	1	0	21.20	21.13	21.17	22	2	
5	64QAM	1	12	21.25	21.24	21.17			
5	64QAM	1	24	21.17	21.17	21.12			
5	64QAM	12	0	20.09	20.03	20.06			
5	64QAM	12	7	20.08	20.05	20.02	21	3	
5	64QAM	12	13	20.06	20.04	19.99			
5	64QAM	25	0	20.04	20.02	20.00			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5	24	0	
3	QPSK	1	0	22.99	22.93	22.94			
3	QPSK	1	8	22.95	22.94	22.85			
3	QPSK	1	14	22.97	22.97	22.90	23	1	
3	QPSK	8	0	21.09	21.96	21.96			
3	QPSK	8	4	22.01	21.99	21.92			
3	QPSK	8	7	22.00	21.98	21.92			
3	QPSK	15	0	22.00	21.98	21.92	23	1	
3	16QAM	1	0	22.24	22.20	22.19			
3	16QAM	1	8	22.22	22.23	22.17			
3	16QAM								

Reduced Power for DSI 6

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.26	32.26	32.27	33.50		23.26	23.26	23.27	24.50
EDGE/GMSK 1 Tx slot	32.24	32.24	32.17	33.50		23.24	23.24	23.17	24.50
GPRS 1 Tx slots	30.68	30.69	30.59	32.00		24.68	24.69	24.59	26.00
GPRS 2 Tx slots	29.26	29.26	29.16	30.50		23.02	23.03	24.50	25.14
GPRS 3 Tx slots	26.69	26.69	26.65	28.00		23.69	23.69	23.65	28.00
GPRS 4 Tx slots	26.69	26.69	26.65	28.00		23.69	23.69	23.65	28.00
EDGE/GMSK 1 Tx slot	32.14	32.17	32.07	33.50		23.14	23.17	23.07	24.50
EDGE/GMSK 2 Tx slot	30.62	30.60	30.49	32.00		24.62	24.60	24.49	26.00
EDGE/GMSK 3 Tx slot	26.18	26.13	25.08	30.00		23.92	23.87	23.82	25.14
EDGE/GMSK 4 Tx slot	26.58	26.63	26.57	28.00		23.58	23.63	23.57	25.00
EDGE/PSK 1 Tx slot	26.57	26.56	26.57	28.00		17.57	17.59	17.57	19.50
EDGE/PSK 2 Tx slot	24.52	24.58	24.53	26.50		18.52	18.59	18.53	20.50
EDGE/PSK 3 Tx slot	22.52	22.66	22.55	24.50		18.26	18.40	18.29	20.24
EDGE/PSK 4 Tx slot	22.00	22.11	22.05	22.50		19.00	19.11	19.05	19.50

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	26.86	27.01	27.26	28.00		17.86	18.01	18.26	19.00
GPRS 1 Tx slot	26.83	26.94	27.25	28.00		17.83	17.94	18.25	19.00
GPRS 2 Tx slots	25.67	26.27	26.25	26.50		19.67	20.27	20.25	20.50
GPRS 3 Tx slots	23.92	24.20	24.32	24.50		19.66	19.74	20.06	20.24
GPRS 4 Tx slots	22.93	23.29	23.27	23.50		19.93	20.28	20.27	20.50
EDGE/GMSK 1 Tx slot	26.69	26.80	27.09	28.00		17.69	17.80	18.09	19.50
EDGE/GMSK 2 Tx slot	25.80	26.14	26.16	26.50		19.80	20.14	20.16	20.50
EDGE/GMSK 3 Tx slot	23.67	23.84	24.20	24.50		19.61	19.58	19.94	20.24
EDGE/GMSK 4 Tx slot	22.85	23.18	23.22	23.50		19.85	20.18	20.22	20.50
EDGE/PSK 1 Tx slot	21.63	21.77	21.71	22.00		12.63	12.77	12.71	14.00
EDGE/PSK 2 Tx slot	20.59	20.89	20.94	21.00		14.58	14.65	14.64	15.00
EDGE/PSK 3 Tx slot	18.52	18.61	18.54	19.00		14.26	14.35	14.28	14.74
EDGE/PSK 4 Tx slot	17.32	17.44	17.30	18.00		14.32	14.44	14.30	15.00

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	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.51	29.82	29.50	30.50		20.51	20.82	20.50	21.50
GPRS 1 Tx slot	29.49	29.79	29.48	30.50		20.49	20.79	20.48	21.50
GPRS 2 Tx slots	27.90	28.07	27.97	29.00		21.90	22.07	21.97	23.00
GPRS 3 Tx slots	26.30	26.57	26.28	27.50		22.04	22.31	22.02	22.14
GPRS 4 Tx slots	23.92	24.18	23.91	25.00		20.92	21.15	20.91	22.00
EDGE/GMSK 1 Tx slot	29.36	29.70	29.36	30.50		20.36	20.70	20.36	21.50
EDGE/GMSK 2 Tx slot	27.65	27.91	27.72	29.00		21.65	21.91	21.72	23.00
EDGE/GMSK 3 Tx slot	26.21	26.47	26.19	27.00		21.95	22.21	21.93	22.14
EDGE/GMSK 4 Tx slot	23.77	23.99	23.80	25.00		20.77	20.99	20.80	22.00
EDGE/PSK 1 Tx slot	25.88	25.84	25.89	27.50		16.88	16.84	16.89	16.50
EDGE/PSK 2 Tx slot	24.05	24.21	24.08	25.00		16.05	16.21	16.08	16.50
EDGE/PSK 3 Tx slot	22.24	22.32	22.17	23.50		17.98	18.06	17.91	19.24
EDGE/PSK 4 Tx slot	20.75	20.89	20.77	21.50		17.75	17.89	17.77	18.50

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	23.77	23.79	23.85	24.00		14.77	14.79	14.65	15.00
GPRS 1 Tx slot	23.75	23.78	23.63	24.00		14.75	14.78	14.63	15.00
GPRS 2 Tx slots	22.73	22.85	22.64	23.50		16.73	16.85	16.64	17.50
GPRS 3 Tx slots	20.72	20.84	20.63	21.50		16.48	16.58	16.37	17.24
GPRS 4 Tx slots	19.72	19.83	19.64	20.50		16.72	16.82	16.64	17.50
EDGE/GMSK 1 Tx slot	23.75	23.78	23.65	24.00		14.75	14.78	14.65	15.00
EDGE/GMSK 2 Tx slot	22.73	22.85	22.65	23.50		16.73	16.85	16.65	17.50
EDGE/GMSK 3 Tx slot	20.73	20.85	20.64	21.50		16.47	16.59	16.38	17.24
EDGE/GMSK 4 Tx slot	19.72	19.82	19.66	20.50		16.72	16.82	16.66	17.50
EDGE/PSK 1 Tx slot	19.96	20.20	20.29	21.00		10.96	11.20	11.29	12.00
EDGE/PSK 2 Tx slot	18.00	19.19	19.34	20.00		12.00	13.19	13.34	14.00
EDGE/PSK 3 Tx slot	16.76	17.16	17.23	18.00		12.50	12.90	12.97	13.74
EDGE/PSK 4 Tx slot	15.78	15.97	15.93	16.00		12.78	12.97	12.93	13.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA II_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		8662	8800	8938		8662	8800	8938	
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.55	23.57	23.50	24.50	16.80	16.77	16.72	17.50
3GPP Rel 99	RMC 12.2Kbps	23.57	23.58	23.53	24.50	16.82	16.83	16.76	17.50
3GPP Rel 6	HSDPA Subtest-1	22.51	22.76	22.79	24.50	15.77	15.93	15.87	17.50
3GPP Rel 6	HSDPA Subtest-2	22.83	22.72	22.81	24.50	15.74	15.58	15.50	17.50
3GPP Rel 6	HSDPA Subtest-3	22.06	22.28	22.30	24.00	15.29	15.45	15.47	17.00
3GPP Rel 6	HSDPA Subtest-4	22.08	22.21	22.25	24.00	15.29	15.40	15.41	17.00
3GPP Rel 8	DCHSDPA Subtest-1	22.85	22.83	22.74	24.50	15.64	15.80	15.82	17.50
3GPP Rel 8	DCHSDPA Subtest-2	22.59	22.61	22.67	24.50	15.70	15.89	15.75	17.50
3GPP Rel 8	DCHSDPA Subtest-3	22.24	22.16	22.27	24.00	15.21	15.36	15.33	17.00
3GPP Rel 8	DCHSDPA Subtest-4	22.06	22.11	22.20	24.00	15.15	15.29	15.34	17.00
3GPP Rel 6	HSUPA Subtest-1	22.58	22.72	22.79	24.00	15.55	15.68	15.65	17.50
3GPP Rel 6	HSUPA Subtest-2	21.52	21.72	21.81	22.50	14.76	14.97	14.93	15.50
3GPP Rel 6	HSUPA Subtest-3	22.54	22.73	22.81	23.50	15.77	15.97	15.95	16.50
3GPP Rel 6	HSUPA Subtest-4	21.06	21.22	21.28	22.50	14.26	14.51	14.47	15.50
3GPP Rel 6	HSUPA Subtest-5	22.50	22.70	22.80	24.50	15.76	15.94	15.94	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.47	21.58	21.66	22.50	14.69	14.76	14.77	15.50

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		1312	1413	1513		1312	1413	1513	
Rx Channel		1657	1658	1758		1657	1658	1758	
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.28	23.37	23.23	24.50	17.07	17.19	16.98	18.00
3GPP Rel 99	RMC 12.2Kbps	23.32	23.42	23.26	24.50	17.14	17.20	17.02	18.00
3GPP Rel 6	HSDPA Subtest-1	22.66	22.68	22.65	24.50	16.13	16.15	16.13	18.00
3GPP Rel 6	HSDPA Subtest-2	22.66	22.55	22.58	24.50	16.06	16.19	16.26	18.00
3GPP Rel 6	HSDPA Subtest-3	22.18	22.07	22.14	24.00	15.57	15.71	15.63	17.50
3GPP Rel 6	HSDPA Subtest-4	22.13	22.05	22.14	24.00	15.00	15.64	15.56	17.50
3GPP Rel 8	DCHSDPA Subtest-1	22.62	22.67	22.63	24.50	16.16	16.22	16.13	17.50
3GPP Rel 8	DCHSDPA Subtest-2	22.56	22.66	22.52	24.50	16.17	16.24	16.10	18.00
3GPP Rel 8	DCHSDPA Subtest-3	22.12	22.16	22.07	24.00	15.69	15.66	15.69	17.50
3GPP Rel 8	DCHSDPA Subtest-4	22.02	22.15	22.03	24.00	15.76	15.53	15.68	17.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.34	22.31	24.50	16.05	16.10	16.11	18.00
3GPP Rel 6	HSUPA Subtest-2	21.37	21.44	21.31	22.50	15.11	15.23	15.03	16.00
3GPP Rel 6	HSUPA Subtest-3	22.39	22.48	22.36	23.50	16.18	16.23	16.00	17.00
3GPP Rel 6	HSUPA Subtest-4	20.89	20.93	20.90	22.50	14.63	14.69	14.54	16.00
3GPP Rel 6	HSUPA Subtest-5	22.55	22.56	22.53	24.50	16.13	16.13	16.08	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.21	21.29	21.25	22.50	14.94	15.12	14.96	16.00

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
Rx Channel		4132	4182	4232		4132	4182	4232	
Frequency (MHz)		4367	4407	4456	4367	4407	4456		
		636.4	636.4	646.6	636.4	636.4	646.6		
ISPP Ref 00	AKM 12.3Kbps	23.66	23.65	23.56	24.50	19.85	19.84	19.83	21.60
ISPP Ref 01	ISPPA_Subject.1	23.67	23.66	23.57	24.50	19.86	19.87	19.88	21.60
ISPP Ref 02	ISPPA_Subject.1	22.52	22.54	22.51	24.50	19.15	19.07	19.04	21.60
ISPP Ref 03	ISPPA_Subject.1	22.55	22.52	22.51	24.50	19.14	19.12	19.08	21.60
ISPP Ref 04	ISPPA_Subject.3	22.11	22.05	22.03	23.50	18.73	18.67	18.63	20.50
ISPP Ref 05	ISPPA_Subject.4	22.08	22.01	22.02	23.50	18.67	18.64	18.59	20.50
ISPP Ref 06	DC-ISPPA_Subject.1	22.67	22.65	22.57	24.50	19.24	19.14	19.14	21.60
ISPP Ref 07	DC-ISPPA_Subject.1	22.65	22.57	22.55	24.50	19.25	19.23	19.17	21.60
ISPP Ref 08	DC-ISPPA_Subject.3	22.05	21.90	21.95	23.50	18.68	18.63	18.44	20.50
ISPP Ref 09	DC-ISPPA_Subject.4	22.02	21.90	21.96	23.50	18.46	18.51	18.62	20.50
ISPP Ref 10	ISPPA_Subject.2	22.80	22.78	22.37	24.50	19.59	19.55	19.07	21.60
ISPP Ref 11	ISPPA_Subject.2	21.49	21.50	21.45	23.50	17.65	17.57	17.61	20.50
ISPP Ref 12	ISPPA_Subject.4	20.50	22.47	22.46	23.50	18.61	18.62	18.57	20.50
ISPP Ref 13	ISPPA_Subject.4	20.98	20.98	20.96	22.50	17.13	17.15	17.17	19.00
ISPP Ref 14	ISPPA_Subject.5	22.57	22.58	22.35	24.50	19.13	19.21	19.16	21.60
ISPP Ref 15	ISPPA (10QAM)	21.35	21.38	21.35	22.50	17.49	17.54	17.54	19.00

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	22	0		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	20.76	20.82	20.75				
10	QPSK	1	25	20.81	20.86	20.80	22	0		
10	QPSK	1	49	20.79	20.81	20.75				
10	QPSK	25	0	20.82	20.85	20.84				
10	QPSK	25	12	20.81	20.82	20.80	22	0		
10	QPSK	25	25	20.78	20.84	20.82				
10	QPSK	50	0	20.77	20.81	20.74				
10	16QAM	1	0	20.71	20.79	20.70	22	0		
10	16QAM	1	25	20.77	20.82	20.77				
10	16QAM	1	49	20.77	20.80	20.73				
10	16QAM	25	0	20.75	20.76	20.70	22	0		
10	16QAM	25	12	20.76	20.85	20.73				
10	16QAM	50	0	20.77	20.76	20.71				
10	16QAM	50	0	20.75	20.80	20.82	22	0		
10	64QAM	1	0	20.80	20.76	20.73				
10	64QAM	1	25	20.73	20.80	20.77				
10	64QAM	1	49	20.73	20.77	20.69	21.5	0.5		
10	64QAM	25	0	19.77	19.81	19.80				
10	64QAM	25	12	19.72	19.80	19.79				
10	64QAM	25	25	19.76	19.79	19.73	21.5	0.5		
10	64QAM	50	0	19.70	19.79	19.75				
Channel				20450	20525	20625				
Frequency (MHz)				829.5	836.5	846.5	22	0		
5	QPSK	1	0	20.75	20.75	20.71				
5	QPSK	1	12	20.78	20.84	20.77	22	0		
5	QPSK	1	24	20.73	20.79	20.73				
5	QPSK	12	0	20.81	20.84	20.79	22	0		
5	QPSK	12	7	20.77	20.79	20.79				
5	QPSK	12	13	20.73	20.79	20.77				
5	QPSK	25	0	20.71	20.75	20.72	22	0		
5	16QAM	1	0	20.65	20.78	20.64				
5	16QAM	1	12	20.71	20.81	20.70				
5	16QAM	1	24	20.71	20.75	20.68	22	0		
5	16QAM	12	0	20.73	20.73	20.69				
5	16QAM	12	7	20.70	20.79	20.71				
5	16QAM	12	13	20.71	20.72	20.69	22	0		
5	16QAM	25	0	20.71	20.75	20.77				
5	64QAM	1	0	20.74	20.72	20.70				
5	64QAM	1	12	20.70	20.77	20.79	22	0		
5	64QAM	1	24	20.67	20.76	20.64				
5	64QAM	12	0	19.74	19.78	19.77				
5	64QAM	12	7	19.69	19.74	19.74	21.5	0.5		
5	64QAM	12	13	19.74	19.77	19.66				
5	64QAM	25	0	19.67	19.72	19.77				
Channel				20415	20525	20635	22	0		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	20.72	20.77	20.70	22	0		
3	QPSK	1	8	20.76	20.81	20.75				
3	QPSK	1	14	20.75	20.85	20.71				
3	QPSK	8	0	20.80	20.78	20.79	22	0		
3	QPSK	8	4	20.76	20.78	20.74				
3	QPSK	8	7	20.77	20.83	20.76				
3	QPSK	15	0	20.72	20.74	20.70	22	0		
3	16QAM	1	0	20.67	20.72	20.63				
3	16QAM	1	8	20.74	20.81	20.73				
3	16QAM	1	14	20.70	20.74	20.69	22	0		
3	16QAM	8	0	20.68	20.71	20.69				
3	16QAM	8	4	20.74	20.80	20.67				
3	16QAM	8	7	20.74	20.72	20.66	22	0		
3	16QAM	15	0	20.74	20.76	20.75				
3	64QAM	1	0	20.77	20.71	20.69				
3	64QAM	1	8	20.67	20.74	20.75	22	0		
3	64QAM	1	14	20.66	20.76	20.82				
3	64QAM	8	0	19.75	19.78	19.79				
3	64QAM	8	4	19.69	19.75	19.78	21.5	0.5		
3	64QAM	8	7	19.74	19.72	19.69				
3	64QAM	15	0	19.64	19.77	19.76				
Channel				20407	20525	20643	22	0		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	20.74	20.80	20.72	22	0		
1.4	QPSK	1	3	20.80	20.85	20.76				
1.4	QPSK	1	5	20.77	20.78	20.74				
1.4	QPSK	3	0	20.79	20.78	20.77	22	0		
1.4	QPSK	3	1	20.74	20.77	20.74				
1.4	QPSK	3	3	20.77	20.78	20.69				
1.4	QPSK	6	0	20.73	20.75	20.80	22	0		
1.4	16QAM	1	0	20.64	20.76	20.68				
1.4	16QAM	1	3	20.76	20.81	20.72				
1.4	16QAM	1	5	20.74	20.73	20.69	22	0		
1.4	16QAM	3	0	20.70	20.70	20.68				
1.4	16QAM	3	1	20.74	20.84	20.77				
1.4	16QAM	3	3	20.70	20.73	20.66	22	0		
1.4	16QAM	6	0	20.73	20.76	20.77				
1.4	64QAM	1	0	20.75	20.71	20.69				
1.4	64QAM	1	3	20.71	20.77	20.73	22	0		
1.4	64QAM	1	5	20.66	20.72	20.66				
1.4	64QAM	3	0	20.70	20.65	20.62				
1.4	64QAM	3	1	20.65	20.75	20.71	21.5	0.5		
1.4	64QAM	3	3	20.65	20.67	20.62				
1.4	64QAM	6	0	19.66	19.77	19.74				

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	23.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.65	22.66	22.56				
20	QPSK	1	49	22.69	22.78	22.62	23	0.5		
20	QPSK	1	99	22.62	22.57	22.58				
20	QPSK	50	0	22.23	22.17	22.11				
20	QPSK	50	24	22.26	22.27	22.12	22	1.5		
20	QPSK	50	50	22.18	22.08	22.07				
20	QPSK	100	0	22.19	22.40	22.09				
20	16QAM	1	0	22.18	22.22	22.17	23	0.5		
20	16QAM	1	49	22.24	22.33	22.31				
20	16QAM	1	99	22.19	22.36	22.25				
20	16QAM	50	0	20.97	21.01	20.99	22	1.5		
20	16QAM	50	24	21.01	21.07	21.04				
20	16QAM	50	50	20.98	21.04	21.13				
20	16QAM	100	0	20.99	21.04	21.05	22	1.5		
20	64QAM	1	0	21.14	21.09	21.07				
20	64QAM	1	49	21.15	21.22	21.20				
20	64QAM	1	99	21.10	21.20	21.39	21	2.5		
20	64QAM	50	0	19.98	20.01	19.98				
20	64QAM	50	24	20.02	20.05	20.03				
20	64QAM	50	50	19.96	20.06	20.11	20			
20	64QAM	100	0	19.97	20.05	20.05	20			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2562.5	23.5	0		
15	QPSK	1	0	22.50	22.55	22.52				
15	QPSK	1	37	22.57	22.58	22.85				
15	QPSK	1	74	22.46	22.53	22.68	23	0.5		
15	QPSK	36	0	22.02	22.05	22.05				
15	QPSK	36	20	22.02	22.07	22.14				
15	QPSK	36	39	22.06	22.08	22.18	23	0.5		
15	QPSK	75	0	22.03	22.07	22.12				
15	16QAM	1	0	22.27	22.29	22.27				
15	16QAM	1	37	22.27	22.39	22.40	23	0.5		
15	16QAM	1	74	22.25	22.38	22.20				
15	16QAM	36	0	21.04	21.04	21.08				
15	16QAM	36	20	21.03	21.06	21.12	22	1.5		
15	16QAM	36	39	21.04	21.08	21.18				
15	16QAM	75	0	21.04	21.10	21.14				
15	64QAM	1	0	21.21	21.21	21.15	22	1.5		
15	64QAM	1	37	21.24	21.30	21.34				
15	64QAM	1	74	21.16	21.27	21.38				
15	64QAM	36	0	20.07	20.08	20.09	21	2.5		
15	64QAM	36	20	20.05	20.09	20.15				
15	64QAM	36	39	20.07	20.07	20.20				
15	64QAM	75	0	20.03	20.09	20.15	20			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565	23.5	0		
10	QPSK	1	0	22.65	22.54	22.61				
10	QPSK	1	25	22.56	22.53	22.85				
10	QPSK	1	49	22.50	22.58	22.56	23	0.5		
10	QPSK	25	0	22.06	22.07	22.13				
10	QPSK	25	12	22.06	22.08	22.15				
10	QPSK	25	25	22.08	22.09	22.20	23	0.5		
10	QPSK	50	0	22.08	22.07	22.16				
10	16QAM	1	0	22.38	22.33	22.35				
10	16QAM	1	25	22.28	22.35	22.36	23	0.5		
10	16QAM	1	49	22.31	22.22	22.32				
10	16QAM	25	0	21.07	21.07	21.14				
10	16QAM	25	12	21.07	21.07	21.16	22	1.5		
10	16QAM	25	25	21.09	21.09	21.12				
10	16QAM	50	0	21.09	21.09	21.16				
10	64QAM	1	0	21.26	21.26	21.32	22	1.5		
10	64QAM	1	25	21.19	21.27	21.32				
10	64QAM	1	49	21.25	21.29	21.24				
10	64QAM	25	0	20.08	20.07	20.12	21	2.5		
10	64QAM	25	12	20.06	20.06	20.14				
10	64QAM	25	25	20.07	20.06	20.22				
10	64QAM	50	0	20.07	20.10	20.16	20			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5	23.5	0		
5	QPSK	1	0	22.62	22.62	22.61				
5	QPSK	1	12	22.61	22.58	22.55				
5	QPSK	1	24	22.64	22.42	22.47	23	0.5		
5	QPSK	12	0	22.21	22.15	22.27				
5	QPSK	12	7	22.18	22.16	22.30				
5	QPSK	12	13	22.18	22.15	22.33	23	0.5		
5	QPSK	25	0	22.17	22.16	22.32				
5	16QAM	1	0	22.22	22.21	22.24				
5	16QAM	1	12	22.23	22.22	22.31	23	0.5		
5	16QAM	1	24	22.09	22.24	22.26				
5	16QAM	12	0	21.24	21.19	21.28				
5	16QAM	12	7	21.19	21.17	21.30	22	1.5		
5	16QAM	12	13	21.19	21.15	21.31				
5	16QAM	25	0	21.18	21.17	21.30				
5	64QAM	1	0	21.40	21.31	21.39	22	1.5		
5	64QAM	1	12	21.33	21.37	21.31				
5	64QAM	1	24	21.31	21.32	21.36				
5	64QAM	12	0	20.23	20.23	20.30	21	2.5		
5	64QAM	12	7	20.21	20.24	20.33				
5	64QAM	12	13	20.19	20.20	20.33				
5	64QAM	25	0	20.18	20.18	20.29	20			

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				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.21	23.23	23.24	24.5	0	
10	QPSK	1	25	23.30	23.35	23.25			
10	QPSK	1	49	23.28	23.27	23.20			
10	QPSK	25	0	21.77	21.77	21.76	23.5	1	
10	QPSK	25	12	21.78	21.82	21.78			
10	QPSK	25	25	21.72	21.75	21.75			
10	QPSK	50	0	21.76	21.79	21.78	23.5	1	
10	16QAM	1	0	21.87	22.07	21.91			
10	16QAM	1	25	21.91	22.13	22.00			
10	16QAM	1	49	22.06	22.10	22.03	22.5	2	
10	16QAM	25	0	20.70	20.77	20.67			
10	16QAM	25	12	20.72	20.75	20.70			
10	16QAM	25	25	20.67	20.73	20.67	22.5	2	
10	16QAM	50	0	20.69	20.76	20.68			
10	64QAM	1	0	20.80	20.96	20.78			
10	64QAM	1	25	20.88	20.97	20.85	21.5	3	
10	64QAM	1	49	20.93	20.94	20.87			
10	64QAM	25	0	19.67	19.78	19.66			
10	64QAM	25	12	19.71	19.80	19.69	21.5	3	
10	64QAM	25	25	19.68	19.75	19.66			
10	64QAM	50	0	19.68	19.76	19.66			
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709.5	710	710.5			
5	QPSK	1	0	23.18	23.17	23.16			
5	QPSK	1	12	23.22	23.30	23.29			
5	QPSK	1	24	23.17	23.15	23.26	23.5	1	
5	QPSK	12	0	21.69	21.66	21.65			
5	QPSK	12	7	21.68	21.68	21.70			
5	QPSK	12	13	21.68	21.66	21.70	23.5	1	
5	QPSK	25	0	21.70	21.69	21.73			
5	16QAM	1	0	21.90	21.85	21.84			
5	16QAM	1	12	21.94	22.03	22.05	22.5	1	
5	16QAM	1	24	21.88	21.91	21.96			
5	16QAM	12	0	20.71	20.71	20.71			
5	16QAM	12	7	20.71	20.69	20.71	22.5	2	
5	16QAM	12	13	20.72	20.67	20.67			
5	16QAM	25	0	20.72	20.69	20.67			
5	64QAM	1	0	20.80	20.88	20.91	22.5	2	
5	64QAM	1	12	20.83	20.91	20.93			
5	64QAM	1	24	20.91	20.86	20.85			
5	64QAM	12	0	19.72	19.72	19.76	21.5	3	
5	64QAM	12	7	19.75	19.72	19.74			
5	64QAM	12	13	19.75	19.72	19.71			
5	64QAM	25	0	19.69	19.66	19.66			

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	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.35	23.24	23.23			
15	QPSK	1	37	23.38	23.39	23.26	23	1	
15	QPSK	1	74	23.33	23.16	23.15			
15	QPSK	36	0	22.23	22.19	22.18			
15	QPSK	36	20	22.26	22.27	22.21	23	1	
15	QPSK	36	39	22.24	22.22	22.20			
15	QPSK	75	0	22.25	22.28	22.17			
15	16QAM	1	0	22.37	22.30	22.31	23	1	
15	16QAM	1	37	22.30	22.37	22.33			
15	16QAM	1	74	22.39	22.24	22.20			
15	16QAM	36	0	21.06	21.04	21.07	22	2	
15	16QAM	36	20	21.04	21.03	21.04			
15	16QAM	36	39	21.08	21.02	21.00			
15	16QAM	75	0	21.10	21.03	21.05	22	2	
15	64QAM	1	0	21.23	21.18	21.26			
15	64QAM	1	37	21.21	21.29	21.24			
15	64QAM	1	74	21.29	21.18	21.17	21	3	
15	64QAM	36	0	20.06	20.05	20.06			
15	64QAM	36	20	20.04	20.02	20.03			
15	64QAM	36	39	20.05	20.02	19.99	21	3	
15	64QAM	75	0	20.09	20.02	20.04			
Channel				26760	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24	0	
10	QPSK	1	0	23.07	23.04	23.10			
10	QPSK	1	25	23.13	23.13	23.07			
10	QPSK	1	49	23.03	23.00	22.99	23	1	
10	QPSK	25	0	22.03	22.01	22.01			
10	QPSK	25	25	22.07	22.03	22.02			
10	QPSK	50	0	22.08	22.01	22.01	23	1	
10	16QAM	1	0	22.34	22.32	22.31			
10	16QAM	1	25	22.42	22.39	22.38			
10	16QAM	1	49	22.31	22.25	22.22	22	2	
10	16QAM	25	0	21.04	21.00	21.02			
10	16QAM	25	12	21.01	20.99	21.00			
10	16QAM	25	25	21.06	21.01	21.01	22	2	
10	16QAM	50	0	21.07	21.00	21.01			
10	64QAM	1	0	21.28	21.20	21.19			
10	64QAM	1	25	21.27	21.28	21.24	22	2	
10	64QAM	1	49	21.21	21.19	21.15			
10	64QAM	25	0	20.04	20.02	20.03			
10	64QAM	25	12	20.04	20.00	20.01	21	3	
10	64QAM	25	25	20.07	20.04	20.03			
10	64QAM	50	0	20.06	20.02	20.01			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24	0	
5	QPSK	1	0	23.02	22.97	22.98			
5	QPSK	1	12	23.08	23.07	22.98			
5	QPSK	1	24	23.01	23.02	22.96	23	1	
5	QPSK	12	0	22.04	22.02	22.03			
5	QPSK	12	7	22.05	22.02	22.01			
5	QPSK	12	13	22.03	22.00	21.95	23	1	
5	QPSK	25	0	22.08	22.05	22.02			
5	16QAM	1	0	22.35	22.21	22.28			
5	16QAM	1	12	22.37	22.28	22.28	23	1	
5	16QAM	1	24	22.25	22.27	22.20			
5	16QAM	12	0	21.06	21.00	21.03			
5	16QAM	12	7	21.07	21.02	21.00	22	2	
5	16QAM	12	13	21.04	21.00	20.95			
5	16QAM	25	0	21.09	21.02	21.02			
5	64QAM	1	0	21.20	21.13	21.17	22	2	
5	64QAM	1	12	21.25	21.24	21.17			
5	64QAM	1	24	21.17	21.17	21.12			
5	64QAM	12	0	20.09	20.03	20.06	21	3	
5	64QAM	12	7	20.08	20.05	20.02			
5	64QAM	12	13	20.06	20.04	19.99			
5	64QAM	25	0	20.04	20.02	20.00			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5	24	0	
3	QPSK	1	0	22.99	22.93	22.94			
3	QPSK	1	8	22.95	22.94	22.85			
3	QPSK	1	14	22.97	22.97	22.90	23	1	
3	QPSK	8	0	21.99	21.96	21.96			
3	QPSK	8	4	22.01	21.99	21.92			
3	QPSK	8	7	22.00	21.98	21.92	23	1	
3	QPSK	15	0	22.00	21.98	21.92			
3	16QAM	1	0	22.24	22.20	22.19	23	1	
3	16QAM	1	8	22.22	22.23	22.17			
3	16QAM	1	14	22.27	22.23	22.20			
3	16QAM	8	0	21.08	21.01	21.00	22	2	
3	16QAM	8	4	21.04	21.02	20.98			
3	16QAM	8	12	21.05	21.02	20.95			
3	16QAM	15	0	21.05	20.98	20.95	22	2	
3	64QAM	1	0	21.15	21.12	21.08			
3	64QAM	1	8	21.11	21.12	21.05			
3	64QAM	1	14	21.14	21.14	21.11	21	3	
3	64QAM	8	0	20.03	20.00	19.99			
3	64QAM	8	4	20.04	20.00	19.94			
3	64QAM	8	7	20.02	20.04	19.96	21	3	
3	64QAM	15	0	19.99	19.99	19.95			
Channel				26670	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.7	831.5	846.5	24	0	
1.4	QPSK	1	0	23.05	23.03	22.98			
1.4	QPSK	1	3	23.03	23.00	22.90			
1.4	QPSK	1	5	23.01	23.01	22.94	23	1	
1.4	QPSK	3	0	23.03	23.03	22.98			
1.4	QPSK	3	3	23.03	23.00	22.95			
1.4	QPSK	6	0	22.03	21.98	21.94	23	1	
1.4	16QAM	1	0	22.27	22.28	22.17			
1.4	16QAM	1	3	22.28	22.28	22.15			
1.4	16QAM	1	5	22.25	22.22	22.20	23	1	
1.4	16QAM	3	0	22.01	21.97	21.90			
1.4	16QAM	3	1	22.02	21.99	21.92			
1.4	16QAM	3	3	22.00	21.99	21.92	22	2	
1.4	64QAM	1	0	21.17	21.17	21.12			
1.4	64QAM	1	3	21.18	21.18	21.07			
1.4	64QAM	1	5	21.17	21.20	21.12	22	2	
1.4	64QAM	3	0	21.10	21.10	21.03			
1.4	64QAM	3	1	21.11	21.07	20.99			
1.4	64QAM	3	3	21.13	21.12	21.05	21	3	
1.4	64QAM	6	0	20.03	19.96	19.90			
1.4	64QAM	6	0	20.03	19.96	19.90			

Band 66_Ant 0													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)					
Channel				130702	132322	132572							
Frequency (MHz)				1720	1745	1770							
20	QPSK	1	0	23.08	23.05	22.98	24	0					
20	QPSK	1	49	23.14	23.18	23.10							
20	QPSK	1	99	23.09	23.12	23.02							
20	QPSK	50	0	22.09	22.13	22.10	23	1					
20	QPSK	50	24	22.14	22.20	22.14							
20	QPSK	50	50	22.12	22.17	22.09							
20	QPSK	100	0	22.15	22.16	22.12	23	1					
20	16QAM	1	0	21.94	21.98	22.12							
20	16QAM	1	49	22.00	22.01	22.13							
20	16QAM	1	99	21.86	21.97	21.94	22	2					
20	16QAM	50	0	20.71	20.77	20.87							
20	16QAM	50	24	20.71	20.77	20.78							
20	16QAM	50	50	20.70	20.73	20.70	22	2					
20	16QAM	100	0	20.73	20.74	20.79							
20	64QAM	1	0	20.86	20.88	21.00							
20	64QAM	1	49	20.89	20.90	21.03	22	2					
20	64QAM	1	99	20.84	20.86	20.84							
20	64QAM	50	0	19.67	19.73	19.82							
20	64QAM	50	24	19.69	19.73	19.82	21	3					
20	64QAM	50	50	19.68	19.69	19.70							
20	64QAM	100	0	19.72	19.73	19.77							
Channel				130702	132322	132572	Time-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1712.5	1745	1772.5							
16	QPSK	1	0	22.95	22.97	23.03	24	0					
16	QPSK	1	37	23.11	23.06	23.12							
16	QPSK	1	74	22.92	22.92	22.67							
16	QPSK	36	0	21.92	21.96	22.08	23	1					
16	QPSK	36	20	21.90	21.96	22.02							
16	QPSK	36	39	21.90	21.94	21.91							
16	QPSK	75	0	21.89	21.97	21.99	23	1					
16	16QAM	1	0	22.14	22.05	22.12							
16	16QAM	1	37	22.10	22.06	22.09							
16	16QAM	1	74	22.16	22.02	21.93	22	2					
16	16QAM	36	0	20.89	20.94	21.07							
16	16QAM	36	20	20.89	20.95	21.00							
16	16QAM	36	39	20.88	20.94	20.91	22	2					
16	16QAM	75	0	20.89	20.96	21.01							
16	64QAM	1	0	21.02	21.07	21.08							
16	64QAM	1	37	21.08	21.14	21.11	22	2					
16	64QAM	1	74	21.03	21.13	21.04							
16	64QAM	36	0	19.88	19.95	20.09							
16	64QAM	36	20	19.89	19.95	20.03	21	3					
16	64QAM	36	39	19.89	19.95	19.94							
16	64QAM	75	0	19.86	19.95	19.99							
Channel				132022	132322	132622	Time-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1715	1745	1775							
10	QPSK	1	0	23.03	23.07	23.11	24	0					
10	QPSK	1	25	23.02	23.04	22.82							
10	QPSK	1	49	22.99	23.01	22.53							
10	QPSK	25	0	21.97	22.02	22.07	23	1					
10	QPSK	25	13	21.96	22.01	22.00							
10	QPSK	25	25	21.94	22.00	21.98							
10	QPSK	50	0	21.95	22.04	22.02	23	1					
10	16QAM	1	0	22.17	22.06	22.16							
10	16QAM	1	25	22.13	22.04	22.07							
10	16QAM	1	49	22.13	22.13	22.00	22	2					
10	16QAM	25	0	20.95	20.81	20.87							
10	16QAM	25	12	20.95	20.80	20.78							
10	16QAM	25	25	20.92	20.76	20.77	22	2					
10	16QAM	50	0	20.95	20.82	20.91							
10	64QAM	1	0	21.12	20.98	21.09							
10	64QAM	1	25	21.09	21.16	21.11	22	2					
10	64QAM	1	49	21.06	21.17	21.17							
10	64QAM	25	0	19.93	19.99	20.04							
10	64QAM	25	12	19.91	19.99	19.96	21	3					
10	64QAM	25	25	19.90	19.97	19.97							
10	64QAM	50	0	19.91	20.00	20.00							
Channel				131997	132322	132647	Time-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1715.5	1745.5	1775.5							
5	QPSK	1	0	23.04	23.05	23.02	24	0					
5	QPSK	1	12	23.06	23.04	22.72							
5	QPSK	1	24	23.03	23.02	22.58							
5	QPSK	12	0	22.00	22.06	22.01	23	1					
5	QPSK	12	7	21.98	22.04	22.02							
5	QPSK	12	13	21.98	22.03	21.98							
5	QPSK	25	0	22.01	22.05	22.04	23	1					
5	16QAM	1	0	22.19	22.04	22.20							
5	16QAM	1	12	22.20	22.10	22.07							
5	16QAM	1	24	22.15	22.09	22.01	22	2					
5	16QAM	12	0	20.99	20.84	20.82							
5	16QAM	12	7	20.97	21.03	21.02							
5	16QAM	12	13	20.97	21.03	20.99	22	2					
5	16QAM	25	0	20.88	21.04	21.03							
5	64QAM	1	0	21.12	21.18	21.16							
5	64QAM	1	12	21.14	21.17	21.17	22	2					
5	64QAM	1	24	21.09	21.16	21.20							
5	64QAM	12	0	20.00	20.05	20.06							
5	64QAM	12	7	19.97	20.05	20.06	21	3					
5	64QAM	12	13	19.97	20.05	20.02							
5	64QAM	25	0	19.95	20.01	20.03							
Channel				131987	132322	132657	Time-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1711.5	1745	1778.5							
3	QPSK	1	0	22.96	23.00	22.86	24	0					
3	QPSK	1	8	22.92	22.92	22.62							
3	QPSK	1	14	22.99	22.95	22.59							
3	QPSK	8	0	21.97	22.02	21.99	23	1					
3	QPSK	8	4	21.96	22.02	21.98							
3	QPSK	8	7	21.94	22.03	21.95							
3	QPSK	15	0	21.94	21.97	21.96	23	1					
3	16QAM	1	0	22.11	22.15	22.18							
3	16QAM	1	8	22.17	22.20	22.02							
3	16QAM	1	14	22.14	22.20	22.20	22	2					
3	16QAM	8	0	21.03	21.08	21.04							
3	16QAM	8	4	21.06	21.06	21.01							
3	16QAM	8	7	21.03	21.05	21.07	22	2					
3	16QAM	15	0	20.99	21.01	21.01							
3	64QAM	1	0	21.11	21.18	21.14							
3	64QAM	1	8	21.11	21.02	21.20	22	2					
3	64QAM	1	14	21.07	21.01	21.16							
3	64QAM	8	0	19.99	20.07	20.06							
3	64QAM	8	4	19.99	20.05	20.02	21	3					
3	64QAM	8	7	19.99	20.06	19.99							
3	64QAM	15	0	19.95	19.98	19.97							

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	23.35	23.25	23.25	24	0	
20	QPSK	1	49	23.35	23.28	23.28			
20	QPSK	1	99	23.20	23.18	22.90			
20	QPSK	50	0	22.31	22.23	22.27	23	1	
20	QPSK	50	24	22.33	22.34	22.32			
20	QPSK	50	50	22.27	22.22	22.26			
20	QPSK	100	0	22.29	22.25	22.28	23	1	
20	16QAM	1	0	22.26	22.27	22.53			
20	16QAM	1	49	22.45	22.51	22.51			
20	16QAM	1	99	22.40	22.42	22.38	22	2	
20	16QAM	50	0	21.29	21.36	21.36			
20	16QAM	50	24	21.39	21.36	21.37			
20	16QAM	50	50	21.40	21.39	21.35	22	2	
20	16QAM	100	0	21.33	21.39	21.41			
20	64QAM	1	0	20.99	21.11	21.08			
20	64QAM	1	49	21.16	21.20	21.19	21	2	
20	64QAM	1	99	21.13	21.12	21.08			
20	64QAM	50	0	20.27	20.31	20.32			
20	64QAM	50	24	20.35	20.35	20.38	21	3	
20	64QAM	50	50	20.35	20.36	20.32			
20	64QAM	100	0	20.31	20.37	20.38			
Channel				37825	38030	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.22	23.28	23.14	24	0	
15	QPSK	1	37	23.37	23.35	23.11			
15	QPSK	1	74	23.35	23.22	23.02			
15	QPSK	36	0	22.28	22.28	22.23	23	1	
15	QPSK	36	20	22.32	22.25	22.24			
15	QPSK	36	39	22.33	22.30	22.23			
15	QPSK	75	0	22.29	22.27	22.26	23	1	
15	16QAM	1	0	22.26	22.35	22.25			
15	16QAM	1	37	22.42	22.43	22.30			
15	16QAM	1	74	22.46	22.42	22.29	23	1	
15	16QAM	36	0	21.31	21.29	21.25			
15	16QAM	36	20	21.37	21.32	21.28			
15	16QAM	36	39	21.39	21.33	21.29	22	2	
15	16QAM	75	0	21.41	21.38	21.35			
15	64QAM	1	0	21.11	21.16	21.04			
15	64QAM	1	37	21.23	21.23	21.07	22	2	
15	64QAM	1	74	21.28	21.22	21.09			
15	64QAM	36	0	20.32	20.31	20.30			
15	64QAM	36	20	20.35	20.32	20.30	21	3	
15	64QAM	36	39	20.40	20.35	20.30			
15	64QAM	75	0	20.38	20.36	20.34			
Channel				37800	38050	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.28	23.17	22.83	24	0	
10	QPSK	1	25	23.31	23.29	23.03			
10	QPSK	1	49	23.26	23.12	22.90			
10	QPSK	25	0	22.38	22.37	22.32	23	1	
10	QPSK	25	12	22.40	22.39	22.33			
10	QPSK	25	25	22.44	22.40	22.33			
10	QPSK	50	0	22.39	22.39	22.32	23	1	
10	16QAM	1	0	22.50	22.39	22.40			
10	16QAM	1	25	22.46	22.50	22.36			
10	16QAM	1	49	22.55	22.46	22.39	23	1	
10	16QAM	25	0	21.38	21.38	21.33			
10	16QAM	25	12	21.39	21.38	21.35			
10	16QAM	25	25	21.44	21.38	21.36	22	2	
10	16QAM	50	0	21.42	21.38	21.33			
10	64QAM	1	0	21.18	21.10	21.12			
10	64QAM	1	25	21.15	21.22	21.10	22	2	
10	64QAM	1	49	21.26	21.18	21.10			
10	64QAM	25	0	20.38	20.40	20.35			
10	64QAM	25	12	20.41	20.38	20.34	21	3	
10	64QAM	25	25	20.47	20.41	20.35			
10	64QAM	50	0	20.36	20.36	20.30			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.32	23.36	23.29	24	0	
5	QPSK	1	12	23.36	23.36	23.08			
5	QPSK	1	24	23.35	23.25	22.98			
5	QPSK	12	0	22.40	22.40	22.38	23	1	
5	QPSK	12	7	22.35	22.42	22.37			
5	QPSK	12	13	22.35	22.42	22.36			
5	QPSK	25	0	22.40	22.44	22.36	23	1	
5	16QAM	1	0	22.50	22.45	22.41			
5	16QAM	1	12	22.43	22.55	22.44			
5	16QAM	1	24	22.48	22.50	22.42	23	1	
5	16QAM	12	0	21.36	21.37	21.34			
5	16QAM	12	7	21.33	21.37	21.32			
5	16QAM	12	13	21.33	21.36	21.33	22	2	
5	16QAM	25	0	21.42	21.44	21.41			
5	64QAM	1	0	21.23	21.16	21.12			
5	64QAM	1	12	21.18	21.23	21.08	22	2	
5	64QAM	1	24	21.17	21.19	21.12			
5	64QAM	12	0	20.37	20.41	20.35			
5	64QAM	12	7	20.34	20.40	20.35	21	3	
5	64QAM	12	13	20.33	20.40	20.34			
5	64QAM	25	0	20.41	20.44	20.38			

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	16.20	16.23	16.18	17	0	
20	QPSK	1	49	16.21	16.27	16.24			
20	QPSK	1	99	16.06	16.11	16.05			
20	QPSK	50	0	16.16	16.20	16.19	17	0	
20	QPSK	50	24	16.22	16.26	16.22			
20	QPSK	50	50	16.11	16.17	16.14			
20	QPSK	100	0	16.14	16.21	16.19	17	0	
20	16QAM	1	0	16.14	16.19	16.15			
20	16QAM	1	49	16.14	16.20	16.20			
20	16QAM	1	99	15.99	16.06	16.04	17	0	
20	16QAM	50	0	16.12	16.15	16.13			
20	16QAM	50	24	16.20	16.21	16.17			
20	16QAM	50	50	16.07	16.14	16.12	17	0	
20	16QAM	100	0	16.10	16.17	16.17			
20	64QAM	1	0	16.16	16.20	16.12			
20	64QAM	1	49	16.15	16.25	16.21	17	0	
20	64QAM	1	99	15.99	16.07	16.00			
20	64QAM	50	0	16.09	16.17	16.12			
20	64QAM	50	24	16.17	16.24	16.19	17	0	
20	64QAM	50	50	16.05	16.11	16.07			
20	64QAM	100	0	16.11	16.14	16.14			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	16.03	16.18	16.15	17	0	
15	QPSK	1	37	16.20	16.22	16.21			
15	QPSK	1	74	16.02	16.10	16.00			
15	QPSK	36	0	16.14	16.19	16.14	17	0	
15	QPSK	36	20	16.17	16.24	16.18			
15	QPSK	36	39	16.06	16.11	16.10			
15	QPSK	75	0	16.13	16.14	16.15	17	0	
15	16QAM	1	0	16.08	16.15	16.14			
15	16QAM	1	37	16.10	16.16	16.13			
15	16QAM	1	74	15.96	16.01	16.03	17	0	
15	16QAM	36	0	16.06	16.10	16.10			
15	16QAM	36	20	16.17	16.14	16.12			
15	16QAM	36	39	16.03	16.13	16.05	17	0	
15	16QAM	75	0	16.09	16.10	16.10			
15	64QAM	1	0	16.16	16.16	16.06			
15	64QAM	1	37	16.14	16.18	16.14	17	0	
15	64QAM	1	74	15.92	16.04	15.94			
15	64QAM	36	0	16.02	16.13	16.09			
15	64QAM	36	20	16.12	16.17	16.15	17	0	
15	64QAM	36	39	16.02	16.10	16.06			
15	64QAM	75	0	16.08	16.08	16.08			
Channel				37800	38000	38200			
Frequency (MHz)				2576	2595	2615			
10	QPSK	1	0	16.13	16.17	16.17	17	0	
10	QPSK	1	25	16.20	16.26	16.23			
10	QPSK	1	49	16.03	16.07	16.00			
10	QPSK	25	0	16.12	16.19	16.14	17	0	
10	QPSK	25	12	16.21	16.20	16.18			
10	QPSK	25	25	16.07	16.15	16.09			
10	QPSK	50	0	16.07	16.18	16.16	17	0	
10	16QAM	1	0	16.07	16.16	16.10			
10	16QAM	1	25	16.11	16.19	16.19			
10	16QAM	1	49	15.92	16.05	16.03	17	0	
10	16QAM	25	0	16.11	16.09	16.07			
10	16QAM	25	12	16.16	16.14	16.15			
10	16QAM	25	25	16.09	16.12	16.10	17	0	
10	16QAM	50	0	16.09	16.10	16.14			
10	64QAM	1	0	16.10	16.18	16.05			
10	64QAM	1	25	16.11	16.18	16.20	17	0	
10	64QAM	1	49	15.84	16.03	15.98			
10	64QAM	25	0	16.02	16.15	16.05			
10	64QAM	25	12	16.11	16.18	16.15	17	0	
10	64QAM	25	25	15.88	16.01	15.97			
10	64QAM	50	0	16.09	16.08	16.13			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	16.19	16.17	16.13	17	0	
5	QPSK	1	12	16.20	16.23	16.19			
5	QPSK	1	24	16.05	16.07	16.04			
5	QPSK	12	0	16.15	16.16	16.12	17	0	
5	QPSK	12	7	16.19	16.24	16.21			
5	QPSK	12	13	16.05	16.12	16.10			
5	QPSK	25	0	16.11	16.19	16.14	17	0	
5	16QAM	1	0	16.12	16.16	16.12			
5	16QAM	1	12	16.08	16.13	16.16			
5	16QAM	1	24	15.95	15.99	16.02	17	0	
5	16QAM	12	0	16.02	16.12	16.12			
5	16QAM	12	7	16.18	16.20	16.12			
5	16QAM	12	13	16.06	16.10	16.07	17	0	
5	16QAM	25	0	16.04	16.10	16.13			
5	64QAM	1	0	16.11	16.14	16.09			
5	64QAM	1	12	16.11	16.24	16.14	17	0	
5	64QAM	1	24	15.87	16.03	15.99			
5	64QAM	12	0	16.02	16.16	16.09			
5	64QAM	12	7	16.15	16.19	16.15	17	0	
5	64QAM	12	13	15.99	16.06	16.04			
5	64QAM	25	0	16.08	16.10	16.11			

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	23.68	23.62	23.80	23.86	23.45	24.5	0					
20	QPSK	1	49	23.72	23.68	23.62	23.91	23.35							
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98	23.5	1					
20	QPSK	50	0	22.13	22.18	22.28	22.48	22.35							
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38	23.5	1					
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.38							
20	QPSK	100	0	22.29	22.33	22.23	22.42	22.38	23.5	1					
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08							
20	16QAM	1	49	22.23	22.33	22.50	22.30	22.16	22.5	2					
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14							
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11	22.5	2					
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09							
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06	22.5	2					
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09							
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79	22.5	2					
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88							
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82	21.5	3					
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05							
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06	21.5	3					
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01							
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08							
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	23.61	23.70	23.84	23.74	23.51	24.5	0					
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34							
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13	23.5	1					
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06							
15	QPSK	36	20	22.16	22.28	22.37	22.19	22.07	23.5	1					
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.05							
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07	23.5	1					
15	16QAM	1	0	22.19	22.23	22.39	22.24	22.12							
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17	22.5	2					
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14							
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00	22.5	2					
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99							
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.97	21.5	3					
15	16QAM	75	0	21.16	21.23	21.32	21.20	21.08							
15	64QAM	1	0	20.88	20.93	21.10	20.96	20.82	22.5	2					
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84							
15	64QAM	1	74	20.98	21.05	21.12	20.99	20.85	21.5	3					
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02							
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01	21.5	3					
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99							
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05							
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2501	2547	2593	2639	2685							
10	QPSK	1	0	23.47	23.73	23.85	23.70	23.65	24.5	0					
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12							
10	QPSK	1	49	23.65	23.83	23.82	23.74	23.86	23.5	1					
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11							
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10	23.5	1					
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11							
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13	23.5	1					
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20							
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19	22.5	2					
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22							
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14	22.5	2					
10	16QAM	25	12	21.16	21.25	21.38	21.23	21.14							
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14	22.5	2					
10	16QAM	50	0	21.16	21.28	21.37	21.23	21.14							
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86	22.5	2					
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88							
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90	21.5	3					
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16							
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14	21.5	3					
10	64QAM	25	25	20.19	20.29	20.37	20.22	20.13							
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10							
Channel				3969.5	40168	40620	41093	41595	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5							
5	QPSK	1	0	23.71	23.73	23.85	23.68	23.46	24.5	0					
5	QPSK	1	12	23.70	23.80	23.86	23.68	23.16							
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01	23.5	1					
5	QPSK	12	0	22.26	22.28	22.42	22.23	22.14							
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14	23.5	1					
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11							
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17	23.5	1					
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20							
5	16QAM	1	12	22.30	22.28	22.48	22.28	22.24	23.5	1					
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23							
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09	22.5	2					
5	16QAM	12	7	21.16	21.22	21.36	21.16	21.09							
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07	22.5	2					
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17							
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92	22.5	2					
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92							
5	64QAM	1	24	20.97	21.05	21.20	20.99	20.92	21.5	3					
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13							
5	64QAM	12	7	20.21	20.23	20.39	20.20	20.14							
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10							
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14							

Band 41_Ant 1			
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Full&Default NSA Power

Band 2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	22.19	22.21	22.22	23.5	0	
20	QPSK	1	49	22.31	22.39	22.28			
20	QPSK	1	99	22.30	22.23	22.23			
20	QPSK	50	0	21.66	21.68	21.70			
20	QPSK	50	24	21.68	21.79	21.72	23	0.5	
20	QPSK	50	50	21.65	21.67	21.67			
20	QPSK	100	0	21.70	21.78	21.70			
20	16QAM	1	0	21.78	21.84	21.85			
20	16QAM	1	49	21.86	21.98	22.07	23	0.5	
20	16QAM	1	99	21.68	21.83	21.96			
20	16QAM	50	0	20.53	20.66	20.83			
20	16QAM	50	24	20.58	20.70	20.85			
20	16QAM	50	50	20.52	20.70	20.81	22	1.5	
20	16QAM	100	0	20.56	20.69	20.81			
20	64QAM	1	0	20.66	20.75	20.79			
20	64QAM	1	49	20.73	20.88	20.99			
20	64QAM	1	99	20.59	20.80	20.95	22	1.5	
20	64QAM	50	0	19.53	19.65	19.82			
20	64QAM	50	24	19.57	19.70	19.82			
20	64QAM	50	50	19.52	19.68	19.78			
20	64QAM	100	0	19.55	19.71	19.80	21	2.5	
Channel									
Frequency (MHz)				18675	18900	19125	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.94	22.13	22.26	23.5	0	
15	QPSK	1	37	22.01	22.29	22.35			
15	QPSK	1	74	21.93	22.23	22.33			
15	QPSK	36	0	21.48	21.69	21.86			
15	QPSK	36	20	21.53	21.72	21.82	23	0.5	
15	QPSK	36	39	21.53	21.74	21.78			
15	QPSK	75	0	21.51	21.72	21.85			
15	16QAM	1	0	21.73	21.81	21.96			
15	16QAM	1	37	21.83	22.04	22.06	23	0.5	
15	16QAM	1	74	21.75	21.95	21.98			
15	16QAM	36	0	20.54	20.70	20.86			
15	16QAM	36	20	20.54	20.71	20.83			
15	16QAM	36	39	20.57	20.73	20.78	22	1.5	
15	16QAM	75	0	20.54	20.74	20.85			
15	64QAM	1	0	20.67	20.83	20.94			
15	64QAM	1	37	20.74	20.97	21.07			
15	64QAM	1	74	20.62	20.88	20.92	22	1.5	
15	64QAM	36	0	19.56	19.73	19.87			
15	64QAM	36	20	19.54	19.71	19.81			
15	64QAM	36	39	19.59	19.76	19.77			
15	64QAM	75	0	19.53	19.72	19.83	21	2.5	
Channel									
Frequency (MHz)				18650	18900	19150	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.96	22.19	22.29	23.5	0	
10	QPSK	1	25	21.96	22.23	22.27			
10	QPSK	1	49	21.97	22.23	22.29			
10	QPSK	25	0	21.48	21.72	21.87			
10	QPSK	25	12	21.50	21.72	21.81	23	0.5	
10	QPSK	25	25	21.52	21.73	21.83			
10	QPSK	50	0	21.55	21.73	21.86			
10	16QAM	1	0	21.80	21.94	22.06			
10	16QAM	1	25	21.81	21.99	21.98	23	0.5	
10	16QAM	1	49	21.77	21.91	22.01			
10	16QAM	25	0	20.53	20.73	20.86			
10	16QAM	25	12	20.56	20.71	20.88			
10	16QAM	25	25	20.54	20.74	20.84	22	1.5	
10	16QAM	50	0	20.55	20.71	20.86			
10	64QAM	1	0	20.75	20.85	21.07			
10	64QAM	1	25	20.73	20.91	20.92			
10	64QAM	1	49	20.70	20.88	21.05	22	1.5	
10	64QAM	25	0	19.51	19.69	19.87			
10	64QAM	25	12	19.54	19.69	19.78			
10	64QAM	25	25	19.55	19.71	19.82			
10	64QAM	50	0	19.53	19.67	19.81	21	2.5	
Channel									
Frequency (MHz)				18625	18900	19175	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.93	22.19	22.23	23.5	0	
5	QPSK	1	12	21.96	22.31	22.33			
5	QPSK	1	24	21.99	22.22	22.27			
5	QPSK	12	0	21.50	21.74	21.78			
5	QPSK	12	7	21.49	21.73	21.81	23	0.5	
5	QPSK	12	13	21.51	21.73	21.80			
5	QPSK	25	0	21.54	21.76	21.83			
5	16QAM	1	0	21.74	21.91	21.95			
5	16QAM	1	12	21.78	22.03	21.92	23	0.5	
5	16QAM	1	24	21.72	21.95	21.96			
5	16QAM	12	0	20.54	20.73	20.78			
5	16QAM	12	7	20.52	20.70	20.78			
5	16QAM	12	13	20.54	20.73	20.80	22	1.5	
5	16QAM	25	0	20.55	20.74	20.81			
5	64QAM	1	0	20.71	20.85	20.86			
5	64QAM	1	12	20.70	20.95	21.00			
5	64QAM	1	24	20.77	20.88	20.98	22	1.5	
5	64QAM	12	0	19.56	19.77	19.81			
5	64QAM	12	7	19.57	19.75	19.82			
5	64QAM	12	13	19.57	19.75	19.84			
5	64QAM	25	0	19.54	19.69	19.80	21	2.5	
Channel									
Frequency (MHz)				18615	18800	19185	Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.90	22.19	22.26	23.5	0	
3	QPSK	1	8	21.90	22.20	22.25			
3	QPSK	1	14	21.95	22.18	22.31			
3	QPSK	3	0	21.46	21.69	21.79			
3	QPSK	8	0	21.43	21.67	21.75	23	0.5	
3	QPSK	8	7	21.46	21.69	21.75			
3	QPSK	15	0	21.45	21.64	21.72			
3	16QAM	1	0	21.71	21.83	21.94			
3	16QAM	1	8	21.65	21.86	21.83	23	0.5	
3	16QAM	1	14	21.71	21.83	21.93			
3	16QAM	8	0	20.53	20.72	20.83			
3	16QAM	8	4	20.47	20.71	20.82			
3	16QAM	8	7	20.50	20.70	20.79	22	1.5	
3	16QAM	15	0	20.50	20.67	20.78			
3	64QAM	1	0	20.62	20.86	20.91			
3	64QAM	1	8	20.60	20.82	20.88			
3	64QAM	1	14	20.63	20.84	20.93	22	1.5	
3	64QAM	8	0	19.54	19.71	19.80			
3	64QAM	8	4	19.48	19.71	19.80			
3	64QAM	8	7	19.49	19.70	19.79			
3	64QAM	15	0	19.48	19.54	19.79	21	2.5	
Channel									
Frequency (MHz)				18607	18900	19193	Time-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0	
1.4	QPSK	1	3	22.00	22.18	22.32			
1.4	QPSK	1	5	21.95	22.19	22.30			
1.4	QPSK	3	0	22.00	22.18	22.27			
1.4	QPSK	3	1	21.96	22.21	22.29	23	0.5	
1.4	QPSK	3	3	22.00	22.21	22.30			
1.4	QPSK	6	0	21.65	21.68	21.77			
1.4	16QAM	1	0	21.85	21.87	21.94			
1.4	16QAM	1	3	21.68	21.89	21.94	23	0.5	
1.4	16QAM	1	5	21.61	21.86	21.90			
1.4	16QAM	3	0	21.46	21.69	21.79			
1.4	16QAM	3	1	21.46	21.66	21.80			
1.4	16QAM	3	3	21.51	21.69	21.78	22	1.5	
1.4	16QAM	6	0	20.54	20.73	20.84			
1.4	64QAM	1	0	20.61	20.80	20.85			
1.4	64QAM	1	3	20.63	20.84	20.89			
1.4	64QAM	1	5	20.65	20.86	20.92	22	1.5	
1.4	64QAM	1	3	20.55	20.75	20.86			
1.4	64QAM	3	0	20.56	20.76	20.88			
1.4	64QAM	3	3	20.57	20.76	20.84			
1.4	64QAM	6	0	19.44	19.62	19.75	21	2.5	
Channel									

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.68	23.62	23.56	24.5	0		
10	QPSK	1	25	23.72	23.75	23.62				
10	QPSK	1	49	23.55	23.56	23.54				
10	QPSK	25	0	22.18	22.13	22.10	23.5	1		
10	QPSK	25	12	22.20	22.25	22.14				
10	QPSK	25	25	22.17	22.12	22.07				
10	QPSK	50	0	22.19	22.24	22.12	23.5	1		
10	16QAM	1	0	22.24	22.27	22.24				
10	16QAM	1	25	22.27	22.23	22.23				
10	16QAM	1	49	22.18	22.24	22.16	22.5	2		
10	16QAM	25	0	20.97	20.94	20.94				
10	16QAM	25	12	20.98	20.92	20.95				
10	16QAM	25	25	20.97	20.94	20.91	22.5	2		
10	16QAM	50	0	20.98	20.94	20.96				
10	64QAM	1	0	21.15	21.09	21.10				
10	64QAM	1	25	21.13	21.14	21.19	22.5	2		
10	64QAM	1	49	21.06	21.11	21.09				
10	64QAM	25	0	19.97	19.90	19.93				
10	64QAM	25	12	19.99	19.91	19.94	21.5	3		
10	64QAM	25	25	19.97	19.93	19.90				
10	64QAM	50	0	19.96	19.93	19.92				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.42	23.38	23.43	24.5	0		
5	QPSK	1	12	23.47	23.50	23.43				
5	QPSK	1	24	23.48	23.43	23.38				
5	QPSK	12	0	21.97	21.94	21.92	23.5	1		
5	QPSK	12	7	21.96	21.92	21.92				
5	QPSK	12	13	21.95	21.90	21.90				
5	QPSK	25	0	21.99	21.97	21.95	23.5	1		
5	16QAM	1	0	22.23	22.14	22.22				
5	16QAM	1	12	22.27	22.28	22.18				
5	16QAM	1	24	22.23	22.17	22.11	22.5	2		
5	16QAM	12	0	20.95	20.95	20.91				
5	16QAM	12	7	20.97	20.93	20.93				
5	16QAM	12	13	20.95	20.89	20.90	22.5	2		
5	16QAM	25	0	21.00	20.94	20.93				
5	64QAM	1	0	21.12	21.08	21.11				
5	64QAM	1	12	21.16	21.16	21.13	22.5	2		
5	64QAM	1	24	21.12	21.09	21.01				
5	64QAM	12	0	20.00	19.97	19.95				
5	64QAM	12	7	19.99	19.93	19.93	21.5	3		
5	64QAM	12	13	19.99	19.92	19.92				
5	64QAM	25	0	19.97	19.93	19.92				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.38	23.38	23.33	24.5	0		
3	QPSK	1	8	23.36	23.37	23.36				
3	QPSK	1	14	23.40	23.38	23.37				
3	QPSK	8	0	21.92	21.87	21.90	23.5	1		
3	QPSK	8	4	21.90	21.87	21.88				
3	QPSK	8	7	21.92	21.86	21.82				
3	QPSK	15	0	21.91	21.89	21.84	23.5	1		
3	16QAM	1	0	22.17	22.13	22.08				
3	16QAM	1	8	22.15	22.12	22.09				
3	16QAM	1	14	22.20	22.12	22.11	22.5	2		
3	16QAM	8	0	20.97	20.92	20.96				
3	16QAM	8	4	20.96	20.93	20.91				
3	16QAM	8	7	20.95	20.92	20.88	22.5	2		
3	16QAM	15	0	20.93	20.91	20.87				
3	64QAM	1	0	21.03	21.02	21.02				
3	64QAM	1	8	21.04	21.00	20.99	22.5	2		
3	64QAM	1	14	21.11	21.05	20.96				
3	64QAM	8	0	19.98	19.91	19.96				
3	64QAM	8	4	19.95	19.91	19.90	21.5	3		
3	64QAM	8	7	19.99	19.90	19.86				
3	64QAM	15	0	19.92	19.90	19.85				
Channel				20407	20525	20643				Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.39	23.38	23.36	24.5	0		
1.4	QPSK	1	3	23.44	23.41	23.38				
1.4	QPSK	1	5	23.45	23.41	23.37				
1.4	QPSK	3	0	23.44	23.37	23.37	23.5	1		
1.4	QPSK	3	1	23.44	23.39	23.39				
1.4	QPSK	3	3	23.45	23.40	23.39				
1.4	QPSK	6	0	21.94	21.86	21.87	23.5	1		
1.4	16QAM	1	0	22.17	22.12	22.08				
1.4	16QAM	1	3	22.16	22.12	22.11				
1.4	16QAM	1	5	22.18	22.12	22.09	23.5	1		
1.4	16QAM	3	0	21.92	21.82	21.84				
1.4	16QAM	3	1	21.92	21.86	21.87				
1.4	16QAM	3	3	21.94	21.87	21.80	22.5	2		
1.4	16QAM	6	0	21.03	20.92	20.96				
1.4	64QAM	1	0	21.04	21.02	21.01				
1.4	64QAM	1	3	21.03	21.05	21.00	22.5	2		
1.4	64QAM	1	5	21.08	21.07	20.99				
1.4	64QAM	3	0	21.02	20.95	20.94				
1.4	64QAM	3	1	21.01	20.99	20.96	21.5	3		
1.4	64QAM	3	3	21.02	20.97	20.95				
1.4	64QAM	6	0	19.93	19.82	19.86				

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	22.85	22.86	22.56	23.5	0	
20	QPSK	1	49	22.89	22.78	22.62			
20	QPSK	1	99	22.82	22.57	22.58			
20	QPSK	50	0	22.23	22.17	22.11	23	0.5	
20	QPSK	50	24	22.26	22.27	22.12			
20	QPSK	50	50	22.18	22.08	22.07			
20	QPSK	100	0	22.18	22.40	22.09	23	0.5	
20	16QAM	1	0	22.18	22.22	22.17			
20	16QAM	1	49	22.24	22.33	22.31			
20	16QAM	1	99	22.19	22.36	22.25	22	1.5	
20	16QAM	50	0	20.97	21.01	20.99			
20	16QAM	50	24	21.01	21.07	21.04			
20	16QAM	50	50	20.98	21.04	21.13	22	1.5	
20	16QAM	100	0	20.99	21.04	21.05			
20	64QAM	1	0	21.14	21.09	21.07	22	1.5	
20	64QAM	1	49	21.15	21.22	21.20			
20	64QAM	1	99	21.10	21.20	21.39			
20	64QAM	50	0	19.98	20.01	19.98	21	2.5	
20	64QAM	50	24	20.02	20.05	20.03			
20	64QAM	50	50	19.96	20.06	20.11			
20	64QAM	100	0	19.97	20.05	20.05	21.5	2.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.50	22.55	22.52	23.5	0	
15	QPSK	1	37	22.52	22.58	22.65			
15	QPSK	1	74	22.46	22.53	22.68			
15	QPSK	36	0	22.02	22.05	22.05	23	0.5	
15	QPSK	36	20	22.02	22.07	22.14			
15	QPSK	36	39	22.06	22.08	22.12			
15	QPSK	75	0	22.03	22.07	22.18	23	0.5	
15	16QAM	1	0	22.27	22.29	22.27			
15	16QAM	1	37	22.32	22.39	22.40			
15	16QAM	1	74	22.25	22.38	22.30	22	1.5	
15	16QAM	36	0	21.04	21.04	21.08			
15	16QAM	36	20	21.03	21.06	21.12			
15	16QAM	36	39	21.04	21.08	21.14	22	1.5	
15	16QAM	75	0	21.10	21.10	21.14			
15	64QAM	1	0	21.21	21.25	21.15			
15	64QAM	1	37	21.24	21.30	21.34	22	1.5	
15	64QAM	1	74	21.16	21.27	21.38			
15	64QAM	36	0	20.07	20.08	20.09			
15	64QAM	36	20	20.05	20.09	20.15	21	2.5	
15	64QAM	36	39	20.07	20.07	20.20			
15	64QAM	75	0	20.03	20.09	20.15			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.65	22.54	22.61	23.5	0	
10	QPSK	1	25	22.66	22.32	22.85			
10	QPSK	1	49	22.60	22.38	22.52			
10	QPSK	25	0	22.06	22.07	22.13	23	0.5	
10	QPSK	25	12	22.06	22.08	22.15			
10	QPSK	25	25	22.08	22.09	22.20			
10	QPSK	50	0	22.08	22.27	22.36	23	0.5	
10	16QAM	1	0	22.38	22.33	22.35			
10	16QAM	1	25	22.28	22.35	22.36			
10	16QAM	1	49	22.31	22.22	22.32	22	1.5	
10	16QAM	25	0	21.07	21.07	21.14			
10	16QAM	25	12	21.03	21.07	21.16			
10	16QAM	25	25	21.09	21.09	21.22	22	1.5	
10	16QAM	50	0	21.09	21.09	21.16			
10	64QAM	1	0	21.26	21.26	21.32			
10	64QAM	1	25	21.19	21.27	21.32	21	2.5	
10	64QAM	1	49	21.25	21.29	21.24			
10	64QAM	25	0	20.08	20.07	20.12			
10	64QAM	25	12	20.08	20.08	20.14	21	2.5	
10	64QAM	25	25	20.07	20.08	20.22			
10	64QAM	50	0	20.07	20.10	20.16			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2602.5	2636	2667.5			
5	QPSK	1	0	22.82	22.82	22.61	23.5	0	
5	QPSK	1	12	22.81	22.88	22.55			
5	QPSK	1	24	22.64	22.42	22.47			
5	QPSK	12	0	22.21	22.15	22.27	23	0.5	
5	QPSK	12	7	22.18	22.16	22.30			
5	QPSK	12	13	22.18	22.15	22.33			
5	QPSK	25	0	22.17	22.16	22.32	23	0.5	
5	16QAM	1	0	22.22	22.21	22.24			
5	16QAM	1	12	22.23	22.21	22.31			
5	16QAM	1	24	22.09	22.24	22.38	22	1.5	
5	16QAM	12	0	21.24	21.19	21.28			
5	16QAM	12	7	21.19	21.17	21.30			
5	16QAM	12	13	21.19	21.15	21.31	22	1.5	
5	16QAM	25	0	21.18	21.17	21.30			
5	64QAM	1	0	21.40	21.31	21.39			
5	64QAM	1	12	21.33	21.37	21.31	22	1.5	
5	64QAM	1	24	21.31	21.38	21.31			
5	64QAM	12	0	20.20	20.22	20.30			
5	64QAM	12	7	20.21	20.24	20.33	21	2.5	
5	64QAM	12	13	20.19	20.20	20.33			
5	64QAM	25	0	20.18	20.18	20.29			

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.05	22.14	22.13	22.5	0		
20	QPSK	1	49	22.18	22.24	22.22				
20	QPSK	1	99	22.10	22.16	22.20				
20	QPSK	50	0	21.63	21.81	21.60	22	0.5		
20	QPSK	50	24	21.67	21.85	21.84				
20	QPSK	50	50	21.56	21.74	21.57				
20	QPSK	100	0	21.57	21.72	21.59	22	0.5		
20	16QAM	1	0	21.77	21.68	21.74				
20	16QAM	1	49	21.88	21.78	21.86				
20	16QAM	1	99	21.82	21.73	21.76	21	1.5		
20	16QAM	50	0	20.76	20.89	20.72				
20	16QAM	50	24	20.79	20.77	20.73				
20	16QAM	50	50	20.74	20.70	20.66	21	1.5		
20	16QAM	100	0	20.73	20.65	20.69				
20	64QAM	1	0	20.78	20.75	20.72				
20	64QAM	1	49	20.87	20.82	20.85	21	1.5		
20	64QAM	1	99	20.86	20.83	20.81				
20	64QAM	50	0	19.75	19.67	19.68				
20	64QAM	50	24	19.78	19.72	19.76	20	2.5		
20	64QAM	50	50	19.75	19.68	19.74				
20	64QAM	100	0	19.72	19.64	19.68				
Channel				20825	21100	21375	Turnup limit (dbm)	MPR (db)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.93	21.79	21.87	22.5	0		
15	QPSK	1	37	21.94	21.98	21.95				
15	QPSK	1	74	21.95	21.83	21.98				
15	QPSK	36	0	21.51	21.39	21.39	22	0.5		
15	QPSK	36	20	21.58	21.46	21.43				
15	QPSK	36	39	21.52	21.27	21.32				
15	QPSK	75	0	21.49	21.35	21.34	22	0.5		
15	16QAM	1	0	21.47	21.43	21.45				
15	16QAM	1	37	21.66	21.49	21.57				
15	16QAM	1	74	21.56	21.46	21.46	21	1.5		
15	16QAM	36	0	20.51	20.47	20.42				
15	16QAM	36	20	20.56	20.49	20.52				
15	16QAM	36	39	20.51	20.42	20.39	21	1.5		
15	16QAM	75	0	20.44	20.35	20.43				
15	64QAM	1	0	20.49	20.49	20.49	21	1.5		
15	64QAM	1	37	20.57	20.56	20.64				
15	64QAM	1	74	20.63	20.58	20.60				
15	64QAM	36	0	19.50	19.45	19.46	20	2.5		
15	64QAM	36	20	19.53	19.47	19.47				
15	64QAM	36	39	19.52	19.47	19.52				
15	64QAM	75	0	19.49	19.38	19.47				
Channel				20800	21100	21400	Turnup limit (dbm)	MPR (db)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	21.85	21.79	21.85	22.5	0		
10	QPSK	1	25	21.96	21.89	21.93				
10	QPSK	1	49	21.90	21.89	21.92				
10	QPSK	25	0	21.53	21.39	21.34	22	0.5		
10	QPSK	25	12	21.64	21.42	21.43				
10	QPSK	25	25	21.50	21.29	21.35				
10	QPSK	50	0	21.49	21.33	21.33	22	0.5		
10	16QAM	1	0	21.48	21.39	21.51				
10	16QAM	1	25	21.58	21.52	21.60				
10	16QAM	1	49	21.61	21.44	21.49	21	1.5		
10	16QAM	25	0	20.55	20.39	20.45				
10	16QAM	25	12	20.57	20.53	20.43				
10	16QAM	25	25	20.52	20.44	20.36	21	1.5		
10	16QAM	50	0	20.52	20.44	20.46				
10	64QAM	1	0	20.48	20.52	20.48				
10	64QAM	1	25	20.57	20.54	20.57	21	1.5		
10	64QAM	1	49	20.61	20.53	20.57				
10	64QAM	25	0	19.52	19.42	19.41				
10	64QAM	25	12	19.57	19.47	19.48	20	2.5		
10	64QAM	25	25	19.46	19.42	19.50				
10	64QAM	50	0	19.47	19.42	19.44				
Channel				20775	21000	21425	Turnup limit (dbm)	MPR (db)		
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	21.87	21.83	21.87	22.5	0		
5	QPSK	1	12	21.94	21.95	21.98				
5	QPSK	1	24	21.94	21.88	21.92				
5	QPSK	12	0	21.59	21.41	21.35	22	0.5		
5	QPSK	12	7	21.60	21.42	21.42				
5	QPSK	12	13	21.46	21.27	21.33				
5	QPSK	25	0	21.42	21.32	21.36	22	0.5		
5	16QAM	1	0	21.47	21.44	21.50				
5	16QAM	1	12	21.61	21.56	21.59				
5	16QAM	1	24	21.61	21.45	21.50	21	1.5		
5	16QAM	12	0	20.52	20.44	20.46				
5	16QAM	12	7	20.55	20.51	20.44				
5	16QAM	12	13	20.45	20.45	20.38	21	1.5		
5	16QAM	25	0	20.49	20.36	20.43				
5	64QAM	1	0	20.57	20.47	20.47	21	1.5		
5	64QAM	1	12	20.59	20.55	20.60				
5	64QAM	1	24	20.57	20.54	20.56				
5	64QAM	12	0	19.52	19.37	19.45	20	2.5		
5	64QAM	12	7	19.54	19.45	19.54				
5	64QAM	12	13	19.47	19.40	19.45				
5	64QAM	25	0	19.47	19.39	19.46				

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.35	23.24	23.23	24	0	
15	QPSK	1	37	23.38	23.39	23.28			
15	QPSK	1	74	23.28	23.16	23.15			
15	QPSK	36	0	22.23	22.19	22.18	23	1	
15	QPSK	36	20	22.26	22.27	22.21			
15	QPSK	36	39	22.24	22.22	22.20			
15	QPSK	75	0	22.25	22.26	22.17	23	1	
15	16QAM	1	0	22.37	22.30	22.31			
15	16QAM	1	37	22.30	22.37	22.33			
15	16QAM	1	74	22.39	22.24	22.20	22	2	
15	16QAM	36	0	21.06	21.04	21.07			
15	16QAM	36	20	21.04	21.03	21.04			
15	16QAM	36	39	21.08	21.02	21.00	22	2	
15	16QAM	75	0	21.10	21.03	21.05			
15	64QAM	1	0	21.23	21.18	21.26			
15	64QAM	1	37	21.21	21.29	21.24	22	2	
15	64QAM	1	74	21.29	21.18	21.17			
15	64QAM	36	0	20.06	20.05	20.06			
15	64QAM	36	20	20.04	20.02	20.03	21	3	
15	64QAM	36	39	20.05	20.02	19.99			
15	64QAM	75	0	20.09	20.02	20.04			
Channel				26740	26865	26960	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.07	23.04	23.10	24	0	
10	QPSK	1	25	23.13	23.13	23.07			
10	QPSK	1	49	23.03	23.00	22.99			
10	QPSK	25	0	22.03	22.01	22.03	23	1	
10	QPSK	25	12	22.04	22.01	22.02			
10	QPSK	25	25	22.07	22.03	22.01			
10	QPSK	50	0	22.08	22.01	22.02	23	1	
10	16QAM	1	0	22.34	22.32	22.31			
10	16QAM	1	25	22.42	22.39	22.36			
10	16QAM	1	49	22.31	22.25	22.22	22	2	
10	16QAM	25	0	21.04	21.02	21.02			
10	16QAM	25	12	21.01	20.99	21.00			
10	16QAM	25	25	21.06	21.01	21.01	22	2	
10	16QAM	50	0	21.07	21.00	21.01			
10	64QAM	1	0	21.28	21.20	21.19			
10	64QAM	1	25	21.27	21.28	21.24	22	2	
10	64QAM	1	49	21.21	21.19	21.15			
10	64QAM	25	0	20.04	20.02	20.03			
10	64QAM	25	12	20.06	20.00	20.01	21	3	
10	64QAM	25	25	20.07	20.00	20.03			
10	64QAM	50	0	20.06	20.02	20.01			
Channel				26710	26865	27015	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.02	22.97	22.98	24	0	
5	QPSK	1	12	23.08	23.07	22.98			
5	QPSK	1	24	23.01	23.02	22.96			
5	QPSK	12	0	22.04	22.02	22.03	23	1	
5	QPSK	12	7	22.05	22.02	22.01			
5	QPSK	12	13	22.03	22.00	21.95			
5	QPSK	25	0	22.08	22.05	22.02	23	1	
5	16QAM	1	0	22.36	22.31	22.28			
5	16QAM	1	12	22.37	22.28	22.26			
5	16QAM	1	24	22.25	22.27	22.20	22	2	
5	16QAM	12	0	21.06	21.00	21.03			
5	16QAM	12	7	21.07	21.02	21.00			
5	16QAM	12	13	21.04	21.00	20.95	22	2	
5	16QAM	25	0	21.09	21.02	21.02			
5	64QAM	1	0	21.20	21.13	21.17			
5	64QAM	1	12	21.26	21.24	21.17	22	2	
5	64QAM	1	24	21.17	21.17	21.12			
5	64QAM	12	0	20.09	20.03	20.06			
5	64QAM	12	7	20.08	20.05	20.02	21	3	
5	64QAM	12	13	20.06	20.04	19.99			
5	64QAM	25	0	20.04	20.02	20.00			
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.99	22.93	22.94	24	0	
3	QPSK	1	8	22.95	22.94	22.85			
3	QPSK	1	14	22.97	22.97	22.90			
3	QPSK	8	0	21.98	21.96	21.96	23	1	
3	QPSK	8	4	22.01	21.99	21.92			
3	QPSK	8	7	22.00	21.98	21.92			
3	QPSK	15	0	22.00	21.98	21.92	23	1	
3	16QAM	1	0	22.24	22.20	22.19			
3	16QAM	1	8	22.22	22.23	22.17			
3	16QAM	1	14	22.27	22.23	22.20	22	2	
3	16QAM	8	0	21.08	21.01	21.00			
3	16QAM	8	4	21.04	21.01	20.98			
3	16QAM	8	7	21.05	21.02	20.95	22	2	
3	16QAM	15	0	21.05	20.98	20.95			
3	64QAM	1	0	21.15	21.12	21.08			
3	64QAM	1	8	21.11	21.12	21.05	22	2	
3	64QAM	1	14	21.14	21.14	21.11			
3	64QAM	8	0	20.03	20.00	19.99			
3	64QAM	8	4	20.04	20.00	19.94	21	3	
3	64QAM	8	7	20.02	20.00	19.96			
3	16QAM	15	0	19.99	19.99	19.95			
Channel				26697	26865	27033	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.05	23.02	22.93	24	0	
1.4	QPSK	1	3	23.03	23.00	22.90			
1.4	QPSK	1	5	23.01	23.01	22.94			
1.4	QPSK	3	0	23.03	23.03	22.98	23	1	
1.4	QPSK	3	1	23.04	23.01	22.94			
1.4	QPSK	3	3	23.03	23.00	22.95			
1.4	QPSK	6	0	22.03	21.98	21.94	23	1	
1.4	QPSK	6	1	22.27	22.26	22.17			
1.4	16QAM	1	3	22.28	22.28	22.15			
1.4	16QAM	1	5	22.25	22.25	22.20	23	1	
1.4	16QAM	3	0	22.01	21.97	21.90			
1.4	16QAM	3	3	22.00	21.99	21.92			
1.4	16QAM	6	0	21.11	21.09	21.01	22	2	
1.4	64QAM	1	0	21.17	21.17	21.12			
1.4	64QAM	1	3	21.18	21.18	21.07			
1.4	64QAM	1	5	21.17	21.17	21.12	22	2	
1.4	64QAM	3	0	21.10	21.08	21.03			
1.4	64QAM	3	1	21.11	21.07	20.99			
1.4	64QAM	3	3	21.13	21.12	21.05	21	3	
1.4	64QAM	6	0	20.00	19.96	19.90			

Band 66_Ant 0(Other PA)(66A-n7A)									
BW (MHz)	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	22.53	22.56	22.50	23.5	0	
20	QPSK	1	49	22.60	22.63	22.56			
20	QPSK	1	99	22.48	22.50	22.42			
20	QPSK	50	0	22.06	22.03	21.96	23	0.5	
20	QPSK	50	24	22.11	22.15	22.08			
20	QPSK	50	50	22.01	22.03	21.98			
20	QPSK	100	0	22.10	22.12	22.06	23	0.5	
20	16QAM	1	0	21.97	22.01	21.93			
20	16QAM	1	49	22.04	22.03	22.01			
20	16QAM	1	99	22.03	22.00	21.92	22	1.5	
20	16QAM	50	0	21.00	21.01	20.98			
20	16QAM	50	24	21.05	21.02	21.00			
20	16QAM	50	50	21.01	21.06	20.96	22	1.5	
20	16QAM	100	0	21.00	21.03	20.91			
20	64QAM	1	0	20.99	21.05	20.91			
20	64QAM	1	49	20.98	21.04	20.96	21	2.5	
20	64QAM	1	99	21.04	21.06	20.92			
20	64QAM	50	0	19.97	19.98	19.92			
20	64QAM	50	24	20.02	20.00	19.92	21	2.5	
20	64QAM	50	50	19.99	19.99	19.97			
20	64QAM	100	0	20.02	20.04	19.94			
Channel									
Frequency (MHz)				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
1717.5 1745 1772.5				22.39	22.51	22.41	23.5	0	
15	QPSK	1	0	22.39	22.51	22.41	23.5	0	
15	QPSK	1	37	22.51	22.55	22.48			
15	QPSK	1	74	22.34	22.44	22.30			
15	QPSK	36	0	21.94	21.97	21.87	23	0.5	
15	QPSK	36	20	22.02	22.05	21.92			
15	QPSK	36	39	21.89	21.90	21.93			
15	QPSK	75	0	21.85	22.06	21.95	23	0.5	
15	16QAM	1	0	21.83	21.91	21.88			
15	16QAM	1	37	21.98	21.90	21.95			
15	16QAM	1	74	21.89	21.87	21.83	22	1.5	
15	16QAM	36	0	20.95	20.95	20.83			
15	16QAM	36	20	20.98	20.90	20.85			
15	16QAM	36	39	20.95	21.00	20.84	22	1.5	
15	16QAM	75	0	20.89	20.89	20.80			
15	64QAM	1	0	20.94	20.93	20.80			
15	64QAM	1	37	20.84	20.94	20.83	22	1.5	
15	64QAM	1	74	20.95	20.93	20.86			
15	64QAM	36	0	19.86	19.85	19.81			
15	64QAM	36	20	19.95	19.92	19.84	21	2.5	
15	64QAM	36	39	19.85	19.91	19.87			
15	64QAM	75	0	19.93	19.94	19.82			
Channel									
Frequency (MHz)				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
1715 1745 1775				22.47	22.46	22.41	23.5	0	
10	QPSK	1	0	22.47	22.46 <td>22.41</td> <td rowspan="3">23.5</td> <td rowspan="3">0</td> <td rowspan="3"></td>	22.41	23.5	0	
10	QPSK	1	25	22.48	22.48	22.50			
10	QPSK	1	49	22.33	22.38	22.34			
10	QPSK	25	0	21.93	21.88	21.82	23	0.5	
10	QPSK	25	12	21.99	21.99	22.03			
10	QPSK	25	25	21.86	21.90	21.88			
10	QPSK	50	0	21.84	22.06	21.97	23	0.5	
10	16QAM	1	0	21.87	21.87	21.80			
10	16QAM	1	25	21.93	21.92	21.87			
10	16QAM	1	49	21.87	21.87	21.80	22	1.5	
10	16QAM	25	0	20.93	20.86	20.84			
10	16QAM	25	12	21.90	20.94	20.95			
10	16QAM	25	25	20.89	20.90	20.85	22	1.5	
10	16QAM	50	0	20.85	20.97	20.80			
10	64QAM	1	0	20.86	20.96	20.85			
10	64QAM	1	25	20.93	20.96	20.83	22	1.5	
10	64QAM	1	49	20.95	20.90	20.83			
10	64QAM	25	0	19.89	19.83	19.78			
10	64QAM	25	12	19.97	19.94	19.86	21	2.5	
10	64QAM	25	25	19.88	19.93	19.87			
10	64QAM	50	0	19.90	19.92	19.82			
Channel									
Frequency (MHz)				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
1712.5 1745 1777.5				22.38	22.51	22.39	23.5	0	
5	QPSK	1	0	22.38	22.51	22.39	23.5	0	
5	QPSK	1	12	22.53	22.56	22.49			
5	QPSK	1	24	22.41	22.37	22.28			
5	QPSK	12	0	22.00	21.93	21.88	23	0.5	
5	QPSK	12	7	22.03	22.04	21.96			
5	QPSK	12	13	21.95	21.93	21.90			
5	QPSK	25	0	21.94	22.06	21.91	23	0.5	
5	16QAM	1	0	21.83	21.85	21.87			
5	16QAM	1	12	21.94	21.91	21.95			
5	16QAM	1	24	21.92	21.84	21.79	23	0.5	
5	16QAM	12	0	20.91	20.88	20.86			
5	16QAM	12	7	20.95	20.88	20.86			
5	16QAM	12	13	20.92	21.01	20.91	22	1.5	
5	16QAM	25	0	20.95	20.98	20.78			
5	64QAM	1	0	20.89	20.94	20.82			
5	64QAM	1	12	20.91	20.92	20.86	22	1.5	
5	64QAM	1	24	20.90	20.93	20.79			
5	64QAM	12	0	19.86	19.92	19.86			
5	64QAM	12	7	19.94	19.92	19.80	21	2.5	
5	64QAM	12	13	19.84	19.93	19.92			
5	64QAM	25	0	19.89	19.99	19.80			
Channel									
Frequency (MHz)				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
1711.5 1745 1778.5				22.46	22.41	22.38	23.5	0	
3	QPSK	1	0	22.46	22.41	22.38	23.5	0	
3	QPSK	1	8	22.50	22.47	22.48			
3	QPSK	1	14	22.35	22.40	22.31			
3	QPSK	8	0	21.99	21.89	21.81	23	0.5	
3	QPSK	8	4	21.97	22.01	22.00			
3	QPSK	8	7	21.87	21.88	21.86			
3	QPSK	15	0	22.03	21.99	21.96	23	0.5	
3	16QAM	1	0	21.89	21.88	21.88			
3	16QAM	1	8	21.95	21.93	21.90			
3	16QAM	1	14	21.87	21.93	21.84	22	1.5	
3	16QAM	8	0	20.88	20.89	20.87			
3	16QAM	8	4	20.97	20.89	20.90			
3	16QAM	8	7	20.96	20.95	20.91	22	1.5	
3	16QAM	15	0	20.94	20.94	20.77			
3	64QAM	1	0	20.92	20.92	20.78			
3	64QAM	1	8	20.87	20.94	20.91	22	1.5	
3	64QAM	1	14	20.89	20.93	20.78			
3	64QAM	8	0	19.81	19.90	19.76			
3	64QAM	8	4	19.92	19.84	19.83	21	2.5	
3	64QAM	8	7	19.89	19.92	19.84			
3	64QAM	15	0	19.95	19.94	19.89			
Channel									
Frequency (MHz)				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
1710.7 1745 1779.3				22.54	22.55	22.48	23.5	0	
1.4	QPSK	1	0	22.54	22.56	22.48	23.5	0	
1.4	QPSK	1	3	22.52	22.47	22.44			
1.4	QPSK	1	5	22.51	22.56	22.46			
1.4	QPSK	3	0	22.53	22.49	22.41	23	0.5	
1.4	QPSK	3	3	22.46	22.58	22.44			
1.4	QPSK	3	24	22.47	22.55	22.47			
1.4	QPSK	6	0	21.94	22.05	21.90	23	0.5	
1.4	16QAM	1	0	21.96	22.03	21.92			
1.4	16QAM	1	3	21.95	22.05	21.93			
1.4	16QAM	1	5	21.96	22.05	21.95	23	0.5	
1.4	16QAM	3	0	22.05	22.02	21.98			
1.4	16QAM	3	1	22.05	22.06	21.96			
1.4	16QAM	3	23	22.05	22.04	21.91	22	1.5	
1.4	64QAM	1	0	21.04	21.08	21.00			
1.4	64QAM	1	3	21.01	20.99	20.90			
1.4	64QAM	1	5	20.95	20.97	21.00	22	1.5	
1.4	64QAM	3	0	21.03	21.02	20.90			
1.4	64QAM	3	1	20.96	21.07	20.95			
1.4	64QAM	3	3	20.97	21.04	20.94	21	2.5	
1.4	64QAM	6	0	20.01	20.03	19.99			

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				20550	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.97	15.02	15.03	15.5	0	
20	QPSK	1	49	15.11	15.18	15.16			
20	QPSK	1	99	14.99	15.06	15.14			
20	QPSK	50	0	14.95	14.95	14.96	15.5	0	
20	QPSK	50	24	15.05	15.16	15.09			
20	QPSK	50	50	14.93	15.05	15.07			
20	QPSK	100	0	15.03	15.14	15.03	15.5	0	
20	16QAM	1	0	14.85	14.97	14.99			
20	16QAM	1	49	15.09	15.14	15.13			
20	16QAM	1	99	14.95	15.01	15.09	15.5	0	
20	16QAM	50	0	14.91	14.91	14.94			
20	16QAM	50	24	15.04	15.12	15.02			
20	16QAM	50	50	14.90	15.00	15.00	15.5	0	
20	16QAM	100	0	14.97	15.11	15.00			
20	64QAM	1	0	14.95	15.00	15.00			
20	64QAM	1	49	15.06	15.13	15.13	15.5	0	
20	64QAM	1	99	14.96	15.01	15.13			
20	64QAM	50	0	14.92	14.88	14.95			
20	64QAM	50	24	14.99	15.10	15.09	15.5	0	
20	64QAM	50	50	14.99	15.00	15.04			
20	64QAM	100	0	15.01	15.07	14.96			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2607.5	2635	2662.5			
15	QPSK	1	0	14.93	15.01	15.00	15.5	0	
15	QPSK	1	37	15.10	15.11	15.10			
15	QPSK	1	74	14.94	15.03	15.13			
15	QPSK	36	0	14.90	14.94	14.92	15.5	0	
15	QPSK	36	20	15.01	15.09	15.06			
15	QPSK	36	39	14.89	15.04	15.00			
15	QPSK	75	0	14.96	15.08	14.96	15.5	0	
15	16QAM	1	0	14.94	14.96	14.98			
15	16QAM	1	37	15.05	15.10	15.07			
15	16QAM	1	74	14.90	14.99	15.07	15.5	0	
15	16QAM	36	0	14.85	14.90	14.90			
15	16QAM	36	20	15.01	15.06	14.95			
15	16QAM	36	39	14.87	14.95	14.96	15.5	0	
15	16QAM	75	0	14.94	15.05	14.95			
15	64QAM	1	0	14.94	14.95	14.94	15.5	0	
15	64QAM	1	37	15.02	15.06	15.06			
15	64QAM	1	74	14.94	14.96	15.12			
15	64QAM	36	0	14.90	14.86	14.88	15.5	0	
15	64QAM	36	20	14.96	15.06	14.99			
15	64QAM	36	39	14.83	14.97	15.00			
15	64QAM	75	0	14.99	15.06	14.92	15.5	0	
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	14.92	14.96	14.96	15.5	0	
10	QPSK	1	25	15.06	15.11	15.09			
10	QPSK	1	49	14.97	15.04	15.06			
10	QPSK	25	0	14.93	14.89	14.94	15.5	0	
10	QPSK	25	12	15.04	15.10	15.05			
10	QPSK	25	25	14.87	15.01	15.05			
10	QPSK	50	0	14.97	15.11	15.00	15.5	0	
10	16QAM	1	0	14.90	14.90	14.95			
10	16QAM	1	25	15.02	15.12	15.11			
10	16QAM	1	49	14.93	14.96	15.04	15.5	0	
10	16QAM	25	0	14.90	14.87	14.90			
10	16QAM	25	12	14.98	15.11	14.95			
10	16QAM	25	25	14.85	14.97	14.98	15.5	0	
10	16QAM	50	0	14.96	15.04	14.96			
10	64QAM	1	0	14.91	14.95	14.95	15.5	0	
10	64QAM	1	25	14.99	15.09	15.06			
10	64QAM	1	49	14.94	14.94	15.12			
10	64QAM	25	0	14.91	14.86	14.88	15.5	0	
10	64QAM	25	12	14.96	15.09	15.00			
10	64QAM	25	25	14.94	14.93	14.99			
10	64QAM	50	0	14.94	15.03	14.94	15.5	0	
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2602.5	2635	2667.5			
5	QPSK	1	0	14.94	14.98	14.98	15.5	0	
5	QPSK	1	12	15.08	15.11	15.13			
5	QPSK	1	24	14.97	15.07	15.08			
5	QPSK	12	0	14.91	14.93	14.94	15.5	0	
5	QPSK	12	7	15.01	15.14	15.04			
5	QPSK	12	13	14.91	14.98	15.01			
5	QPSK	25	0	14.96	15.10	14.98	15.5	0	
5	16QAM	1	0	14.93	14.96	14.92			
5	16QAM	1	12	15.02	15.08	15.11			
5	16QAM	1	24	14.89	14.95	15.08	15.5	0	
5	16QAM	12	0	14.90	14.87	14.91			
5	16QAM	12	7	15.02	15.09	14.98			
5	16QAM	12	13	14.86	14.96	14.95	15.5	0	
5	16QAM	25	0	14.94	15.06	14.98			
5	64QAM	1	0	14.91	14.97	14.99	15.5	0	
5	64QAM	1	12	14.99	15.10	15.12			
5	64QAM	1	24	14.89	14.95	15.08			
5	64QAM	12	0	14.91	14.83	14.88	15.5	0	
5	64QAM	12	7	14.96	15.06	15.01			
5	64QAM	12	13	14.87	14.93	15.02			
5	64QAM	25	0	14.96	15.01	14.95	15.5	0	
Channel				20700	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2607.5	2635	2667.5			
1.4	QPSK	1	0	21.78	21.63	21.60	22.5	0	
1.4	QPSK	1	3	21.79	21.77	21.65			
1.4	QPSK	1	6	21.66	21.50	21.54			
1.4	QPSK	3	0	21.69	21.58	21.58	22.5	0	
1.4	QPSK	3	1	21.74	21.78	21.56			
1.4	QPSK	3	3	21.48	21.52	21.50			
1.4	QPSK	6	0	21.68	21.71	21.55	22.5	0	
1.4	16QAM	1	0	21.70	21.62	21.55			
1.4	16QAM	1	3	21.75	21.76	21.62			
1.4	16QAM	1	6	21.53	21.50	21.49	22.5	0	
1.4	16QAM	3	0	21.63	21.55	21.52			
1.4	16QAM	3	1	21.73	21.69	21.57			
1.4	16QAM	3	3	21.47	21.45	21.42	22	0.5	
1.4	16QAM	6	0	20.97	20.97	20.97			
1.4	64QAM	1	0	21.13	21.11	21.18	22	0.5	
1.4	64QAM	1	3	21.10	21.19	21.21			
1.4	64QAM	1	6	21.21	21.12	21.05			
1.4	64QAM	3	0	21.08	21.06	21.17	22	0.5	
1.4	64QAM	3	1	21.08	21.13	21.15			
1.4	64QAM	3	3	21.16	21.09	21.06			
1.4	64QAM	6	0	20.01	19.97	19.95	21	1.5	

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.79	21.68	21.65	22.5	0	
15	QPSK	1	37	21.80	21.63	21.67			
15	QPSK	1	74	21.62	21.57	21.58			
15	QPSK	36	0	21.76	21.65	21.60	22.5	0	
15	QPSK	36	20	21.79	21.62	21.61			
15	QPSK	36	39	21.55	21.53	21.53			
15	QPSK	75	0	21.70	21.75	21.62	22.5	0	
15	16QAM	1	0	21.73	21.76	21.59			
15	16QAM	1	37	21.78	21.79	21.65			
15	16QAM	1	74	21.56	21.51	21.54	22	0.5	
15	16QAM	36	0	21.05	20.97	21.06			
15	16QAM	36	20	21.03	20.99	20.99			
15	16QAM	36	39	21.06	20.97	20.94	22	0.5	
15	16QAM	75	0	21.03	21.02	20.98			
15	64QAM	1	0	21.20	21.12	21.20	22	0.5	
15	64QAM	1	37	21.17	21.26	21.22			
15	64QAM	1	74	21.21	21.14	21.12			
15	64QAM	36	0	20.01	20.01	20.03	21	1.5	
15	64QAM	36	20	20.00	19.97	19.97			
15	64QAM	36	39	20.04	20.00	19.94			
15	64QAM	75	0	20.07	19.99	20.02			
Channel				26760	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.74	21.63	21.64	22.5	0	
10	QPSK	1	25	21.76	21.77	21.80			
10	QPSK	1	49	21.57	21.53	21.56			
10	QPSK	25	0	21.73	21.73	21.58	22.5	0	
10	QPSK	25	12	21.73	21.75	21.59			
10	QPSK	25	25	21.52	21.48	21.49			
10	QPSK	50	0	21.65	21.68	21.55	22.5	0	
10	16QAM	1	0	21.67	21.60	21.53			
10	16QAM	1	25	21.73	21.78	21.84			
10	16QAM	1	49	21.51	21.48	21.53	22	0.5	
10	16QAM	25	0	20.98	20.90	21.03			
10	16QAM	25	12	21.01	20.99	20.93			
10	16QAM	25	25	21.04	20.96	20.91	22	0.5	
10	16QAM	50	0	20.98	20.96	20.93			
10	64QAM	1	0	21.13	21.10	21.16	22	0.5	
10	64QAM	1	25	21.12	21.23	21.16			
10	64QAM	1	49	21.19	21.08	21.08			
10	64QAM	25	0	19.94	19.96	19.99	21	1.5	
10	64QAM	25	12	19.95	19.92	19.91			
10	64QAM	25	25	20.02	19.96	19.91			
10	64QAM	50	0	20.01	19.92	20.01			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.76	21.65	21.68	22.5	0	
5	QPSK	1	12	21.75	21.76	21.58			
5	QPSK	1	24	21.60	21.54	21.55			
5	QPSK	12	0	21.74	21.60	21.56	22.5	0	
5	QPSK	12	7	21.73	21.76	21.58			
5	QPSK	12	13	21.51	21.51	21.46			
5	QPSK	25	0	21.68	21.69	21.61	22.5	0	
5	16QAM	1	0	21.66	21.61	21.53			
5	16QAM	1	12	21.72	21.74	21.59			
5	16QAM	1	24	21.49	21.49	21.50	22	0.5	
5	16QAM	12	0	21.01	20.93	20.99			
5	16QAM	12	7	20.99	20.96	20.97			
5	16QAM	12	13	21.04	20.91	20.87	22	0.5	
5	16QAM	25	0	20.97	21.00	20.91			
5	64QAM	1	0	21.17	21.06	21.19	22	0.5	
5	64QAM	1	12	21.14	21.24	21.18			
5	64QAM	1	24	21.19	21.07	21.05			
5	64QAM	12	0	19.96	19.97	20.02	21	1.5	
5	64QAM	12	7	19.97	19.92	19.90			
5	64QAM	12	13	20.02	19.94	19.93			
5	64QAM	25	0	20.01	19.94	20.00			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.77	21.67	21.63	22.5	0	
3	QPSK	1	8	21.77	21.81	21.63			
3	QPSK	1	14	21.58	21.53	21.57			
3	QPSK	8	0	21.73	21.56	21.58	22.5	0	
3	QPSK	8	4	21.78	21.75	21.62			
3	QPSK	8	7	21.50	21.49	21.48			
3	QPSK	15	0	21.69	21.74	21.60	22.5	0	
3	16QAM	1	0	21.67	21.60	21.53			
3	16QAM	1	8	21.72	21.75	21.64			
3	16QAM	1	14	21.51	21.48	21.51	22	0.5	
3	16QAM	8	0	21.02	20.90	21.01			
3	16QAM	8	4	20.96	20.92	20.95			
3	16QAM	8	7	21.00	20.92	20.91	22	0.5	
3	16QAM	15	0	20.96	20.98	20.94			
3	64QAM	1	0	21.19	21.09	21.14	22	0.5	
3	64QAM	1	8	21.12	21.21	21.21			
3	64QAM	1	14	21.22	21.07	21.11			
3	64QAM	8	0	19.98	20.00	20.02	21	1.5	
3	64QAM	8	4	19.99	19.94	19.92			
3	64QAM	8	7	19.96	19.95	19.87			
3	64QAM	15	0	20.01	19.92	19.96			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.76	21.63	21.60	22.5	0	
1.4	QPSK	1	3	21.79	21.77	21.65			
1.4	QPSK	1	5	21.56	21.50	21.54			
1.4	QPSK	3	0	21.69	21.58	21.58	22.5	0	
1.4	QPSK	3	1	21.74	21.78	21.58			
1.4	QPSK	3	3	21.48	21.52	21.50			
1.4	QPSK	6	0	21.68	21.71	21.55	22.5	0	
1.4	QPSK	6	1	21.70	21.62	21.55			
1.4	16QAM	1	0	21.75	21.78	21.62			
1.4	16QAM	1	5	21.53	21.50	21.49	22.5	0	
1.4	16QAM	3	0	21.63	21.55	21.52			
1.4	16QAM	3	1	21.73	21.69	21.57			
1.4	16QAM	3	3	21.47	21.45	21.42	22	0.5	
1.4	16QAM	6	0	20.97	20.97	20.97			
1.4	64QAM	1	0	21.13	21.11	21.18	22	0.5	
1.4	64QAM	1	3	21.30	21.19	21.21			
1.4	64QAM	1	5	21.21	21.12	21.06			
1.4	64QAM	3	0	21.08	21.08	21.17	21	1.5	
1.4	64QAM	3	1	21.08	21.13	21.15			
1.4	64QAM	3	3	21.18	21.09	21.00			
1.4	64QAM	6	0	20.01	19.97	19.95			

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	22.75	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.70	21.89	21.69			
20	QPSK	1	49	21.74	21.79	21.73			
20	QPSK	1	99	21.60	21.62	21.31	22.75	0	
20	QPSK	50	0	21.86	21.67	21.85			
20	QPSK	50	24	21.72	21.70	21.72			
20	QPSK	50	50	21.58	21.58	21.26			
20	QPSK	100	0	21.88	21.75	21.88	22.75	0	
20	16QAM	1	0	21.84	21.85	21.88			
20	16QAM	1	49	21.72	21.75	21.69			
20	16QAM	1	99	21.53	21.60	21.26			
20	16QAM	50	0	21.28	21.35	21.33	22	0.75	
20	16QAM	50	24	21.37	21.33	21.34			
20	16QAM	50	50	21.36	21.36	21.32			
20	16QAM	100	0	21.32	21.33	21.37			
20	64QAM	1	0	20.95	21.08	21.04	22	0.75	
20	64QAM	1	49	21.10	21.19	21.13			
20	64QAM	1	99	21.08	21.05	21.02			
20	64QAM	50	0	20.21	20.25	20.30			
20	64QAM	50	24	20.31	20.32	20.36	21	1.75	
20	64QAM	50	50	20.34	20.30	20.30			
20	64QAM	100	0	20.25	20.35	20.34			
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2587.5	2595	2612.5	22.75	0	
15	QPSK	1	0	21.69	21.85	21.65			
15	QPSK	1	37	21.72	21.76	21.71			
15	QPSK	1	74	21.58	21.55	21.27			
15	QPSK	36	0	21.85	21.85	21.60	22.75	0	
15	QPSK	36	20	21.64	21.89	21.65			
15	QPSK	36	39	21.52	21.54	21.23			
15	QPSK	75	0	21.62	21.73	21.59			
15	16QAM	1	0	21.62	21.61	21.64	22.75	0	
15	16QAM	1	37	21.67	21.74	21.68			
15	16QAM	1	74	21.50	21.58	21.43			
15	16QAM	36	0	21.23	21.33	21.29			
15	16QAM	36	20	21.33	21.28	21.29	22	0.75	
15	16QAM	36	39	21.34	21.29	21.27			
15	16QAM	75	0	21.31	21.29	21.35			
15	64QAM	1	0	20.91	21.00	20.97			
15	64QAM	1	37	21.05	21.12	21.09	22	0.75	
15	64QAM	1	74	21.02	21.03	20.98			
15	64QAM	36	0	20.15	20.19	20.24			
15	64QAM	36	20	20.28	20.27	20.33			
15	64QAM	36	39	20.33	20.29	20.26	21	1.75	
15	64QAM	75	0	20.18	20.30	20.32			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22.75	0	
10	QPSK	1	0	21.68	21.88	21.67			
10	QPSK	1	25	21.68	21.77	21.71			
10	QPSK	1	49	21.58	21.60	21.40			
10	QPSK	25	0	21.65	21.64	21.58	22.75	0	
10	QPSK	25	12	21.65	21.70	21.68			
10	QPSK	25	25	21.56	21.54	21.22			
10	QPSK	50	0	21.85	21.72	21.82			
10	16QAM	1	0	21.81	21.64	21.82	22.75	0	
10	16QAM	1	25	21.71	21.68	21.82			
10	16QAM	1	49	21.51	21.58	21.23			
10	16QAM	25	0	21.25	21.29	21.32			
10	16QAM	25	12	21.31	21.28	21.29	22	0.75	
10	16QAM	25	25	21.35	21.33	21.27			
10	16QAM	50	0	21.30	21.27	21.36			
10	64QAM	1	0	20.88	21.05	21.01			
10	64QAM	1	25	21.08	21.14	21.08	22	0.75	
10	64QAM	1	49	21.02	20.98	20.97			
10	64QAM	25	0	20.17	20.18	20.27			
10	64QAM	25	12	20.30	20.31	20.30			
10	64QAM	25	25	20.33	20.27	20.25	21	1.75	
10	64QAM	50	0	20.18	20.30	20.27			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22.75	0	
5	QPSK	1	0	21.65	21.84	21.63			
5	QPSK	1	12	21.71	21.73	21.88			
5	QPSK	1	24	21.54	21.57	21.30			
5	QPSK	12	0	21.64	21.65	21.60	22.75	0	
5	QPSK	12	7	21.68	21.74	21.69			
5	QPSK	12	13	21.54	21.52	21.45			
5	QPSK	25	0	21.62	21.70	21.65			
5	16QAM	1	0	21.62	21.62	21.68	22.75	0	
5	16QAM	1	12	21.68	21.73	21.62			
5	16QAM	1	24	21.49	21.57	21.33			
5	16QAM	12	0	21.19	21.30	21.30			
5	16QAM	12	7	21.32	21.28	21.29	22	0.75	
5	16QAM	12	13	21.35	21.29	21.31			
5	16QAM	25	0	21.27	21.30	21.30			
5	64QAM	1	0	20.93	21.05	21.00			
5	64QAM	1	12	21.09	21.18	21.12	22	0.75	
5	64QAM	1	24	21.06	21.00	20.97			
5	64QAM	12	0	20.19	20.19	20.28			
5	64QAM	12	7	20.25	20.28	20.32			
5	64QAM	12	13	20.32	20.29	20.23	21	1.75	
5	64QAM	25	0	20.23	20.29	20.31			

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	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.17	22.28	22.27	22.33	21.92				
20	QPSK	1	49	22.19	22.35	22.28	22.36	21.99				
20	QPSK	1	99	22.16	22.20	22.21	22.31	21.47	23	0		
20	QPSK	50	0	21.62	21.65	21.75	21.89	21.83				
20	QPSK	50	24	21.62	21.69	21.76	21.96	21.85				
20	QPSK	50	50	21.58	21.56	21.64	21.86	21.83				
20	QPSK	100	0	21.75	21.76	21.66	21.67	21.85	23	0		
20	16QAM	1	0	21.58	21.54	21.68	21.86	21.79				
20	16QAM	1	49	21.57	21.62	21.72	21.93	21.83				
20	16QAM	1	99	21.55	21.55	21.58	21.85	21.80				
20	16QAM	50	0	21.11	21.16	21.30	21.19	21.09	22.5	0.5		
20	16QAM	50	24	21.08	21.26	21.36	21.16	21.04				
20	16QAM	50	50	21.09	21.25	21.37	21.22	21.00				
20	16QAM	100	0	21.12	21.22	21.38	21.23	21.06				
20	64QAM	1	0	20.83	20.92	21.06	20.93	20.76	22.5	0.5		
20	64QAM	1	49	20.84	21.00	21.15	20.98	20.82				
20	64QAM	1	99	20.82	21.01	21.04	20.94	20.78				
20	64QAM	50	0	20.09	20.17	20.25	20.20	20.03				
20	64QAM	50	24	20.15	20.19	20.36	20.14	19.99	21.5	1.5		
20	64QAM	50	50	20.06	20.19	20.33	20.14	20.00				
20	64QAM	100	0	20.16	20.23	20.34	20.19	20.04				
Channel				39750	40173	40620	41058	41515	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23	0		
15	QPSK	1	0	22.11	22.21	22.22	22.32	21.90				
15	QPSK	1	37	22.16	22.32	22.25	22.30	21.86				
15	QPSK	1	74	22.11	22.16	22.14	22.30	21.40				
15	QPSK	36	0	21.59	21.59	21.74	21.83	21.77	23	0		
15	QPSK	36	20	21.58	21.62	21.71	21.89	21.81				
15	QPSK	36	39	21.57	21.55	21.57	21.85	21.81				
15	QPSK	75	0	21.73	21.69	21.61	21.81	21.78				
15	16QAM	1	0	21.51	21.60	21.62	21.84	21.73	23	0		
15	16QAM	1	37	21.56	21.57	21.67	21.90	21.77				
15	16QAM	1	74	21.48	21.50	21.56	21.84	21.75				
15	16QAM	36	0	21.05	21.13	21.28	21.16	21.04				
15	16QAM	36	20	21.07	21.20	21.34	21.13	20.98	22.5	0.5		
15	16QAM	36	39	21.04	21.24	21.35	21.15	20.84				
15	16QAM	75	0	21.10	21.16	21.34	21.16	20.99				
15	64QAM	1	0	20.77	20.91	20.99	20.90	20.73				
15	64QAM	1	37	20.81	20.94	21.09	20.96	20.80	22.5	0.5		
15	64QAM	1	74	20.79	20.96	20.97	20.93	20.77				
15	64QAM	36	0	20.04	20.12	20.22	20.16	20.00				
15	64QAM	36	20	20.10	20.14	20.29	20.12	19.93				
15	64QAM	36	39	20.04	20.15	20.26	20.12	19.95	21.5	1.5		
15	64QAM	75	0	20.14	20.20	20.28	20.15	20.00				
Channel				39750	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2501	2547	2593	2639	2685	23	0		
10	QPSK	1	0	22.12	22.25	22.21	22.28	21.91				
10	QPSK	1	25	22.15	22.32	22.24	22.31	21.85				
10	QPSK	1	49	22.13	22.14	22.19	22.26	21.46				
10	QPSK	25	0	21.58	21.59	21.69	21.85	21.81	23	0		
10	QPSK	25	12	21.55	21.63	21.71	21.94	21.83				
10	QPSK	25	25	21.55	21.52	21.61	21.80	21.77				
10	QPSK	50	0	21.71	21.72	21.61	21.84	21.78				
10	16QAM	1	0	21.51	21.61	21.66	21.85	21.78	23	0		
10	16QAM	1	25	21.50	21.60	21.70	21.88	21.78				
10	16QAM	1	49	21.52	21.49	21.51	21.81	21.78				
10	16QAM	25	0	21.04	21.09	21.23	21.12	21.08				
10	16QAM	25	12	21.02	21.24	21.29	21.12	21.01	22.5	0.5		
10	16QAM	25	25	21.02	21.22	21.35	21.18	20.93				
10	16QAM	50	0	21.10	21.18	21.34	21.20	21.04				
10	16QAM	50	0	20.80	20.88	21.04	20.92	20.70				
10	64QAM	1	25	20.81	20.96	21.09	20.94	20.79	22.5	0.5		
10	64QAM	1	49	20.81	20.96	20.99	20.90	20.74				
10	64QAM	25	0	20.03	20.13	20.22	20.13	19.96				
10	64QAM	25	12	20.10	20.12	20.22	20.06	19.85				
10	64QAM	25	25	20.00	20.10	20.24	20.13	19.84	21.5	1.5		
10	64QAM	50	0	20.11	20.20	20.28	20.18	19.99				
Channel				39875	40148	40620	41093	41555			Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2499.5	2545.5	2593	2640.30	2687.5			23	0
5	QPSK	1	0	22.15	22.26	22.24	22.28	21.85				
5	QPSK	1	12	22.12	22.31	22.21	22.34	21.95				
5	QPSK	1	24	22.11	22.15	22.16	22.24	21.42				
5	QPSK	12	0	21.56	21.62	21.73	21.88	21.78	23	0		
5	QPSK	12	7	21.57	21.65	21.73	21.94	21.84				
5	QPSK	12	13	21.57	21.50	21.63	21.79	21.81				
5	QPSK	25	0	21.73	21.71	21.60	21.80	21.81				
5	16QAM	1	0	21.57	21.61	21.65	21.85	21.74	23	0		
5	16QAM	1	12	21.51	21.56	21.65	21.87	21.81				
5	16QAM	1	24	21.54	21.53	21.52	21.83	21.77				
5	16QAM	12	0	21.09	21.10	21.23	21.13	21.08				
5	16QAM	12	7	21.06	21.20	21.35	21.11	21.01	22.5	0.5		
5	16QAM	12	13	21.05	21.12	21.30	21.20	20.95				
5	16QAM	25	0	21.11	21.19	21.33	21.20	20.99				
5	64QAM	1	0	20.81	20.91	21.04	20.86	20.74				
5	64QAM	1	12	20.78	20.94	21.11	20.96	20.81	22.5	0.5		
5	64QAM	1	24	20.76	20.99	21.16	20.95	20.71				
5	64QAM	12	0	20.05	20.15	20.19	20.18	20.02				
5	64QAM	12	7	20.11	20.18	20.29	20.10	19.98				
5	64QAM	12	13	19.99	20.12	20.28	20.11	19.93	21.5	1.5		
5	64QAM	25	0	20.11	20.17	20.30	20.18	20.03				

Reduced Power for NSA DSI 2

Band 2_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
				16700	16900	19100				
Frequency (MHz)				1660	1680	1900				
20	QPSK	1	0	22.19	22.21	22.22	23.5	0		
20	QPSK	1	49	22.31	22.39	22.28				
20	QPSK	50	0	21.66	21.68	21.70				
20	QPSK	50	24	21.66	21.79	21.72	23	0.5		
20	QPSK	50	50	21.65	21.67	21.67				
20	QPSK	100	0	21.69	21.76	21.70				
20	16QAM	1	0	21.78	21.84	21.85	23	0.5		
20	16QAM	1	49	21.86	21.98	22.07				
20	16QAM	1	99	21.68	21.83	21.96				
20	16QAM	50	0	20.53	20.66	20.83	22	1.5		
20	16QAM	50	24	20.58	20.70	20.85				
20	16QAM	50	50	20.52	20.70	20.81				
20	16QAM	100	0	20.56	20.69	20.81	22	1.5		
20	64QAM	1	0	20.66	20.75	20.79				
20	64QAM	1	49	20.73	20.88	20.95				
20	64QAM	1	99	20.59	20.80	20.96	21	2.5		
20	64QAM	50	0	19.53	19.65	19.82				
20	64QAM	50	24	19.57	19.70	19.82				
20	64QAM	50	50	19.55	19.68	19.78				
20	64QAM	100	0	19.52	19.71	19.80				
Channel										
Frequency (MHz)				16675	16900	19125	Time-up limit (dBm)	MPR (dB)		
				1687.5	1690	1902.5				
15	QPSK	1	0	21.94	22.13	22.26	23.5	0		
15	QPSK	1	37	22.01	22.29	22.35				
15	QPSK	1	74	21.93	22.23	22.33				
15	QPSK	36	0	21.48	21.69	21.86	23	0.5		
15	QPSK	36	20	21.53	21.72	21.82				
15	QPSK	36	39	21.53	21.74	21.78				
15	QPSK	75	0	21.51	21.72	21.85	23	0.5		
15	16QAM	1	0	21.73	21.91	21.96				
15	16QAM	1	37	21.83	22.04	22.06				
15	16QAM	1	74	21.75	21.95	21.98	22	1.5		
15	16QAM	36	0	20.54	20.70	20.86				
15	16QAM	36	20	20.54	20.71	20.83				
15	16QAM	36	39	20.57	20.73	20.78	22	1.5		
15	16QAM	75	0	20.54	20.74	20.85				
15	64QAM	1	0	20.67	20.83	20.94				
15	64QAM	1	37	20.74	20.97	21.07	22	1.5		
15	64QAM	1	74	20.62	20.88	20.92				
15	64QAM	36	0	19.56	19.73	19.87				
15	64QAM	36	20	19.54	19.71	19.81	21	2.5		
15	64QAM	36	39	19.59	19.76	19.77				
15	64QAM	75	0	19.53	19.72	19.83				
Channel										
Frequency (MHz)				16650	16900	19150	Time-up limit (dBm)	MPR (dB)		
				1655	1680	1905				
10	QPSK	1	0	21.96	22.19	22.29	23.5	0		
10	QPSK	1	25	21.96	22.23	22.27				
10	QPSK	1	49	21.97	22.23	22.29				
10	QPSK	25	0	21.48	21.72	21.87	23	0.5		
10	QPSK	25	12	21.50	21.72	21.81				
10	QPSK	25	25	21.52	21.73	21.83				
10	QPSK	50	0	21.55	21.73	21.86	23	0.5		
10	16QAM	1	0	21.80	21.94	22.06				
10	16QAM	1	25	21.81	21.99	21.98				
10	16QAM	1	49	21.77	21.91	22.01	22	1.5		
10	16QAM	25	0	20.53	20.73	20.88				
10	16QAM	25	12	20.56	20.71	20.80				
10	16QAM	25	25	20.54	20.74	20.84	22	1.5		
10	16QAM	50	0	20.55	20.71	20.86				
10	64QAM	1	0	20.75	20.85	21.07				
10	64QAM	1	25	20.73	20.91	21.02	22	1.5		
10	64QAM	1	49	20.70	20.88	21.05				
10	64QAM	25	0	19.51	19.69	19.87				
10	64QAM	25	12	19.54	19.69	19.78	21	2.5		
10	64QAM	25	25	19.55	19.71	19.82				
10	64QAM	50	0	19.53	19.67	19.81				
Channel										
Frequency (MHz)				16625	16900	19175	Time-up limit (dBm)	MPR (dB)		
				1652.5	1690	1907.5				
5	QPSK	1	0	21.93	22.19	22.23	23.5	0		
5	QPSK	1	12	21.96	22.31	22.33				
5	QPSK	1	24	21.99	22.22	22.27				
5	QPSK	12	0	21.50	21.74	21.80	23	0.5		
5	QPSK	12	7	21.49	21.73	21.81				
5	QPSK	12	13	21.51	21.73	21.80				
5	QPSK	25	0	21.54	21.76	21.83	23	0.5		
5	16QAM	1	0	21.74	21.91	21.95				
5	16QAM	1	12	21.76	22.03	21.92				
5	16QAM	1	24	21.72	21.95	21.96	22	1.5		
5	16QAM	12	0	20.54	20.73	20.78				
5	16QAM	12	7	20.52	20.70	20.78				
5	16QAM	12	13	20.54	20.73	20.80	22	1.5		
5	16QAM	25	0	20.55	20.74	20.81				
5	64QAM	1	0	20.71	20.85	20.86				
5	64QAM	1	12	20.70	20.95	21.00	22	1.5		
5	64QAM	1	24	20.77	20.88	20.98				
5	64QAM	12	0	19.56	19.77	19.81				
5	64QAM	12	7	19.57	19.75	19.82	21	2.5		
5	64QAM	12	13	19.57	19.75	19.84				
5	64QAM	25	0	19.54	19.69	19.80				
Channel										
Frequency (MHz)				16615	16900	19185	Time-up limit (dBm)	MPR (dB)		
				1651.5	1680	1906.5				
3	QPSK	1	0	21.90	22.19	22.26	23.5	0		
3	QPSK	1	8	21.90	22.20	22.25				
3	QPSK	1	14	21.95	22.18	22.31				
3	QPSK	8	0	21.46	21.69	21.79	23	0.5		
3	QPSK	8	4	21.43	21.67	21.75				
3	QPSK	8	7	21.46	21.69	21.75				
3	QPSK	15	0	21.45	21.64	21.72	23	0.5		
3	16QAM	1	0	21.71	21.83	21.94				
3	16QAM	1	8	21.65	21.86	21.83				
3	16QAM	1	14	21.71	21.83	21.93	22	1.5		
3	16QAM	8	0	20.53	20.72	20.83				
3	16QAM	8	4	20.47	20.71	20.82				
3	16QAM	8	7	20.50	20.70	20.79	22	1.5		
3	16QAM	15	0	20.50	20.67	20.80				
3	64QAM	1	0	20.62	20.86	20.93				
3	64QAM	1	8	20.50	20.70	20.80	22	1.5		
3	64QAM	1	14	20.63	20.84	20.91				
3	64QAM	8	0	19.54	19.71	19.80				
3	64QAM	8	4	19.48	19.71	19.80	21	2.5		
3	64QAM	8	7	19.49	19.70	19.79				
3	64QAM	15	0	19.46	19.64	19.76				
Channel										
Frequency (MHz)				16607	16900	19193	Time-up limit (dBm)	MPR (dB)		
				16507	1680	1909.3				
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0		
1.4	QPSK	1	3	22.00	22.18	22.32				
1.4	QPSK	1	5	21.96	22.19	22.27				
1.4	QPSK	3	0	22.00	22.18	22.27	23	0.5		
1.4	QPSK	3	1	21.96	22.21	22.29				
1.4	QPSK	3	3	22.00	22.21	22.30				
1.4	16QAM	1	0	21.45	21.68	21.77	23	0.5		
1.4	16QAM	1	3	21.65	21.87	21.84				
1.4	16QAM	1	5	21.68	21.89	21.94				
1.4	16QAM	1	5	21.61	21.86	21.90	23	0.5		
1.4	16QAM	3	0	21.46	21.69	21.79				
1.4	16QAM	3	1	21.48	21.71	21.80				
1.4	16QAM	3	3	21.51	21.69	21.78	22	1.5		
1.4	16QAM	6	0	20.54	20.73	20.84				
1.4	64QAM	1	3	20.61	20.80	20.85				
1.4	64QAM	1	3	20.63	20.84	20.89	22	1.5		
1.4	64QAM	1	5	20.65	20.86	20.92				
1.4	64QAM	3	0	20.55	20.75	20.86				
1.4	64QAM	3	1	20.56	20.76	20.86	21	2.5		
1.4	64QAM	3	3	20.50	20.70	20.85				
1.4	64QAM	6	0	19.44	19.62	19.75				

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)				629	636.5	644				
10	QPSK	1	0	23.68	23.62	23.56	24.5	0		
10	QPSK	1	25	23.72	23.75	23.62				
10	QPSK	1	49	23.55	23.56	23.54				
10	QPSK	25	0	22.18	22.13	22.10	23.5	1		
10	QPSK	25	12	22.20	22.25	22.14				
10	QPSK	25	25	22.17	22.12	22.07				
10	QPSK	50	0	22.19	22.24	22.12	23.5	1		
10	16QAM	1	0	22.24	22.27	22.24				
10	16QAM	1	25	22.27	22.23	22.23				
10	16QAM	1	49	22.18	22.24	22.16	22.5	2		
10	16QAM	25	0	20.97	20.94	20.94				
10	16QAM	25	12	20.98	20.92	20.95				
10	16QAM	25	25	20.97	20.94	20.91	22.5	2		
10	16QAM	50	0	20.98	20.94	20.96				
10	64QAM	1	0	21.15	21.09	21.10				
10	64QAM	1	25	21.13	21.14	21.19	22.5	2		
10	64QAM	1	49	21.06	21.11	21.09				
10	64QAM	25	0	19.97	19.90	19.93				
10	64QAM	25	12	19.99	19.91	19.94	21.5	3		
10	64QAM	25	25	19.97	19.93	19.90				
10	64QAM	50	0	19.96	19.93	19.92				
Channel				20425	20525	20625				
Frequency (MHz)				626.5	636.5	646.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.42	23.38	23.43	24.5	0		
5	QPSK	1	12	23.47	23.50	23.43				
5	QPSK	1	24	23.48	23.43	23.38				
5	QPSK	12	0	21.97	21.94	21.92	23.5	1		
5	QPSK	12	7	21.96	21.92	21.92				
5	QPSK	12	13	21.95	21.90	21.90				
5	QPSK	25	0	21.99	21.97	21.95	23.5	1		
5	16QAM	1	0	22.23	22.14	22.22				
5	16QAM	1	12	22.27	22.28	22.18				
5	16QAM	1	24	22.23	22.17	22.11	22.5	2		
5	16QAM	12	0	20.95	20.95	20.91				
5	16QAM	12	7	20.97	20.93	20.93				
5	16QAM	12	13	20.95	20.89	20.90	22.5	2		
5	16QAM	25	0	21.00	20.94	20.93				
5	64QAM	1	0	21.12	21.08	21.11				
5	64QAM	1	12	21.16	21.16	21.13	22.5	2		
5	64QAM	1	24	21.12	21.09	21.01				
5	64QAM	12	0	20.00	19.97	19.95				
5	64QAM	12	7	19.99	19.93	19.93	21.5	3		
5	64QAM	12	13	19.99	19.92	19.92				
5	64QAM	25	0	19.97	19.93	19.92				
Channel				20415	20525	20635				
Frequency (MHz)				625.5	636.5	647.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.38	23.38	23.33	24.5	0		
3	QPSK	1	8	23.36	23.37	23.36				
3	QPSK	1	14	23.40	23.38	23.37				
3	QPSK	8	0	21.92	21.87	21.90	23.5	1		
3	QPSK	8	4	21.90	21.87	21.88				
3	QPSK	8	7	21.92	21.86	21.82				
3	QPSK	15	0	21.91	21.89	21.84	23.5	1		
3	16QAM	1	0	22.17	22.13	22.08				
3	16QAM	1	8	22.15	22.12	22.09				
3	16QAM	1	14	22.20	22.12	22.11	22.5	2		
3	16QAM	8	0	20.97	20.92	20.96				
3	16QAM	8	4	20.96	20.93	20.91				
3	16QAM	8	7	20.95	20.92	20.88	22.5	2		
3	16QAM	15	0	20.93	20.91	20.87				
3	64QAM	1	0	21.03	21.02	21.02				
3	64QAM	1	8	21.04	21.00	20.99	22.5	2		
3	64QAM	1	14	21.11	21.05	20.96				
3	64QAM	8	0	19.98	19.91	19.96				
3	64QAM	8	4	19.95	19.91	19.90	21.5	3		
3	64QAM	8	7	19.99	19.90	19.88				
3	64QAM	15	0	19.92	19.90	19.85				
Channel				20407	20525	20643				
Frequency (MHz)				624.7	636.5	648.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.39	23.38	23.36	24.5	0		
1.4	QPSK	1	3	23.44	23.41	23.38				
1.4	QPSK	1	5	23.45	23.41	23.37				
1.4	QPSK	3	0	23.44	23.37	23.37	23.5	1		
1.4	QPSK	3	1	23.44	23.39	23.39				
1.4	QPSK	3	3	23.45	23.40	23.39				
1.4	QPSK	6	0	21.94	21.86	21.87	23.5	1		
1.4	16QAM	1	0	22.17	22.12	22.08				
1.4	16QAM	1	3	22.16	22.12	22.11				
1.4	16QAM	1	5	22.18	22.12	22.09	23.5	1		
1.4	16QAM	3	0	21.92	21.82	21.84				
1.4	16QAM	3	1	21.92	21.86	21.87				
1.4	16QAM	3	3	21.94	21.87	21.80	22.5	2		
1.4	16QAM	6	0	21.03	20.92	20.96				
1.4	64QAM	1	0	21.04	21.02	21.01				
1.4	64QAM	1	3	21.03	21.05	21.00	22.5	2		
1.4	64QAM	1	5	21.08	21.07	20.99				
1.4	64QAM	3	0	21.02	20.95	20.94				
1.4	64QAM	3	1	21.01	20.99	20.96	21.5	3		
1.4	64QAM	3	3	21.02	20.97	20.95				
1.4	64QAM	6	0	19.93	19.82	19.86				

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	22.85	22.86	22.56	23.5	0		
20	QPSK	1	49	22.89	22.78	22.62				
20	QPSK	1	99	22.92	22.57	22.58				
20	QPSK	50	0	22.23	22.17	22.11	23	0.5		
20	QPSK	50	24	22.26	22.27	22.12				
20	QPSK	50	50	22.18	22.08	22.07				
20	QPSK	100	0	22.19	22.40	22.09	23	0.5		
20	16QAM	1	0	22.18	22.22	22.17				
20	16QAM	1	49	22.24	22.33	22.31				
20	16QAM	1	99	22.19	22.36	22.25	22	1.5		
20	16QAM	50	0	20.97	21.01	20.99				
20	16QAM	50	24	21.01	21.07	21.04				
20	16QAM	50	50	20.98	21.04	21.13	22	1.5		
20	16QAM	100	0	20.99	21.04	21.05				
20	64QAM	1	0	21.14	21.09	21.07				
20	64QAM	1	49	21.15	21.22	21.20	22	1.5		
20	64QAM	1	99	21.10	21.20	21.39				
20	64QAM	50	0	19.98	20.01	19.98				
20	64QAM	50	24	20.02	20.05	20.03	21	2.5		
20	64QAM	50	50	19.96	20.06	20.11				
20	64QAM	100	0	19.97	20.05	20.05				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.50	22.55	22.52	23.5	0		
15	QPSK	1	37	22.57	22.58	22.65				
15	QPSK	1	74	22.46	22.53	22.68				
15	QPSK	36	0	22.02	22.05	22.05	23	0.5		
15	QPSK	36	20	22.02	22.07	22.14				
15	QPSK	36	39	22.06	22.08	22.12				
15	QPSK	75	0	22.03	22.07	22.18	23	0.5		
15	16QAM	1	0	22.27	22.29	22.27				
15	16QAM	1	37	22.32	22.39	22.40				
15	16QAM	1	74	22.25	22.38	22.30	22	1.5		
15	16QAM	36	0	21.04	21.04	21.08				
15	16QAM	36	20	21.03	21.06	21.12				
15	16QAM	36	39	21.24	21.08	21.14	22	1.5		
15	16QAM	75	0	21.09	21.10	21.12				
15	64QAM	1	0	21.21	21.25	21.15				
15	64QAM	1	37	21.24	21.30	21.34	22	1.5		
15	64QAM	1	74	21.16	21.27	21.38				
15	64QAM	36	0	20.07	20.08	20.09				
15	64QAM	36	20	20.05	20.09	20.15	21	2.5		
15	64QAM	36	39	20.07	20.07	20.20				
15	64QAM	75	0	20.03	20.09	20.15				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	22.65	22.54	22.61	23.5	0		
10	QPSK	1	25	22.66	22.53	22.65				
10	QPSK	1	49	22.60	22.38	22.52				
10	QPSK	25	0	22.06	22.07	22.13	23	0.5		
10	QPSK	25	12	22.06	22.08	22.15				
10	QPSK	25	25	22.08	22.09	22.20				
10	QPSK	50	0	22.08	22.27	22.36	23	0.5		
10	16QAM	1	0	22.38	22.33	22.35				
10	16QAM	1	25	22.28	22.35	22.36				
10	16QAM	1	49	22.31	22.22	22.32	22	1.5		
10	16QAM	25	0	21.07	21.07	21.14				
10	16QAM	25	12	21.03	21.07	21.16				
10	16QAM	25	25	21.09	21.09	21.22	22	1.5		
10	16QAM	50	0	21.09	21.09	21.16				
10	64QAM	1	0	21.26	21.26	21.32				
10	64QAM	1	25	21.19	21.27	21.32	21	2.5		
10	64QAM	1	49	21.25	21.29	21.24				
10	64QAM	25	0	20.08	20.07	20.12				
10	64QAM	25	12	20.08	20.08	20.14	21	2.5		
10	64QAM	25	25	20.07	20.07	20.22				
10	64QAM	50	0	20.07	20.10	20.16				
Channel				20775	21100	21425				
Frequency (MHz)				2602.5	2535	2667.5				
5	QPSK	1	0	22.62	22.62	22.61	23.5	0		
5	QPSK	1	12	22.61	22.58	22.55				
5	QPSK	1	24	22.64	22.42	22.47				
5	QPSK	12	0	22.21	22.15	22.27	23	0.5		
5	QPSK	12	7	22.18	22.16	22.30				
5	QPSK	12	13	22.18	22.15	22.33				
5	QPSK	25	0	22.17	22.16	22.32	23	0.5		
5	16QAM	1	0	22.22	22.21	22.24				
5	16QAM	1	12	22.23	22.21	22.31				
5	16QAM	1	24	22.09	22.24	22.38	22	1.5		
5	16QAM	12	0	21.24	21.19	21.28				
5	16QAM	12	7	21.19	21.17	21.30				
5	16QAM	12	13	21.19	21.15	21.31	22	1.5		
5	16QAM	25	0	21.18	21.17	21.30				
5	64QAM	1	0	21.40	21.31	21.39				
5	64QAM	1	12	21.33	21.37	21.31	22	1.5		
5	64QAM	1	24	21.31	21.38	21.31				
5	64QAM	12	0	20.20	20.23	20.30				
5	64QAM	12	7	20.21	20.24	20.33	21	2.5		
5	64QAM	12	13	20.19	20.20	20.33				
5	64QAM	25	0	20.18	20.18	20.29				

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	19.53	19.62	19.62	20	0	
20	QPSK	1	49	19.63	19.73	19.65			
20	QPSK	1	99	19.59	19.65	19.63			
20	QPSK	50	0	19.52	19.60	19.55			
20	QPSK	50	24	19.60	19.69	19.62	20	0	
20	QPSK	50	50	19.57	19.59	19.60			
20	QPSK	100	0	19.55	19.62	19.59			
20	16QAM	1	0	19.49	19.56	19.57			
20	16QAM	1	49	19.58	19.71	19.63	20	0	
20	16QAM	1	99	19.55	19.61	19.59			
20	16QAM	50	0	19.50	19.56	19.51			
20	16QAM	50	24	19.53	19.67	19.55			
20	16QAM	50	50	19.50	19.57	19.56	20	0	
20	16QAM	100	0	19.51	19.59	19.53			
20	64QAM	1	0	19.48	19.61	19.60			
20	64QAM	1	49	19.57	19.68	19.63	20	0	
20	64QAM	1	99	19.55	19.61	19.62			
20	64QAM	50	0	19.51	19.59	19.48			
20	64QAM	50	24	19.57	19.67	19.57			
20	64QAM	50	50	19.55	19.57	19.54	20	0	
20	64QAM	100	0	19.49	19.59	19.52			
20	64QAM	100	0	19.49	19.59	19.54			
Channel				20925	21100	21375	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	0	19.51	19.55	19.56			
15	QPSK	1	37	19.58	19.67	19.58	20	0	
15	QPSK	1	74	19.53	19.60	19.58			
15	QPSK	36	0	19.46	19.54	19.52			
15	QPSK	36	20	19.57	19.68	19.58			
15	QPSK	36	39	19.55	19.64	19.56	20	0	
15	QPSK	75	0	19.52	19.57	19.56			
15	16QAM	1	0	19.46	19.52	19.50			
15	16QAM	1	37	19.57	19.67	19.59			
15	16QAM	1	74	19.54	19.57	19.54	20	0	
15	16QAM	36	0	19.46	19.55	19.44			
15	16QAM	36	20	19.51	19.60	19.50			
15	16QAM	36	39	19.46	19.56	19.53			
15	16QAM	75	0	19.47	19.53	19.48	20	0	
15	64QAM	1	0	19.44	19.60	19.59			
15	64QAM	1	37	19.54	19.66	19.57			
15	64QAM	1	74	19.49	19.56	19.58			
15	64QAM	36	0	19.44	19.54	19.44	20	0	
15	64QAM	36	20	19.56	19.62	19.53			
15	64QAM	36	39	19.50	19.54	19.53			
15	64QAM	75	0	19.43	19.56	19.50			
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	19.48	19.61	19.56			
10	QPSK	1	25	19.60	19.71	19.62	20	0	
10	QPSK	1	49	19.54	19.62	19.54			
10	QPSK	25	0	19.49	19.56	19.54			
10	QPSK	25	12	19.54	19.67	19.58			
10	QPSK	25	25	19.53	19.65	19.57	20	0	
10	QPSK	50	0	19.53	19.56	19.54			
10	16QAM	1	0	19.43	19.51	19.55			
10	16QAM	1	25	19.56	19.67	19.58			
10	16QAM	1	49	19.53	19.54	19.58	20	0	
10	16QAM	25	0	19.46	19.51	19.47			
10	16QAM	25	12	19.51	19.61	19.49			
10	16QAM	25	25	19.54	19.51	19.54			
10	16QAM	50	0	19.44	19.53	19.46	20	0	
10	64QAM	1	0	19.44	19.57	19.55			
10	64QAM	1	25	19.56	19.64	19.58			
10	64QAM	1	49	19.49	19.59	19.60			
10	64QAM	25	0	19.50	19.52	19.46	20	0	
10	64QAM	25	12	19.56	19.62	19.50			
10	64QAM	25	25	19.48	19.56	19.48			
10	64QAM	50	0	19.45	19.53	19.47			
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2602.5	2635	2667.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	19.50	19.55	19.55			
5	QPSK	1	12	19.61	19.67	19.58	20	0	
5	QPSK	1	24	19.57	19.63	19.57			
5	QPSK	12	0	19.48	19.54	19.48			
5	QPSK	12	7	19.54	19.68	19.57			
5	QPSK	12	13	19.51	19.55	19.58	20	0	
5	QPSK	25	0	19.54	19.59	19.55			
5	16QAM	1	0	19.42	19.53	19.55			
5	16QAM	1	12	19.54	19.64	19.60			
5	16QAM	1	24	19.53	19.59	19.52	20	0	
5	16QAM	12	0	19.44	19.49	19.48			
5	16QAM	12	7	19.47	19.64	19.49			
5	16QAM	12	13	19.46	19.55	19.54			
5	16QAM	25	0	19.50	19.52	19.49	20	0	
5	64QAM	1	0	19.42	19.54	19.54			
5	64QAM	1	12	19.52	19.63	19.57			
5	64QAM	1	24	19.51	19.60	19.61			
5	64QAM	12	0	19.46	19.58	19.41	20	0	
5	64QAM	12	7	19.54	19.60	19.50			
5	64QAM	12	13	19.50	19.54	19.51			
5	64QAM	25	0	19.48	19.56	19.48			

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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.35	23.24	23.23	24	0	
15	QPSK	1	37	23.38	23.39	23.28			
15	QPSK	1	74	23.23	23.16	23.15			
15	QPSK	36	0	22.23	22.19	22.18			
15	QPSK	36	20	22.26	22.27	22.21	23	1	
15	QPSK	36	39	22.24	22.22	22.20			
15	QPSK	75	0	22.25	22.26	22.17			
15	16QAM	1	0	22.37	22.39	22.31	23	1	
15	16QAM	1	37	21.21	21.29	21.24			
15	16QAM	1	74	22.39	22.24	22.23			
15	16QAM	36	0	21.06	21.04	21.07			
15	16QAM	36	20	21.04	21.03	21.04	22	2	
15	16QAM	36	39	21.08	21.02	21.00			
15	16QAM	75	0	21.10	21.03	21.05			
15	64QAM	1	0	21.23	21.18	21.26	22	2	
15	64QAM	1	37	21.21	21.29	21.24			
15	64QAM	1	74	21.20	21.18	21.17			
15	64QAM	36	0	20.06	20.05	20.06			
15	64QAM	36	20	20.04	20.02	20.03	21	3	
15	64QAM	36	39	20.05	20.02	19.99			
15	64QAM	75	0	20.09	20.02	20.04			
Channel				26760	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.07	23.04	23.10	24	0	
10	QPSK	1	25	23.13	23.13	23.07			
10	QPSK	1	49	23.03	23.01	22.99			
10	QPSK	25	0	22.03	22.01	22.03			
10	QPSK	25	12	22.04	22.01	22.02	23	1	
10	QPSK	25	25	22.07	22.03	22.01			
10	QPSK	50	0	22.08	22.01	22.02			
10	16QAM	1	0	22.34	22.32	22.31	23	1	
10	16QAM	1	25	22.42	22.39	22.36			
10	16QAM	1	49	22.31	22.25	22.22			
10	16QAM	25	0	21.04	21.00	21.02			
10	16QAM	25	12	21.01	21.00	21.00	22	2	
10	16QAM	25	25	21.06	21.01	21.01			
10	16QAM	50	0	21.07	21.00	21.01			
10	64QAM	1	0	21.28	21.20	21.19	22	2	
10	64QAM	1	25	21.27	21.28	21.24			
10	64QAM	1	49	21.21	21.19	21.15			
10	64QAM	25	0	20.04	20.02	20.03			
10	64QAM	25	12	20.06	20.00	20.01	21	3	
10	64QAM	25	25	20.07	20.00	20.03			
10	64QAM	50	0	20.06	20.02	20.01			
10	64QAM	50	0	20.06	20.02	20.01			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.02	22.97	22.98	24	0	
5	QPSK	1	12	23.08	23.07	22.98			
5	QPSK	1	24	23.01	23.02	22.96			
5	QPSK	12	0	22.04	22.02	22.03			
5	QPSK	12	17	22.05	22.02	22.01	23	1	
5	QPSK	12	13	22.03	22.00	21.95			
5	QPSK	25	0	22.08	22.05	22.02			
5	16QAM	1	0	22.35	22.28	22.28	23	1	
5	16QAM	1	12	22.37	22.28	22.26			
5	16QAM	1	24	22.25	22.27	22.20			
5	16QAM	12	0	21.06	21.00	21.03			
5	16QAM	12	7	21.07	21.02	21.00	22	2	
5	16QAM	12	13	21.04	21.00	20.95			
5	16QAM	25	0	21.09	21.02	21.02			
5	64QAM	1	0	21.20	21.13	21.17			
5	64QAM	1	12	21.25	21.24	21.17	22	2	
5	64QAM	1	24	21.17	21.17	21.12			
5	64QAM	12	0	20.09	20.03	20.06			
5	64QAM	12	7	20.08	20.05	20.02			
5	64QAM	12	13	20.06	20.04	19.99	21	3	
5	64QAM	25	0	20.04	20.02	20.00			
5	64QAM	25	0	20.04	20.02	20.00			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.99	22.93	22.94	24	0	
3	QPSK	1	8	22.95	22.94	22.92			
3	QPSK	1	14	22.97	22.97	22.85			
3	QPSK	8	0	21.99	21.96	21.98			
3	QPSK	8	4	22.01	21.99	21.92	23	1	
3	QPSK	8	7	22.00	21.98	21.92			
3	QPSK	15	0	22.00	21.98	21.92			
3	16QAM	1	0	22.24	22.20	22.19	23	1	
3	16QAM	1	8	22.22	22.23	22.17			
3	16QAM	1	14	22.27	22.23	22.20			
3	16QAM	8	0	21.08	21.01	21.00			
3	16QAM	8	4	21.04	21.04	20.98	22	2	
3	16QAM	8	7	21.05	21.02	20.95			
3	16QAM	15	0	21.05	20.98	20.95			
3	64QAM	1	0	21.15	21.12	21.08	22	2	
3	64QAM	1	8	21.11	21.12	21.05			
3	64QAM	1	14	21.14	21.14	21.11			
3	64QAM	8	0	20.03	20.00	19.99			
3	64QAM	8	4	20.04	20.00	19.94	21	3	
3	64QAM	8	7	20.02	20.04	19.96			
3	64QAM	15	0	19.99	19.99	19.95			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.05	23.02	22.93	24	0	
1.4	QPSK	1	3	23.03	23.00	22.90			
1.4	QPSK	1	5	23.01	23.01	22.94			
1.4	QPSK	3	0	23.03	23.03	22.98			
1.4	QPSK	3	1	23.04	23.01	22.94	23	1	
1.4	QPSK	3	3	23.03	23.00	22.95			
1.4	QPSK	6	0	22.03	21.98	21.94			
1.4	16QAM	1	0	22.27	22.26	22.17	23	1	
1.4	16QAM	1	3	22.28	22.28	22.15			
1.4	16QAM	1	5	22.25	22.25	22.20			
1.4	16QAM	3	0	22.01	21.97	21.90			
1.4	16QAM	3	3	22.00	21.99	21.92	22	2	
1.4	16QAM	6	0	21.11	21.09	21.01			
1.4	64QAM	1	0	21.17	21.17	21.12			
1.4	64QAM	1	3	21.18	21.18	21.07			
1.4	64QAM	1	5	21.17	21.17	21.12	22	2	
1.4	64QAM	3	0	21.10	21.08	21.03			
1.4	64QAM	3	1	21.11	21.07	20.99			
1.4	64QAM	3	3	21.13	21.12	21.05	21	3	
1.4	64QAM	6	0	20.00	19.96	19.90			

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	21.25		
Frequency (MHz)				2500	2595	2610			
20	QPSK	1	0	20.19	20.13	20.15			
20	QPSK	1	49	20.20	20.25	20.18			
20	QPSK	1	99	20.04	20.07	19.77			
20	QPSK	50	0	20.13	20.14	20.14	21.25	0	
20	QPSK	50	24	20.10	20.20	20.03			
20	QPSK	50	50	20.03	20.07	19.74			
20	QPSK	100	0	20.17	20.21	20.13			
20	16QAM	1	0	20.07	20.11	20.17			
20	16QAM	1	49	20.15	20.18	20.13	21.25	0	
20	16QAM	1	99	19.97	20.08	19.74			
20	16QAM	50	0	20.16	20.09	20.14			
20	16QAM	50	24	20.16	20.09	20.11			
20	16QAM	50	50	20.19	20.20	20.17			
20	16QAM	100	0	20.00	20.04	19.73	21.25	0	
20	64QAM	1	0	20.07	20.10	20.09			
20	64QAM	1	49	20.13	20.15	20.10			
20	64QAM	1	99	19.97	20.05	19.69			
20	64QAM	50	0	20.15	20.18	20.10			
20	64QAM	50	24	20.01	20.08	20.16	21	0.25	
20	64QAM	50	50	20.09	20.11	20.08			
20	64QAM	100	0	19.91	20.02	19.69			
Channel				37850	38000	38150			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.16	20.11	20.09	21.25	0	
15	QPSK	1	37	20.17	20.23	20.11			
15	QPSK	1	74	19.97	20.02	19.75			
15	QPSK	36	0	20.11	20.07	20.09			
15	QPSK	36	20	20.16	20.15	20.14			
15	QPSK	36	39	19.98	20.02	19.73	21.25	0	
15	QPSK	75	0	20.13	20.15	20.12			
15	16QAM	1	0	20.05	20.08	20.16			
15	16QAM	1	37	20.14	20.15	20.06			
15	16QAM	1	74	19.95	20.02	19.70			
15	16QAM	36	0	20.13	20.07	20.07	21.25	0	
15	16QAM	36	20	20.09	20.07	20.06			
15	16QAM	36	39	20.12	20.15	20.13			
15	16QAM	75	0	19.97	20.00	19.67			
15	64QAM	1	0	20.05	20.07	20.02			
15	64QAM	1	37	20.07	20.12	20.09	21.25	0	
15	64QAM	1	74	19.90	19.99	19.63			
15	64QAM	36	0	20.14	20.13	20.07			
15	64QAM	36	20	20.00	20.05	20.14			
15	64QAM	36	39	20.08	20.06	20.02			
15	64QAM	75	0	19.86	20.00	19.67	21	0.25	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.12	20.11	20.10	21.25	0	
10	QPSK	1	25	20.15	20.18	20.15			
10	QPSK	1	49	19.97	20.02	19.73			
10	QPSK	25	0	20.06	20.13	20.11			
10	QPSK	25	13	20.18	20.13	20.14			
10	QPSK	25	25	20.00	20.01	19.69	21.25	0	
10	QPSK	50	0	20.10	20.20	20.07			
10	16QAM	1	0	20.05	20.07	20.16			
10	16QAM	1	25	20.09	20.15	20.08			
10	16QAM	1	49	19.96	20.05	19.71			
10	16QAM	25	0	20.12	20.07	20.07	21.25	0	
10	16QAM	25	12	20.10	20.08	20.05			
10	16QAM	25	25	20.18	20.13	20.16			
10	16QAM	50	0	19.98	19.99	19.65			
10	64QAM	1	0	20.04	20.07	20.05			
10	64QAM	1	25	20.10	20.10	20.06	21.25	0	
10	64QAM	1	49	19.96	20.02	19.68			
10	64QAM	25	0	20.14	20.14	20.06			
10	64QAM	25	12	19.95	20.05	20.13			
10	64QAM	25	25	20.05	20.08	20.01			
10	64QAM	50	0	19.89	19.95	19.64	21	0.25	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.13	20.08	20.10	21.25	0	
5	QPSK	1	12	20.16	20.24	20.15			
5	QPSK	1	24	20.02	20.00	19.71			
5	QPSK	12	0	20.11	20.10	20.13			
5	QPSK	12	7	20.15	20.15	20.14			
5	QPSK	12	13	19.99	20.00	19.68	21.25	0	
5	QPSK	25	0	20.11	20.17	20.11			
5	16QAM	1	0	20.05	20.09	20.13			
5	16QAM	1	12	20.11	20.15	20.10			
5	16QAM	1	24	19.95	20.04	19.69			
5	16QAM	12	0	20.15	20.03	20.11	21.25	0	
5	16QAM	12	7	20.13	20.07	20.05			
5	16QAM	12	13	20.13	20.14	20.14			
5	16QAM	25	0	19.93	20.01	19.69			
5	64QAM	1	0	20.03	20.08	20.08			
5	64QAM	1	12	20.08	20.09	20.05	21.25	0	
5	64QAM	1	24	19.94	20.04	19.66			
5	64QAM	12	0	20.11	20.11	20.06			
5	64QAM	12	7	19.98	20.01	20.15			
5	64QAM	12	13	20.02	20.05	20.02			
5	64QAM	25	0	19.89	19.97	19.61	21	0.25	

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	21.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.61	20.72	20.73	20.79	20.41				
20	QPSK	1	49	20.66	20.83	20.77	20.85	20.45				
20	QPSK	1	99	20.59	20.63	20.67	20.74	19.95				
20	QPSK	50	0	20.10	20.10	20.19	20.35	20.26	21.5	0		
20	QPSK	50	24	20.11	20.12	20.25	20.39	20.28				
20	QPSK	50	50	20.05	20.05	20.12	20.32	20.27				
20	QPSK	100	0	20.18	20.19	20.12	20.35	20.29				
20	16QAM	1	0	20.04	20.09	20.13	20.30	20.26				
20	16QAM	1	49	20.04	20.09	20.20	20.38	20.26	21.5	0		
20	16QAM	1	99	20.00	20.03	20.03	20.34	20.25				
20	16QAM	50	0	20.09	20.08	20.15	20.33	20.23				
20	16QAM	50	24	20.00	20.06	20.23	20.34	20.24				
20	16QAM	50	50	20.00	20.02	20.11	20.30	20.20				
20	16QAM	100	0	20.12	20.17	20.07	20.32	20.22	21.5	0		
20	64QAM	1	0	19.98	20.06	20.12	20.25	20.22				
20	64QAM	1	49	20.02	20.08	20.14	20.33	20.23				
20	64QAM	1	99	19.96	19.99	19.97	20.32	20.21				
20	64QAM	50	0	20.05	20.01	20.13	20.29	20.20				
20	64QAM	50	24	19.95	20.00	20.18	20.31	20.20	21.5	0		
20	64QAM	50	50	19.98	19.97	20.10	20.23	20.17				
20	64QAM	100	0	20.05	20.15	20.04	20.27	20.21				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.58	20.70	20.68	20.76	20.37	21.5	0		
15	QPSK	1	37	20.63	20.76	20.73	20.80	20.38				
15	QPSK	1	74	20.58	20.56	20.63	20.70	19.93				
15	QPSK	36	0	20.07	20.09	20.13	20.29	20.22				
15	QPSK	36	20	20.09	20.09	20.21	20.33	20.26				
15	QPSK	36	39	19.99	19.98	20.06	20.25	20.26	21.5	0		
15	QPSK	75	0	20.12	20.17	20.08	20.29	20.22				
15	16QAM	1	0	20.02	20.05	20.07	20.27	20.21				
15	16QAM	1	37	19.97	20.03	20.18	20.31	20.24				
15	16QAM	1	74	19.98	20.01	19.99	20.32	20.22				
15	16QAM	36	0	20.05	20.06	20.10	20.29	20.18	21.5	0		
15	16QAM	36	20	19.95	19.99	20.18	20.33	20.23				
15	16QAM	36	39	19.94	20.00	20.10	20.26	20.15				
15	16QAM	75	0	20.05	20.01	20.03	20.31	20.16				
15	16QAM	1	0	19.96	20.00	20.09	20.22	20.17				
15	64QAM	1	37	19.98	20.03	20.12	20.32	20.20	21.5	0		
15	64QAM	1	74	19.93	19.93	19.92	20.29	20.14				
15	64QAM	36	0	20.01	19.98	20.09	20.25	20.18				
15	64QAM	36	20	19.91	19.99	20.17	20.25	20.14				
15	64QAM	36	39	19.96	19.90	20.03	20.16	20.16				
15	64QAM	75	0	20.04	20.13	20.02	20.24	20.17	21.5	0		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2590	2639	2685				
10	QPSK	1	0	20.55	20.70	20.72	20.72	20.34			21.5	0
10	QPSK	1	25	20.65	20.82	20.71	20.79	20.43				
10	QPSK	1	49	20.57	20.67	20.62	20.73	19.93				
10	QPSK	25	0	20.06	20.06	20.12	20.31	20.22				
10	QPSK	25	12	20.10	20.08	20.24	20.35	20.26				
10	QPSK	25	25	20.02	19.98	20.05	20.31	20.23	21.5	0		
10	QPSK	50	0	20.15	20.13	20.05	20.33	20.25				
10	16QAM	1	0	19.99	20.04	20.07	20.24	20.28				
10	16QAM	1	25	20.01	20.05	20.17	20.31	20.21				
10	16QAM	1	49	19.94	19.96	19.97	20.32	20.21				
10	16QAM	25	0	20.08	20.02	20.13	20.29	20.16	21.5	0		
10	16QAM	25	12	19.94	19.99	20.22	20.31	20.23				
10	16QAM	25	25	19.99	19.95	20.04	20.25	20.15				
10	16QAM	50	0	20.07	20.15	20.00	20.30	20.21				
10	16QAM	1	0	19.96	20.02	20.07	20.23	20.19				
10	64QAM	1	25	19.97	20.05	20.07	20.31	20.22	21.5	0		
10	64QAM	1	49	19.95	19.92	19.94	20.30	20.17				
10	64QAM	25	0	20.04	19.99	20.12	20.26	20.17				
10	64QAM	25	12	19.98	19.94	19.17	20.26	20.16				
10	64QAM	25	25	19.93	19.94	19.94	20.34	20.23				
10	64QAM	50	0	20.03	20.13	20.02	20.21	20.14	21.5	0		
Channel				39675	40148	40620	41093	41505				
Frequency (MHz)				2498.5	2545.8	2590	2640.3	2687.5				
5	QPSK	1	0	20.56	20.67	20.68	20.73	20.34			21.5	0
5	QPSK	1	12	20.60	20.78	20.76	20.81	20.38				
5	QPSK	1	24	20.54	20.56	20.66	20.67	19.90				
5	QPSK	12	0	20.09	20.05	20.15	20.28	20.25				
5	QPSK	12	7	20.07	20.11	20.24	20.33	20.23				
5	QPSK	12	13	20.03	20.00	20.07	20.28	20.22	21.5	0		
5	QPSK	25	0	20.15	20.17	20.06	20.34	20.24				
5	16QAM	1	0	19.99	20.08	20.12	20.34	20.20				
5	16QAM	1	12	20.02	20.06	20.16	20.31	20.23				
5	16QAM	1	24	19.99	19.97	19.97	20.27	20.24				
5	16QAM	12	0	20.08	20.01	20.13	20.27	20.22	21.5	0		
5	16QAM	12	7	19.98	20.02	20.20	20.32	20.22				
5	16QAM	12	13	19.95	19.99	20.09	20.25	20.17				
5	16QAM	25	0	20.09	20.13	20.05	20.25	20.21				
5	64QAM	1	0	19.93	20.03	20.08	20.18	20.21				
5	64QAM	1	12	19.98	20.01	20.09	20.29	20.21	21.5	0		
5	64QAM	1	24	19.90	19.94	19.95	20.26	20.16				
5	64QAM	12	0	20.00	19.99	20.07	20.24	20.16				
5	64QAM	12	7	19.88	19.97	20.12	20.26	20.16				
5	64QAM	12	13	19.91	19.93	20.03	20.16	20.11				
5	64QAM	25	0	20.03	20.14	20.01	20.25	20.17				

Reduced Power for NSA DSI 4

Band 2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18900	19100			
20	QPSK	1	0	22.19	22.21	22.22	23.5	0	
20	QPSK	1	49	22.31	22.39	22.38			
20	QPSK	1	99	22.30	22.23	22.23			
20	QPSK	50	0	21.66	21.68	21.70	23	0.5	
20	QPSK	50	24	21.67	21.79	21.72			
20	QPSK	50	50	21.65	21.67	21.67			
20	QPSK	100	0	21.69	21.78	21.70	23	0.5	
20	16QAM	1	0	21.78	21.84	21.85			
20	16QAM	1	49	21.86	21.98	22.07			
20	16QAM	1	99	21.68	21.83	21.96	22	1.5	
20	16QAM	50	0	20.53	20.66	20.83			
20	16QAM	50	24	20.58	20.70	20.85			
20	16QAM	50	50	20.52	20.70	20.81	22	1.5	
20	16QAM	100	0	20.56	20.69	20.81			
20	64QAM	1	0	20.66	20.75	20.79			
20	64QAM	1	49	20.73	20.88	20.99	22	1.5	
20	64QAM	1	99	20.59	20.80	20.95			
20	64QAM	50	0	19.53	19.65	19.82			
20	64QAM	50	24	19.57	19.70	19.82	21	2.5	
20	64QAM	50	50	19.52	19.68	19.78			
20	64QAM	100	0	19.55	19.71	19.80			
Channel									
Frequency (MHz)				18675	18900	19125	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.94	22.13	22.26	23.5	0	
15	QPSK	1	37	22.01	22.29	22.35			
15	QPSK	1	74	21.93	22.23	22.33			
15	QPSK	36	0	21.48	21.69	21.86	23	0.5	
15	QPSK	36	20	21.53	21.72	21.82			
15	QPSK	36	39	21.53	21.74	21.78			
15	QPSK	75	0	21.51	21.72	21.85	23	0.5	
15	16QAM	1	0	21.73	21.91	21.96			
15	16QAM	1	37	21.83	22.04	22.06			
15	16QAM	1	74	21.75	21.95	21.98	22	1.5	
15	16QAM	36	0	20.54	20.70	20.86			
15	16QAM	36	20	20.54	20.71	20.83			
15	16QAM	36	39	20.57	20.73	20.78	22	1.5	
15	16QAM	75	0	20.54	20.74	20.85			
15	64QAM	1	0	20.67	20.83	20.94	22	1.5	
15	64QAM	1	37	20.74	20.97	21.07			
15	64QAM	1	74	20.62	20.88	20.92			
15	64QAM	36	0	19.56	19.73	19.87	21	2.5	
15	64QAM	36	20	19.54	19.71	19.81			
15	64QAM	36	39	19.59	19.76	19.77			
15	64QAM	75	0	19.53	19.72	19.83	21	2.5	
Channel									
Frequency (MHz)				18650	18900	19150	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.96	22.19	22.29	23.5	0	
10	QPSK	1	25	21.96	22.23	22.27			
10	QPSK	1	49	21.97	22.23	22.29			
10	QPSK	25	0	21.48	21.72	21.87	23	0.5	
10	QPSK	25	12	21.50	21.72	21.81			
10	QPSK	25	25	21.52	21.73	21.83			
10	QPSK	50	0	21.55	21.73	21.86	23	0.5	
10	16QAM	1	0	21.80	21.94	22.06			
10	16QAM	1	25	21.81	21.99	21.98			
10	16QAM	1	49	21.77	21.91	22.01	22	1.5	
10	16QAM	25	0	20.53	20.73	20.86			
10	16QAM	25	12	20.56	20.71	20.80			
10	16QAM	25	25	20.54	20.74	20.84	22	1.5	
10	16QAM	50	0	20.55	20.71	20.86			
10	64QAM	1	0	20.75	20.85	21.07			
10	64QAM	1	25	20.73	20.91	21.02	22	1.5	
10	64QAM	1	49	20.70	20.88	21.05			
10	64QAM	25	0	19.51	19.69	19.87			
10	64QAM	25	12	19.54	19.69	19.78	21	2.5	
10	64QAM	25	25	19.55	19.71	19.82			
10	64QAM	50	0	19.53	19.67	19.81			
Channel									
Frequency (MHz)				18625	18900	19175	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.93	22.19	22.23	23.5	0	
5	QPSK	1	12	21.96	22.31	22.33			
5	QPSK	1	24	21.99	22.22	22.27			
5	QPSK	12	0	21.50	21.74	21.80	23	0.5	
5	QPSK	12	7	21.49	21.73	21.81			
5	QPSK	12	13	21.51	21.73	21.80			
5	QPSK	25	0	21.54	21.76	21.83	23	0.5	
5	16QAM	1	0	21.74	21.91	21.95			
5	16QAM	1	12	21.76	22.03	21.92			
5	16QAM	1	24	21.72	21.95	21.96	22	1.5	
5	16QAM	12	0	20.54	20.73	20.78			
5	16QAM	12	7	20.52	20.70	20.78			
5	16QAM	12	13	20.54	20.73	20.80	22	1.5	
5	16QAM	25	0	20.55	20.74	20.81			
5	64QAM	1	0	20.71	20.85	20.86			
5	64QAM	1	12	20.70	20.95	21.00	22	1.5	
5	64QAM	1	24	20.77	20.88	20.98			
5	64QAM	12	0	19.56	19.77	19.81			
5	64QAM	12	7	19.57	19.75	19.82	21	2.5	
5	64QAM	12	13	19.57	19.75	19.84			
5	64QAM	25	0	19.54	19.69	19.80			
Channel									
Frequency (MHz)				18615	18900	19185	Time-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.90	22.19	22.26	23.5	0	
3	QPSK	1	8	21.90	22.20	22.25			
3	QPSK	1	14	21.95	22.18	22.31			
3	QPSK	8	0	21.46	21.69	21.78	23	0.5	
3	QPSK	8	4	21.43	21.67	21.75			
3	QPSK	8	7	21.46	21.69	21.75			
3	QPSK	15	0	21.45	21.64	21.72	23	0.5	
3	16QAM	1	0	21.71	21.83	21.94			
3	16QAM	1	8	21.65	21.86	21.83			
3	16QAM	1	14	21.71	21.83	21.93	22	1.5	
3	16QAM	8	0	20.53	20.72	20.83			
3	16QAM	8	4	20.47	20.71	20.82			
3	16QAM	8	7	20.50	20.70	20.79	22	1.5	
3	16QAM	15	0	20.50	20.67	20.78			
3	64QAM	1	0	20.62	20.86	20.91			
3	64QAM	1	8	20.60	20.82	20.88	22	1.5	
3	64QAM	1	14	20.63	20.84	20.93			
3	64QAM	8	0	19.54	19.71	19.80			
3	64QAM	8	4	19.48	19.71	19.80	21	2.5	
3	64QAM	8	7	19.49	19.70	19.79			
3	64QAM	15	0	19.48	19.54	19.76			
Channel									
Frequency (MHz)				18607	18900	19193	Time-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0	
1.4	QPSK	1	3	22.00	22.18	22.32			
1.4	QPSK	1	5	21.95	22.19	22.30			
1.4	QPSK	3	0	22.00	22.18	22.27	23	0.5	
1.4	QPSK	3	1	21.96	22.21	22.29			
1.4	QPSK	3	3	22.00	22.21	22.30			
1.4	QPSK	6	0	21.45	21.68	21.77	23	0.5	
1.4	16QAM	1	0	21.65	21.87	21.94			
1.4	16QAM	1	3	21.68	21.89	21.94			
1.4	16QAM	1	5	21.61	21.86	21.90	23	0.5	
1.4	16QAM	1	8	21.46	21.68	21.79			
1.4	16QAM	1	3	21.48	21.66	21.80			
1.4	16QAM	3	0	21.51	21.69	21.78	22	1.5	
1.4	16QAM	6	0	20.54	20.73	20.84			
1.4	64QAM	1	0	20.61	20.80	20.85			
1.4	64QAM	1	3	20.63	20.84	20.89	22	1.5	
1.4	64QAM	1	5	20.65	20.86	20.92			
1.4	64QAM	3	0	20.55	20.75	20.86			
1.4	64QAM	3	1	20.56	20.76	20.86	22	1.5	
1.4	64QAM	3	3	20.58	20.78	20.84			
1.4	64QAM	6	0	19.48	19.62	19.75			

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	21.5	0		
Frequency (MHz)				629	636.5	644				
10	QPSK	1	0	20.75	20.74	20.68				
10	QPSK	1	25	20.78	20.83	20.69				
10	QPSK	1	49	20.62	20.65	20.60	21.5	0		
10	QPSK	25	0	20.72	20.71	20.69				
10	QPSK	25	12	20.77	20.78	20.83				
10	QPSK	25	25	20.58	20.59	20.56				
10	QPSK	50	0	20.70	20.73	20.80	21.5	0		
10	16QAM	1	0	20.69	20.66	20.67				
10	16QAM	1	25	20.75	20.73	20.66				
10	16QAM	1	49	20.59	20.62	20.56				
10	16QAM	25	0	20.77	20.72	20.57	21.5	0		
10	16QAM	25	12	20.74	20.76	20.66				
10	16QAM	25	25	20.57	20.58	20.55				
10	16QAM	50	0	20.69	20.64	20.52				
10	64QAM	1	0	20.75	20.76	20.83	21.5	0		
10	64QAM	1	25	20.55	20.54	20.48				
10	64QAM	1	49	20.67	20.71	20.82				
10	64QAM	25	0	20.68	20.68	20.58				
10	64QAM	25	12	20.75	20.73	20.59	21.5	0		
10	64QAM	25	25	20.53	20.57	20.53				
10	64QAM	50	0	20.64	20.71	20.56				
10	64QAM	50	0	20.64	20.71	20.56				
Channel				20425	20525	20625	21.5	0		
Frequency (MHz)				629.5	636.5	646.5				
5	QPSK	1	0	20.69	20.69	20.62				
5	QPSK	1	12	20.77	20.76	20.83				
5	QPSK	1	24	20.56	20.59	20.59	21.5	0		
5	QPSK	12	0	20.66	20.68	20.55				
5	QPSK	12	7	20.74	20.75	20.58				
5	QPSK	12	13	20.52	20.58	20.55				
5	QPSK	25	0	20.69	20.68	20.54	21.5	0		
5	16QAM	1	0	20.67	20.59	20.61				
5	16QAM	1	12	20.68	20.66	20.64				
5	16QAM	1	24	20.54	20.61	20.54				
5	16QAM	12	0	20.73	20.66	20.51	21.5	0		
5	16QAM	12	7	20.68	20.70	20.59				
5	16QAM	12	13	20.50	20.55	20.53				
5	16QAM	25	0	20.66	20.61	20.47				
5	64QAM	1	0	20.72	20.70	20.57	21.5	0		
5	64QAM	1	12	20.48	20.50	20.43				
5	64QAM	1	24	20.64	20.66	20.60				
5	64QAM	12	0	20.64	20.67	20.53				
5	64QAM	12	7	20.70	20.67	20.56	21.5	0		
5	64QAM	12	13	20.46	20.56	20.47				
5	64QAM	25	0	20.59	20.68	20.55				
5	64QAM	25	0	20.59	20.68	20.55				
Channel				20415	20525	20635	21.5	0		
Frequency (MHz)				625.5	636.5	647.5				
3	QPSK	1	0	20.71	20.69	20.84				
3	QPSK	1	8	20.75	20.76	20.67				
3	QPSK	1	14	20.61	20.56	20.61	21.5	0		
3	QPSK	8	0	20.65	20.66	20.58				
3	QPSK	8	4	20.73	20.77	20.61				
3	QPSK	8	7	20.49	20.54	20.62				
3	QPSK	15	0	20.63	20.72	20.54	21.5	0		
3	16QAM	1	0	20.64	20.64	20.66				
3	16QAM	1	8	20.68	20.66	20.82				
3	16QAM	1	14	20.58	20.56	20.54				
3	16QAM	8	0	20.72	20.67	20.51	21.5	0		
3	16QAM	8	4	20.69	20.72	20.85				
3	16QAM	8	7	20.53	20.53	20.48				
3	16QAM	15	0	20.65	20.80	20.51				
3	64QAM	1	0	20.71	20.74	20.58	21.5	0		
3	64QAM	1	8	20.48	20.51	20.41				
3	64QAM	1	14	20.62	20.66	20.57				
3	64QAM	8	0	20.67	20.66	20.56				
3	64QAM	8	4	20.70	20.71	20.54	21.5	0		
3	64QAM	8	7	20.49	20.54	20.47				
3	64QAM	15	0	20.62	20.66	20.55				
3	64QAM	15	0	20.62	20.66	20.55				
Channel				20407	20525	20643	21.5	0		
Frequency (MHz)				624.7	636.5	648.3				
1.4	QPSK	1	0	20.72	20.73	20.67				
1.4	QPSK	1	3	20.78	20.78	20.67				
1.4	QPSK	1	5	20.55	20.55	20.59	21.5	0		
1.4	QPSK	3	0	20.65	20.66	20.54				
1.4	QPSK	3	1	20.72	20.77	20.62				
1.4	QPSK	3	3	20.50	20.56	20.49				
1.4	QPSK	6	0	20.66	20.70	20.59	21.5	0		
1.4	16QAM	1	0	20.66	20.65	20.64				
1.4	16QAM	1	3	20.68	20.68	20.62				
1.4	16QAM	1	5	20.52	20.55	20.52				
1.4	16QAM	3	0	20.70	20.71	20.59	21.5	0		
1.4	16QAM	3	1	20.73	20.69	20.54				
1.4	16QAM	3	3	20.50	20.51	20.49				
1.4	16QAM	6	0	20.62	20.61	20.45				
1.4	64QAM	1	0	20.71	20.70	20.61	21.5	0		
1.4	64QAM	1	3	20.53	20.47	20.45				
1.4	64QAM	1	5	20.61	20.64	20.55				
1.4	64QAM	3	0	20.61	20.63	20.51				
1.4	64QAM	3	1	20.74	20.67	20.51	21.5	0		
1.4	64QAM	3	3	20.50	20.53	20.47				
1.4	64QAM	6	0	20.57	20.69	20.51				
1.4	64QAM	6	0	20.57	20.69	20.51				

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	17.56	17.57	17.48	18.5	0	
20	QPSK	1	49	17.62	17.70	17.54			
20	QPSK	1	99	17.60	17.48	17.52			
20	QPSK	50	0	17.52	17.51	17.50			
20	QPSK	50	24	17.55	17.63	17.51	18.5	0	
20	QPSK	50	50	17.52	17.44	17.44			
20	QPSK	100	0	17.52	17.61	17.47			
20	16QAM	1	0	17.51	17.52	17.50			
20	16QAM	1	49	17.61	17.64	17.48	18.5	0	
20	16QAM	1	99	17.51	17.47	17.46			
20	16QAM	50	0	17.52	17.45	17.48			
20	16QAM	50	24	17.52	17.63	17.46			
20	16QAM	50	50	17.51	17.34	17.41	18.5	0	
20	16QAM	100	0	17.49	17.56	17.36			
20	64QAM	1	0	17.56	17.56	17.48			
20	64QAM	1	49	17.56	17.62	17.50			
20	64QAM	1	99	17.52	17.41	17.47	18.5	0	
20	64QAM	50	0	17.55	17.46	17.44			
20	64QAM	50	24	17.53	17.60	17.47			
20	64QAM	50	50	17.46	17.41	17.41			
20	64QAM	100	0	17.53	17.55	17.41			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.55	17.51	17.44	18.5	0	
15	QPSK	1	37	17.60	17.64	17.48			
15	QPSK	1	74	17.59	17.42	17.50			
15	QPSK	36	0	17.46	17.50	17.45			
15	QPSK	36	20	17.48	17.43	17.50	18.5	0	
15	QPSK	36	39	17.48	17.43	17.39			
15	QPSK	75	0	17.50	17.54	17.44			
15	16QAM	1	0	17.49	17.51	17.43			
15	16QAM	1	37	17.59	17.59	17.44	18.5	0	
15	16QAM	1	74	17.49	17.44	17.45			
15	16QAM	36	0	17.51	17.43	17.45			
15	16QAM	36	20	17.49	17.56	17.42			
15	16QAM	36	39	17.44	17.48	17.38	18.5	0	
15	16QAM	75	0	17.43	17.49	17.35			
15	64QAM	1	0	17.54	17.51	17.43			
15	64QAM	1	37	17.49	17.59	17.47			
15	64QAM	1	74	17.49	17.34	17.46	18.5	0	
15	64QAM	36	0	17.51	17.40	17.41			
15	64QAM	36	20	17.50	17.55	17.42			
15	64QAM	36	39	17.39	17.36	17.40			
15	64QAM	75	0	17.51	17.51	17.36			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.51	17.52	17.43	18.5	0	
10	QPSK	1	25	17.56	17.46	17.53			
10	QPSK	1	49	17.56	17.47	17.49			
10	QPSK	25	0	17.49	17.46	17.48			
10	QPSK	25	12	17.51	17.60	17.48	18.5	0	
10	QPSK	25	25	17.51	17.43	17.40			
10	QPSK	50	0	17.49	17.56	17.46			
10	16QAM	1	0	17.47	17.51	17.49			
10	16QAM	1	25	17.59	17.58	17.43	18.5	0	
10	16QAM	1	49	17.49	17.43	17.41			
10	16QAM	25	0	17.48	17.42	17.45			
10	16QAM	25	12	17.46	17.60	17.43			
10	16QAM	25	25	17.46	17.28	17.36	18.5	0	
10	16QAM	50	0	17.45	17.51	17.33			
10	64QAM	1	0	17.55	17.53	17.40			
10	64QAM	1	25	17.49	17.68	17.50			
10	64QAM	1	49	17.49	17.38	17.41	18.5	0	
10	64QAM	25	0	17.52	17.40	17.37			
10	64QAM	25	12	17.51	17.55	17.46			
10	64QAM	25	25	17.43	17.36	17.34			
10	64QAM	50	0	17.48	17.51	17.40			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.57	17.56	17.45	18.5	0	
5	QPSK	1	12	17.55	17.65	17.48			
5	QPSK	1	24	17.53	17.45	17.49			
5	QPSK	12	0	17.49	17.47	17.47			
5	QPSK	12	7	17.53	17.58	17.50	18.5	0	
5	QPSK	12	13	17.49	17.43	17.41			
5	QPSK	25	0	17.46	17.55	17.45			
5	16QAM	1	0	17.46	17.46	17.45			
5	16QAM	1	12	17.59	17.63	17.46	18.5	0	
5	16QAM	1	24	17.44	17.41	17.40			
5	16QAM	12	0	17.48	17.44	17.44			
5	16QAM	12	7	17.45	17.62	17.43			
5	16QAM	12	13	17.48	17.30	17.40	18.5	0	
5	16QAM	25	0	17.47	17.51	17.34			
5	64QAM	1	0	17.54	17.51	17.44			
5	64QAM	1	12	17.49	17.56	17.44			
5	64QAM	1	24	17.56	17.38	17.43	18.5	0	
5	64QAM	12	0	17.49	17.40	17.37			
5	64QAM	12	7	17.51	17.55	17.40			
5	64QAM	12	13	17.45	17.37	17.39			
5	64QAM	25	0	17.51	17.48	17.40			

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	13.46	13.48	13.51	14.25	0		
20	QPSK	1	49	13.60	13.65	13.65				
20	QPSK	1	99	13.45	13.54	13.60				
20	QPSK	50	0	13.44	13.38	13.39	14.25	0		
20	QPSK	50	24	13.53	13.80	13.53				
20	QPSK	50	50	13.40	13.51	13.50				
20	QPSK	100	0	13.51	13.59	13.47	14.25	0		
20	16QAM	1	0	13.43	13.41	13.44				
20	16QAM	1	49	13.52	13.63	13.58				
20	16QAM	1	99	13.44	13.48	13.56	14.25	0		
20	16QAM	50	0	13.38	13.38	13.37				
20	16QAM	50	24	13.48	13.56	13.46				
20	16QAM	50	50	13.39	13.45	13.47	14.25	0		
20	16QAM	100	0	13.41	13.55	13.44				
20	64QAM	1	0	13.39	13.45	13.43				
20	64QAM	1	49	13.52	13.57	13.57	14.25	0		
20	64QAM	1	99	13.40	13.46	13.60				
20	64QAM	50	0	13.36	13.33	13.38				
20	64QAM	50	24	13.44	13.55	13.52	14.25	0		
20	64QAM	50	50	13.35	13.46	13.47				
20	64QAM	100	0	13.46	13.50	13.48				
Channel				20925	21100	21375	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	13.42	13.41	13.48	14.25	0		
15	QPSK	1	37	13.54	13.59	13.60				
15	QPSK	1	74	13.38	13.48	13.53				
15	QPSK	36	0	13.43	13.34	13.37	14.25	0		
15	QPSK	36	20	13.51	13.55	13.51				
15	QPSK	36	39	13.39	13.45	13.44				
15	QPSK	75	0	13.46	13.54	13.45	14.25	0		
15	16QAM	1	0	13.42	13.34	13.43				
15	16QAM	1	37	13.46	13.61	13.52				
15	16QAM	1	74	13.39	13.44	13.50	14.25	0		
15	16QAM	36	0	13.34	13.33	13.33				
15	16QAM	36	20	13.44	13.51	13.41				
15	16QAM	36	39	13.33	13.39	13.42	14.25	0		
15	16QAM	75	0	13.34	13.51	13.38				
15	64QAM	1	0	13.36	13.40	13.40				
15	64QAM	1	37	13.47	13.56	13.55	14.25	0		
15	64QAM	1	74	13.39	13.39	13.56				
15	64QAM	36	0	13.30	13.30	13.34				
15	64QAM	36	20	13.41	13.52	13.46	14.25	0		
15	64QAM	36	39	13.28	13.43	13.45				
15	64QAM	75	0	13.40	13.48	13.46				
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	13.45	13.44	13.46	14.25	0		
10	QPSK	1	25	13.59	13.59	13.58				
10	QPSK	1	49	13.41	13.52	13.56				
10	QPSK	25	0	13.37	13.37	13.38	14.25	0		
10	QPSK	25	12	13.51	13.53	13.46				
10	QPSK	25	25	13.38	13.44	13.45				
10	QPSK	50	0	13.50	13.54	13.45	14.25	0		
10	16QAM	1	0	13.41	13.37	13.40				
10	16QAM	1	25	13.46	13.61	13.54				
10	16QAM	1	49	13.37	13.47	13.54	14.25	0		
10	16QAM	25	0	13.57	13.36	13.35				
10	16QAM	25	12	13.42	13.49	13.44				
10	16QAM	25	25	13.37	13.43	13.44	14.25	0		
10	16QAM	50	0	13.36	13.51	13.39				
10	64QAM	1	0	13.37	13.42	13.38	14.25	0		
10	64QAM	1	25	13.50	13.54	13.56				
10	64QAM	1	49	13.33	13.41	13.56				
10	64QAM	25	0	13.31	13.32	13.37	14.25	0		
10	64QAM	25	12	13.57	13.53	13.48				
10	64QAM	25	25	13.31	13.36	13.41				
10	64QAM	50	0	13.40	13.44	13.41	14.25	0		
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	13.41	13.44	13.48	14.25	0		
5	QPSK	1	12	13.53	13.61	13.58				
5	QPSK	1	24	13.42	13.48	13.55				
5	QPSK	12	0	13.41	13.34	13.35	14.25	0		
5	QPSK	12	7	13.51	13.57	13.51				
5	QPSK	12	13	13.33	13.45	13.48				
5	QPSK	25	0	13.45	13.54	13.42	14.25	0		
5	16QAM	1	0	13.38	13.39	13.37				
5	16QAM	1	12	13.50	13.62	13.52				
5	16QAM	1	24	13.38	13.42	13.55	14.25	0		
5	16QAM	12	0	13.35	13.31	13.34				
5	16QAM	12	7	13.46	13.53	13.44				
5	16QAM	12	13	13.35	13.41	13.46	14.25	0		
5	16QAM	25	0	13.37	13.52	13.41				
5	64QAM	1	0	13.32	13.41	13.36	14.25	0		
5	64QAM	1	12	13.49	13.55	13.54				
5	64QAM	1	24	13.34	13.43	13.55				
5	64QAM	12	0	13.29	13.27	13.31	14.25	0		
5	64QAM	12	7	13.43	13.48	13.48				
5	64QAM	12	13	13.31	13.41	13.42				
5	64QAM	25	0	13.41	13.46	13.47	14.25	0		

Band 26_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	20.29	20.18	20.15	21	0		
15	QPSK	1	37	20.30	20.33	20.17				
15	QPSK	1	74	20.22	20.07	20.08				
15	QPSK	36	0	20.26	20.15	20.10	21	0		
15	QPSK	36	20	20.29	20.32	20.13				
15	QPSK	36	39	20.05	20.03	20.03				
15	QPSK	75	0	20.20	20.25	20.12	21	0		
15	16QAM	1	0	20.23	20.17	20.09				
15	16QAM	1	37	20.28	20.29	20.15				
15	16QAM	1	74	20.06	20.01	20.04	21	0		
15	16QAM	36	0	20.27	20.17	20.08				
15	16QAM	36	20	20.24	20.14	20.14				
15	16QAM	36	39	20.24	20.26	20.15	21	0		
15	16QAM	75	0	20.07	20.04	20.06				
15	64QAM	1	0	20.25	20.11	20.08	21	0		
15	64QAM	1	37	20.27	20.27	20.08				
15	64QAM	1	74	20.01	19.98	19.99				
15	64QAM	36	0	20.16	20.22	20.09	21	0		
15	64QAM	36	20	20.18	20.10	20.03				
15	64QAM	36	39	20.27	20.27	20.14				
15	64QAM	75	0	20.01	20.00	20.01				
Channel				26740	26865	26990	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	20.23	20.17	20.13	21	0		
10	QPSK	1	25	20.23	20.28	20.14				
10	QPSK	1	49	20.09	20.00	20.03				
10	QPSK	25	0	20.22	20.20	20.05	21	0		
10	QPSK	25	12	20.27	20.29	20.09				
10	QPSK	25	25	20.00	19.98	19.99				
10	QPSK	50	0	20.14	20.20	20.11	21	0		
10	16QAM	1	0	20.17	20.10	20.03				
10	16QAM	1	25	20.23	20.25	20.14				
10	16QAM	1	49	20.05	20.00	19.99	21	0		
10	16QAM	25	0	20.22	20.15	20.03				
10	16QAM	25	12	20.20	20.20	20.05	21	0		
10	16QAM	25	25	20.17	20.21	20.14				
10	16QAM	50	0	20.06	19.97	20.01	21	0		
10	64QAM	1	0	20.24	20.04	20.05				
10	64QAM	1	25	20.22	20.26	20.03				
10	64QAM	1	49	19.94	19.92	19.98	21	0		
10	64QAM	25	0	20.11	20.20	20.05				
10	64QAM	25	12	20.13	20.06	19.98				
10	64QAM	25	25	20.34	20.22	20.12	21	0		
10	64QAM	50	0	19.94	19.98	19.95				
Channel				816.5	26865	27015	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	845.5				
5	QPSK	1	0	20.28	20.15	20.09	21	0		
5	QPSK	1	12	20.23	20.27	20.14				
5	QPSK	1	24	20.06	20.01	20.03				
5	QPSK	12	0	20.23	20.12	20.05	21	0		
5	QPSK	12	7	20.23	20.25	20.06				
5	QPSK	12	13	19.99	19.97	19.98				
5	QPSK	25	0	20.13	20.19	20.06	21	0		
5	16QAM	1	0	20.21	20.14	20.03				
5	16QAM	1	12	20.23	20.22	20.09				
5	16QAM	1	24	20.05	19.97	19.99	21	0		
5	16QAM	12	0	20.26	20.11	20.07				
5	16QAM	12	7	20.21	20.07	20.07				
5	16QAM	12	13	20.20	20.19	20.10	21	0		
5	16QAM	25	0	20.06	20.00	20.05				
5	64QAM	1	0	20.24	20.07	20.04	21	0		
5	64QAM	1	12	20.20	20.24	20.05				
5	64QAM	1	24	19.95	19.95	19.94				
5	64QAM	12	0	20.15	20.20	20.02	21	0		
5	64QAM	12	7	20.14	20.08	20.00				
5	64QAM	12	13	20.26	20.23	20.13				
5	64QAM	25	0	19.95	19.98	19.99				
Channel				26705	26865	27025	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	20.27	20.14	20.13	21	0		
3	QPSK	1	8	20.25	20.29	20.10				
3	QPSK	1	14	20.09	20.04	20.04				
3	QPSK	8	0	20.20	20.20	20.05	21	0		
3	QPSK	8	4	20.22	20.25	20.08				
3	QPSK	8	7	19.98	19.99	20.01				
3	QPSK	15	0	20.17	20.23	20.05	21	0		
3	16QAM	1	0	20.19	20.16	20.02				
3	16QAM	1	8	20.24	20.23	20.11				
3	16QAM	1	14	19.99	20.00	20.01	21	0		
3	16QAM	8	0	20.21	20.11	20.01				
3	16QAM	8	4	20.20	20.20	20.10	21	0		
3	16QAM	8	7	20.21	20.23	20.09				
3	16QAM	15	0	20.01	20.01	19.99				
3	64QAM	1	0	20.18	20.10	20.02	21	0		
3	64QAM	1	8	20.24	20.29	20.07				
3	64QAM	1	14	19.98	19.95	19.98				
3	64QAM	8	0	20.14	20.15	20.02	21	0		
3	64QAM	8	4	20.14	20.06	19.98				
3	64QAM	8	7	20.21	20.24	20.11				
3	64QAM	15	0	20.00	19.98	19.94				
Channel				26697	26865	27033	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	20.24	20.14	20.10	21	0		
1.4	QPSK	1	3	20.24	20.29	20.10				
1.4	QPSK	1	5	20.07	20.06	20.01				
1.4	QPSK	3	0	20.20	20.12	20.08	21	0		
1.4	QPSK	3	1	20.24	20.29	20.11				
1.4	QPSK	3	3	20.00	19.96	19.99				
1.4	QPSK	6	0	20.18	20.21	20.11	21	0		
1.4	16QAM	1	0	20.22	20.19	20.09				
1.4	16QAM	1	3	20.21	20.28	20.13				
1.4	16QAM	1	5	20.00	19.99	20.00	21	0		
1.4	16QAM	3	0	20.22	20.11	20.06				
1.4	16QAM	3	1	20.19	20.08	20.13	21	0		
1.4	16QAM	6	0	20.05	19.97	20.04				
1.4	64QAM	1	0	20.24	20.04	20.07	21	0		
1.4	64QAM	1	3	20.25	20.25	20.02				
1.4	64QAM	1	5	19.94	19.94	19.93				
1.4	64QAM	3	0	20.09	20.16	20.03	21	0		
1.4	64QAM	3	1	20.15	20.06	20.02				
1.4	64QAM	3	3	20.25	20.23	20.11				
1.4	64QAM	6	0	20.00	19.94	19.94	21	0		

Band 66_Ant 0(Other PA)(66A-n7A)										
BW (MHz)	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	15.93	15.98	15.90	17.25	0		
20	QPSK	1	49	15.95	15.98	15.95				
20	QPSK	1	99	15.84	15.85	15.74				
20	QPSK	50	0	15.86	15.92	15.86				
20	QPSK	50	24	15.87	15.93	15.87	17.25	0		
20	QPSK	50	50	15.83	15.81	15.73				
20	QPSK	100	0	15.86	15.88	15.85				
20	16QAM	1	0	15.90	15.98	15.89				
20	16QAM	1	49	15.90	15.97	15.90	17.25	0		
20	16QAM	1	99	15.78	15.81	15.72				
20	16QAM	50	0	15.86	15.88	15.86				
20	16QAM	50	24	15.89	15.93	15.86				
20	16QAM	50	50	15.83	15.83	15.76	17.25	0		
20	16QAM	100	0	15.77	15.86	15.85				
20	64QAM	1	0	15.92	15.93	15.84				
20	64QAM	1	49	15.88	15.93	15.86	17.25	0		
20	64QAM	1	99	15.80	15.82	15.74				
20	64QAM	50	0	15.82	15.93	15.83				
20	64QAM	50	24	15.82	15.94	15.87				
20	64QAM	50	50	15.84	15.75	15.70	17.25	0		
20	64QAM	100	0	15.75	15.80	15.82				
Channel										
Frequency (MHz)				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
				1717.5	1745	1772.5				
15	QPSK	1	0	15.91	15.94	15.85	17.25	0		
15	QPSK	1	37	15.88	15.95	15.93				
15	QPSK	1	74	15.81	15.82	15.72				
15	QPSK	36	0	15.79	15.90	15.82				
15	QPSK	36	20	15.80	15.86	15.80	17.25	0		
15	QPSK	36	39	15.78	15.74	15.69				
15	QPSK	75	0	15.81	15.84	15.75				
15	16QAM	1	0	15.89	15.87	15.80				
15	16QAM	1	37	15.88	15.93	15.85	17.25	0		
15	16QAM	1	74	15.73	15.76	15.65				
15	16QAM	36	0	15.83	15.85	15.84				
15	16QAM	36	20	15.84	15.91	15.83	17.25	0		
15	16QAM	36	39	15.78	15.78	15.70				
15	16QAM	75	0	15.71	15.79	15.78				
15	64QAM	1	0	15.88	15.88	15.77	17.25	0		
15	64QAM	1	37	15.81	15.91	15.81				
15	64QAM	1	74	15.75	15.76	15.71				
15	64QAM	36	0	15.76	15.90	15.79				
15	64QAM	36	20	15.75	15.87	15.85	17.25	0		
15	64QAM	36	39	15.82	15.89	15.63				
15	64QAM	75	0	15.69	15.78	15.80				
Channel										
Frequency (MHz)				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
				1715	1745	1775				
10	QPSK	1	0	15.92	15.93	15.84	17.25	0		
10	QPSK	1	25	15.89	15.92	15.93				
10	QPSK	1	49	15.80	15.80	15.69				
10	QPSK	25	0	15.84	15.88	15.79				
10	QPSK	25	12	15.85	15.92	15.86	17.25	0		
10	QPSK	25	25	15.77	15.80	15.68				
10	QPSK	50	0	15.80	15.88	15.84				
10	16QAM	1	0	15.83	15.87	15.87	17.25	0		
10	16QAM	1	25	15.84	15.94	15.87				
10	16QAM	1	49	15.76	15.74	15.68				
10	16QAM	25	0	15.85	15.83	15.84				
10	16QAM	25	12	15.84	15.88	15.80	17.25	0		
10	16QAM	25	25	15.80	15.76	15.74				
10	16QAM	50	0	15.73	15.81	15.84				
10	64QAM	1	0	15.85	15.92	15.81	17.25	0		
10	64QAM	1	25	15.85	15.86	15.81				
10	64QAM	1	49	15.78	15.77	15.70				
10	64QAM	25	0	15.78	15.87	15.81				
10	64QAM	25	12	15.79	15.87	15.68	17.25	0		
10	64QAM	25	25	15.77	15.77	15.66				
10	64QAM	50	0	15.74	15.73	15.80				
Channel										
Frequency (MHz)				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)		
				1712.5	1745	1777.5				
5	QPSK	1	0	15.89	15.97	15.86	17.25	0		
5	QPSK	1	12	15.91	15.91	15.92				
5	QPSK	1	24	15.83	15.82	15.70				
5	QPSK	12	0	15.83	15.88	15.80				
5	QPSK	12	7	15.81	15.89	15.80	17.25	0		
5	QPSK	12	13	15.79	15.76	15.72				
5	QPSK	25	0	15.85	15.85	15.80				
5	16QAM	1	0	15.88	15.82	15.83				
5	16QAM	1	12	15.84	15.96	15.87	17.25	0		
5	16QAM	1	24	15.75	15.74	15.68				
5	16QAM	12	0	15.79	15.83	15.85				
5	16QAM	12	7	15.85	15.86	15.84				
5	16QAM	12	13	15.76	15.77	15.69	17.25	0		
5	16QAM	25	0	15.72	15.83	15.81				
5	64QAM	1	0	15.89	15.87	15.77				
5	64QAM	1	12	15.82	15.86	15.82	17.25	0		
5	64QAM	1	24	15.75	15.81	15.68				
5	64QAM	12	0	15.76	15.88	15.78				
5	64QAM	12	7	15.76	15.91	15.86				
5	64QAM	12	13	15.83	15.89	15.64	17.25	0		
5	64QAM	25	0	15.74	15.78	15.81				
Channel										
Frequency (MHz)				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
				1711.5	1745	1778.5				
3	QPSK	1	0	15.90	15.94	15.86	17.25	0		
3	QPSK	1	8	15.89	15.91	15.92				
3	QPSK	1	14	15.79	15.78	15.67				
3	QPSK	8	0	15.83	15.87	15.85				
3	QPSK	8	4	15.85	15.92	15.82	17.25	0		
3	QPSK	8	7	15.82	15.80	15.69				
3	QPSK	15	0	15.80	15.81	15.84				
3	16QAM	1	0	15.83	15.87	15.86				
3	16QAM	1	8	15.85	15.91	15.88	17.25	0		
3	16QAM	1	14	15.73	15.74	15.68				
3	16QAM	8	0	15.79	15.82	15.82				
3	16QAM	8	4	15.85	15.92	15.85				
3	16QAM	8	7	15.77	15.82	15.71	17.25	0		
3	16QAM	15	0	15.78	15.85	15.82				
3	64QAM	1	0	15.85	15.88	15.81				
3	64QAM	1	8	15.87	15.90	15.83	17.25	0		
3	64QAM	1	14	15.73	15.77	15.71				
3	64QAM	8	0	15.77	15.90	15.76				
3	64QAM	8	4	15.79	15.82	15.81				
3	64QAM	8	7	15.82	15.86	15.76	17.25	0		
3	64QAM	15	0	15.84	15.87	15.80				
3	64QAM	15	0	15.71	15.74	15.80				
Channel										
Frequency (MHz)				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)		
				1710.7	1745	1779.3				
1.4	QPSK	1	0	15.91	15.95	15.84	17.25	0		
1.4	QPSK	1	3	15.91	15.92	15.89				
1.4	QPSK	1	5	15.82	15.83	15.77	17.25	0		
1.4	QPSK	3	0	15.85	15.88	15.85				
1.4	QPSK	3	1	15.82	15.86	15.81				
1.4	QPSK	3	3	15.78	15.79	15.68				
1.4	QPSK	6	0	15.84	15.87	15.80	17.25	0		
1.4	16QAM	1	0	15.84	15.86	15.87				
1.4	16QAM	1	3	15.87	15.96	15.86				
1.4	16QAM	1	5	15.72	15.76	15.69				
1.4	16QAM	3	0	15.83	15.83	15.84	17.25	0		
1.4	16QAM	3	3	15.83	15.90	15.83				
1.4	16QAM	3	5	15.73	15.77	15.71				
1.4	16QAM	6	0	15.72	15.84	15.80				
1.4	64QAM	1	0	15.88	15.91	15.77	17.25	0		
1.4	64QAM	1	3	15.81	15.92	15.81				
1.4	64QAM	1	5	15.73	15.75	15.73				
1.4	64QAM	3	0	15.80	15.92	15.78				
1.4	64QAM	3	3	15.78	15.80	15.73	17.25	0		
1.4	64QAM	3	5	15.70	15.70	15.67				
1.4	64QAM	6	0	15.71	15.75	15.76				

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	21.25		
Frequency (MHz)				2500	2595	2610			
20	QPSK	1	0	20.19	20.13	20.15			
20	QPSK	1	49	20.20	20.25	20.18			
20	QPSK	1	99	20.04	20.07	19.77	21.25	0	
20	QPSK	50	0	20.13	20.14	20.14			
20	QPSK	50	24	20.10	20.20	20.03			
20	QPSK	50	50	20.03	20.07	19.74			
20	QPSK	100	0	20.17	20.21	20.13	21.25	0	
20	16QAM	1	0	20.07	20.11	20.17			
20	16QAM	1	49	20.15	20.18	20.13			
20	16QAM	1	99	19.97	20.08	19.74			
20	16QAM	50	0	20.16	20.09	20.14	21.25	0	
20	16QAM	50	24	20.16	20.09	20.11			
20	16QAM	50	50	20.19	20.20	20.17			
20	16QAM	100	0	20.00	20.04	19.73			
20	64QAM	1	0	20.07	20.10	20.09	21.25	0	
20	64QAM	1	49	20.13	20.15	20.10			
20	64QAM	1	99	19.97	20.05	19.69			
20	64QAM	50	0	20.15	20.18	20.10			
20	64QAM	50	24	20.01	20.08	20.16	21	0.25	
20	64QAM	50	50	20.09	20.11	20.08			
20	64QAM	100	0	19.91	20.02	19.69			
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	21.25	0	
15	QPSK	1	0	20.16	20.11	20.09			
15	QPSK	1	37	20.17	20.23	20.11			
15	QPSK	1	74	19.97	20.02	19.75	21.25	0	
15	QPSK	36	0	20.11	20.07	20.09			
15	QPSK	36	20	20.16	20.15	20.14			
15	QPSK	36	39	19.98	20.02	19.73			
15	QPSK	75	0	20.13	20.15	20.12	21.25	0	
15	16QAM	1	0	20.05	20.08	20.16			
15	16QAM	1	37	20.14	20.15	20.06			
15	16QAM	1	74	19.98	20.02	19.70			
15	16QAM	36	0	20.13	20.07	20.07	21.25	0	
15	16QAM	36	20	20.09	20.07	20.06			
15	16QAM	36	39	20.12	20.15	20.13			
15	16QAM	75	0	19.97	20.00	19.67			
15	64QAM	1	0	20.05	20.07	20.02	21.25	0	
15	64QAM	1	37	20.07	20.12	20.09			
15	64QAM	1	74	19.90	19.99	19.63			
15	64QAM	36	0	20.14	20.13	20.07			
15	64QAM	36	20	20.00	20.05	20.14	21	0.25	
15	64QAM	36	39	20.08	20.06	20.02			
15	64QAM	75	0	19.86	20.00	19.67			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	21.25	0	
10	QPSK	1	0	20.12	20.11	20.10			
10	QPSK	1	25	20.15	20.18	20.15			
10	QPSK	1	49	19.97	20.02	19.73	21.25	0	
10	QPSK	25	0	20.06	20.13	20.11			
10	QPSK	25	13	20.18	20.13	20.14			
10	QPSK	25	25	20.00	20.01	19.69			
10	QPSK	50	0	20.10	20.20	20.07	21.25	0	
10	16QAM	1	0	20.05	20.07	20.16			
10	16QAM	1	25	20.09	20.15	20.08			
10	16QAM	1	49	19.96	20.05	19.71			
10	16QAM	25	0	20.12	20.07	20.07	21.25	0	
10	16QAM	25	12	20.10	20.08	20.05			
10	16QAM	25	25	20.18	20.13	20.16			
10	16QAM	50	0	19.98	19.99	19.65			
10	64QAM	1	0	20.04	20.07	20.05	21.25	0	
10	64QAM	1	25	20.10	20.10	20.06			
10	64QAM	1	49	19.96	20.02	19.68			
10	64QAM	25	0	20.14	20.14	20.06			
10	64QAM	25	12	19.95	20.05	20.13	21	0.25	
10	64QAM	25	25	20.05	20.08	20.01			
10	64QAM	50	0	19.89	19.95	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	21.25	0	
5	QPSK	1	0	20.13	20.08	20.10			
5	QPSK	1	12	20.16	20.24	20.15			
5	QPSK	1	24	20.02	20.00	19.71	21.25	0	
5	QPSK	12	0	20.11	20.10	20.13			
5	QPSK	12	7	20.15	20.15	20.14			
5	QPSK	12	13	19.99	20.00	19.68			
5	QPSK	25	0	20.11	20.17	20.11	21.25	0	
5	16QAM	1	0	20.05	20.09	20.13			
5	16QAM	1	12	20.11	20.15	20.10			
5	16QAM	1	24	19.95	20.04	19.69			
5	16QAM	12	0	20.15	20.03	20.11	21.25	0	
5	16QAM	12	7	20.13	20.07	20.05			
5	16QAM	12	13	20.13	20.14	20.14			
5	16QAM	25	0	19.93	20.01	19.69			
5	64QAM	1	0	20.03	20.08	20.08	21.25	0	
5	64QAM	1	12	20.08	20.09	20.05			
5	64QAM	1	24	19.94	20.04	19.66			
5	64QAM	12	0	20.11	20.11	20.06			
5	64QAM	12	7	19.98	20.01	20.15	21	0.25	
5	64QAM	12	13	20.02	20.05	20.02			
5	64QAM	25	0	19.89	19.97	19.61			

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	21.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.61	20.72	20.73	20.79	20.41		
20	QPSK	1	49	20.66	20.83	20.77	20.85	20.45		
20	QPSK	1	99	20.59	20.63	20.67	20.74	19.95	21.5	0
20	QPSK	50	0	20.10	20.10	20.19	20.35	20.26		
20	QPSK	50	24	20.11	20.12	20.25	20.39	20.28		
20	QPSK	50	50	20.05	20.05	20.12	20.32	20.27		
20	QPSK	100	0	20.18	20.19	20.12	20.35	20.29	21.5	0
20	16QAM	1	0	20.04	20.09	20.13	20.30	20.26		
20	16QAM	1	49	20.04	20.09	20.20	20.38	20.26		
20	16QAM	1	99	20.00	20.03	20.03	20.34	20.25		
20	16QAM	50	0	20.09	20.08	20.15	20.33	20.23	21.5	0
20	16QAM	50	24	20.00	20.06	20.23	20.34	20.24		
20	16QAM	50	50	20.00	20.02	20.11	20.30	20.20		
20	16QAM	100	0	20.12	20.17	20.07	20.32	20.22		
20	64QAM	1	0	19.98	20.06	20.12	20.25	20.22	21.5	0
20	64QAM	1	49	20.02	20.08	20.14	20.33	20.23		
20	64QAM	1	99	19.96	19.99	19.97	20.32	20.21		
20	64QAM	50	0	20.05	20.01	20.13	20.29	20.20		
20	64QAM	50	24	19.95	20.00	20.18	20.31	20.20	21.5	0
20	64QAM	50	50	19.98	19.97	20.10	20.23	20.17		
20	64QAM	100	0	20.05	20.15	20.04	20.27	20.21		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	21.5	0
15	QPSK	1	0	20.58	20.70	20.68	20.76	20.37		
15	QPSK	1	37	20.63	20.76	20.73	20.80	20.38		
15	QPSK	1	74	20.58	20.56	20.63	20.70	19.93	21.5	0
15	QPSK	36	0	20.07	20.09	20.13	20.29	20.22		
15	QPSK	36	20	20.09	20.09	20.21	20.33	20.26	21.5	0
15	QPSK	36	39	19.99	19.98	20.02	20.25	20.18		
15	QPSK	75	0	20.12	20.17	20.08	20.29	20.22	21.5	0
15	16QAM	1	0	20.02	20.05	20.07	20.27	20.21		
15	16QAM	1	37	19.97	20.03	20.18	20.31	20.24	21.5	0
15	16QAM	1	74	19.98	20.01	19.99	20.32	20.22		
15	16QAM	36	0	20.05	20.06	20.10	20.29	20.18	21.5	0
15	16QAM	36	20	19.95	19.99	20.18	20.33	20.23		
15	16QAM	36	39	19.94	20.00	20.10	20.26	20.15	21.5	0
15	16QAM	75	0	20.05	20.01	20.03	20.31	20.16		
15	64QAM	1	0	19.96	20.00	20.09	20.22	20.17	21.5	0
15	64QAM	1	37	19.98	20.03	20.12	20.32	20.20		
15	64QAM	1	74	19.93	19.93	19.92	20.29	20.14	21.5	0
15	64QAM	36	0	20.01	19.98	20.09	20.25	20.18		
15	64QAM	36	20	19.91	19.99	20.17	20.25	20.14	21.5	0
15	64QAM	36	39	19.96	19.90	20.03	20.16	20.16		
15	64QAM	75	0	20.04	20.13	20.02	20.24	20.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2547	2590	2639	2685	21.5	0
10	QPSK	1	0	20.55	20.70	20.72	20.72	20.34		
10	QPSK	1	25	20.65	20.82	20.71	20.79	20.43		
10	QPSK	1	49	20.67	20.87	20.62	20.81	20.73	21.5	0
10	QPSK	25	0	20.06	20.06	20.12	20.31	20.22		
10	QPSK	25	12	20.10	20.08	20.24	20.35	20.26	21.5	0
10	QPSK	25	25	20.02	19.98	20.05	20.31	20.23		
10	QPSK	50	0	20.15	20.13	20.05	20.33	20.25	21.5	0
10	16QAM	1	0	19.99	20.04	20.07	20.24	20.28		
10	16QAM	1	25	20.01	20.05	20.17	20.31	20.21	21.5	0
10	16QAM	1	49	19.94	19.96	19.97	20.32	20.21		
10	16QAM	25	0	20.08	20.02	20.13	20.29	20.16	21.5	0
10	16QAM	25	12	19.94	19.99	20.22	20.35	20.15		
10	16QAM	25	25	19.99	19.95	20.04	20.25	20.15	21.5	0
10	16QAM	50	0	20.07	20.15	20.00	20.30	20.21		
10	16QAM	1	0	19.96	20.02	20.07	20.23	20.19	21.5	0
10	64QAM	1	25	19.97	20.05	20.07	20.31	20.22		
10	64QAM	1	49	19.95	19.92	19.94	20.30	20.17	21.5	0
10	64QAM	25	0	20.04	19.99	20.12	20.26	20.17		
10	64QAM	25	12	19.98	19.94	20.17	20.26	20.16	21.5	0
10	64QAM	25	25	19.93	19.94	20.04	20.26	20.13		
10	64QAM	50	0	20.03	20.13	20.02	20.21	20.14		
Channel				39675	40148	40620	41083	41505	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2590	2640.3	2687.5	21.5	0
5	QPSK	1	0	20.56	20.67	20.68	20.73	20.34		
5	QPSK	1	12	20.60	20.78	20.76	20.81	20.38		
5	QPSK	1	24	20.54	20.56	20.66	20.67	19.90	21.5	0
5	QPSK	12	0	20.09	20.05	20.15	20.28	20.25		
5	QPSK	12	7	20.07	20.11	20.24	20.33	20.23	21.5	0
5	QPSK	12	13	20.03	20.00	20.07	20.28	20.22		
5	QPSK	25	0	20.15	20.17	20.06	20.34	20.24	21.5	0
5	16QAM	1	0	19.99	20.08	20.12	20.34	20.20		
5	16QAM	1	12	20.02	20.06	20.16	20.31	20.23	21.5	0
5	16QAM	1	24	19.99	19.97	19.97	20.27	20.24		
5	16QAM	12	0	20.08	20.01	20.13	20.27	20.22	21.5	0
5	16QAM	12	7	19.98	20.02	20.20	20.32	20.22		
5	16QAM	12	13	19.95	19.99	20.09	20.25	20.17	21.5	0
5	16QAM	25	0	20.09	20.13	20.05	20.25	20.21		
5	64QAM	1	0	19.93	20.03	20.08	20.18	20.21	21.5	0
5	64QAM	1	12	19.98	20.01	20.09	20.29	20.21		
5	64QAM	1	24	19.93	19.94	19.95	20.26	20.16	21.5	0
5	64QAM	12	0	20.00	19.99	20.07	20.24	20.16		
5	64QAM	12	7	19.88	19.97	20.12	20.26	20.16	21.5	0
5	64QAM	12	13	19.91	19.93	20.03	20.16	20.11		
5	64QAM	25	0	20.03	20.14	20.01	20.25	20.17		

Reduced Power for NSA DSI 6

Band 2_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
				16700	16900	19100						
Frequency (MHz)												
20	QPSK	1	0	22.19	22.21	22.22	23.5	0				
20	QPSK	1	49	22.31	22.39	22.28						
20	QPSK	1	99	22.30	22.23	22.23						
20	QPSK	50	0	21.66	21.68	21.70						
20	QPSK	50	24	21.66	21.79	21.72	23	0.5				
20	QPSK	50	50	21.65	21.67	21.67						
20	QPSK	100	0	21.69	21.78	21.70						
20	16QAM	1	0	21.78	21.84	21.85						
20	16QAM	1	49	21.86	21.98	22.07	23	0.5				
20	16QAM	1	99	21.68	21.83	21.96						
20	16QAM	50	0	20.53	20.66	20.83						
20	16QAM	50	24	20.58	20.70	20.85						
20	16QAM	50	50	20.52	20.70	20.81	22	1.5				
20	16QAM	100	0	20.56	20.69	20.81						
20	64QAM	1	0	20.75	20.76	20.79						
20	64QAM	1	49	20.73	20.88	20.99						
20	64QAM	1	99	20.59	20.80	20.95	22	1.5				
20	64QAM	50	0	19.53	19.65	19.82						
20	64QAM	50	24	19.57	19.70	19.82						
20	64QAM	50	50	19.52	19.68	19.78						
20	64QAM	100	0	19.55	19.71	19.80	21	2.5				
Channel												
Frequency (MHz)												
				16675	16900	19125						
Frequency (MHz)												
				1667.5	1690	1902.5						
15	QPSK	1	0	21.94	22.13	22.26	23.5	0				
15	QPSK	1	37	22.01	22.29	22.35						
15	QPSK	1	74	21.93	22.23	22.33						
15	QPSK	36	0	21.48	21.69	21.86						
15	QPSK	36	20	21.53	21.72	21.82	23	0.5				
15	QPSK	36	39	21.53	21.74	21.78						
15	QPSK	75	0	21.51	21.72	21.85						
15	16QAM	1	0	21.73	21.91	21.96						
15	16QAM	1	37	21.83	22.04	22.06	23	0.5				
15	16QAM	1	74	21.75	21.95	21.98						
15	16QAM	36	0	20.54	20.70	20.86						
15	16QAM	36	20	20.54	20.71	20.83						
15	16QAM	36	39	20.57	20.73	20.78	22	1.5				
15	16QAM	75	0	20.54	20.74	20.85						
15	64QAM	1	0	20.67	20.83	20.94						
15	64QAM	1	37	20.74	20.97	21.07						
15	64QAM	1	74	20.62	20.88	20.92	22	1.5				
15	64QAM	36	0	19.56	19.73	19.87						
15	64QAM	36	20	19.54	19.71	19.81						
15	64QAM	36	39	19.59	19.76	19.77						
15	64QAM	75	0	19.53	19.72	19.83	21	2.5				
Channel												
Frequency (MHz)												
				16650	16900	19150						
Frequency (MHz)												
				1665	1680	1905						
10	QPSK	1	0	21.96	22.19	22.29	23.5	0				
10	QPSK	1	25	21.96	22.23	22.27						
10	QPSK	1	49	21.97	22.23	22.29						
10	QPSK	25	0	21.48	21.72	21.87						
10	QPSK	25	12	21.50	21.72	21.81	23	0.5				
10	QPSK	25	25	21.52	21.73	21.83						
10	QPSK	50	0	21.55	21.73	21.86						
10	16QAM	1	0	21.80	21.94	22.06						
10	16QAM	1	25	21.81	21.99	21.98	23	0.5				
10	16QAM	1	49	21.77	21.91	22.01						
10	16QAM	25	0	20.53	20.73	20.88						
10	16QAM	25	12	20.56	20.71	20.80						
10	16QAM	25	25	20.54	20.74	20.84	22	1.5				
10	16QAM	50	0	20.55	20.71	20.86						
10	64QAM	1	0	20.75	20.85	21.07						
10	64QAM	1	25	20.73	20.91	21.02						
10	64QAM	1	49	20.70	20.88	21.05	22	1.5				
10	64QAM	25	0	19.51	19.69	19.87						
10	64QAM	25	12	19.54	19.69	19.78						
10	64QAM	25	25	19.55	19.71	19.82						
10	64QAM	50	0	19.53	19.67	19.81	21	2.5				
Channel												
Frequency (MHz)												
				16625	16900	19175						
Frequency (MHz)												
				1662.5	1690	1907.5						
5	QPSK	1	0	21.93	22.19	22.23	23.5	0				
5	QPSK	1	12	21.96	22.31	22.23						
5	QPSK	1	24	21.99	22.22	22.37						
5	QPSK	12	0	21.50	21.74	21.78						
5	QPSK	12	7	21.49	21.73	21.81	23	0.5				
5	QPSK	12	13	21.51	21.73	21.80						
5	QPSK	25	0	21.54	21.76	21.83						
5	16QAM	1	0	21.74	21.91	21.95						
5	16QAM	1	12	21.76	22.03	21.92	23	0.5				
5	16QAM	1	24	21.72	21.95	21.96						
5	16QAM	12	0	20.54	20.73	20.78						
5	16QAM	12	7	20.52	20.70	20.78						
5	16QAM	12	13	20.54	20.73	20.80	22	1.5				
5	16QAM	25	0	20.55	20.74	20.81						
5	64QAM	1	0	20.71	20.85	20.86						
5	64QAM	1	12	20.70	20.95	21.00						
5	64QAM	1	24	20.77	20.88	20.98	22	1.5				
5	64QAM	12	0	19.56	19.77	19.81						
5	64QAM	12	7	19.57	19.75	19.84						
5	64QAM	12	13	19.57	19.75	19.84						
5	64QAM	25	0	19.54	19.69	19.80	21	2.5				
Channel												
Frequency (MHz)												
				16615	16900	19185						
Frequency (MHz)												
				1661.5	1680	1906.5						
3	QPSK	1	0	21.90	22.19	22.26	23.5	0				
3	QPSK	1	8	21.90	22.20	22.25						
3	QPSK	1	14	21.95	22.18	22.31						
3	QPSK	8	0	21.46	21.69	21.79						
3	QPSK	8	4	21.43	21.67	21.75	23	0.5				
3	QPSK	8	7	21.46	21.69	21.75						
3	QPSK	15	0	21.45	21.64	21.72						
3	16QAM	1	0	21.71	21.83	21.94						
3	16QAM	1	8	21.65	21.86	21.83	23	0.5				
3	16QAM	1	14	21.71	21.83	21.93						
3	16QAM	8	0	20.53	20.72	20.83						
3	16QAM	8	4	20.47	20.71	20.82						
3	16QAM	8	7	20.50	20.70	20.79	22	1.5				
3	16QAM	15	0	20.50	20.67	20.78						
3	64QAM	1	0	20.62	20.86	20.91						
3	64QAM	1	8	20.60	20.82	20.88						
3	64QAM	1	14	20.63	20.84	20.93	22	1.5				
3	64QAM	8	0	19.54	19.71	19.80						
3	64QAM	8	4	19.48	19.71	19.80						
3	64QAM	8	7	19.49	19.70	19.79	21	2.5				
3	64QAM	15	0	19.46	19.64	19.76						
Channel												
Frequency (MHz)												
				16607	16900	19093						
Frequency (MHz)												
				1660.7	1680	1909.3						
1.4	QPSK	1	0	21.98	22.18	22.25	23.5	0				
1.4	QPSK	1	3	22.00	22.18	22.32						
1.4	QPSK	1	5	21.96	22.19	22.30						
1.4	QPSK	3	0	22.02	22.18	22.27						
1.4	QPSK	3	3	22.00	22.21	22.30	23	0.5				
1.4	QPSK	3	6	22.00	22.21	22.30						
1.4	QPSK	6	0	21.45	21.68	21.77						
1.4	16QAM	1	0	21.65	21.87	21.84						
1.4	16QAM	1	3	21.68	21.89	21.94	23	0.5				
1.4	16QAM	1	5	21.61	21.86	21.90						
1.4	16QAM	3	0	21.46	21.68	21.79						
1.4	16QAM	3	3	21.46	21.66	21.80						
1.4	16QAM	3	6	21.51	21.69	21.78	22	1.5				
1.4	64QAM	1	0	20.61	20.80	20.85						
1.4	64QAM	1	3	20.63	20.84	20.89						
1.4	64QAM	1	5	20.65	20.86	20.92						
1.4	64QAM	3	0	20.55	20.75	20.86	22	1.5				
1.4	64QAM	3	1	20.56	20.76	20.86						
1.4	64QAM	3	3	20.57	20.76	20.84						
1.4	64QAM	6	0	19.44	19.82	19.75						
1.4	64QAM	6	3	19.44	19.82	19.75	21	2.5				

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				20450	20525	20600				
Frequency (MHz)				629	636.5	644				
10	QPSK	1	0	23.68	23.62	23.56	24.5	0		
10	QPSK	1	25	23.72	23.75	23.62				
10	QPSK	1	49	23.55	23.56	23.54				
10	QPSK	25	0	22.18	22.13	22.10	23.5	1		
10	QPSK	25	12	22.20	22.25	22.14				
10	QPSK	25	25	22.17	22.12	22.07				
10	QPSK	50	0	22.19	22.24	22.12	23.5	1		
10	16QAM	1	0	22.24	22.27	22.24				
10	16QAM	1	25	22.27	22.23	22.23				
10	16QAM	1	49	22.18	22.24	22.16	22.5	2		
10	16QAM	25	0	20.97	20.94	20.94				
10	16QAM	25	12	20.98	20.92	20.95				
10	16QAM	25	25	20.97	20.94	20.91	22.5	2		
10	16QAM	50	0	20.98	20.94	20.96				
10	64QAM	1	0	21.15	21.09	21.10				
10	64QAM	1	25	21.13	21.14	21.19	22.5	2		
10	64QAM	1	49	21.06	21.11	21.09				
10	64QAM	25	0	19.97	19.90	19.93				
10	64QAM	25	12	19.99	19.91	19.94	21.5	3		
10	64QAM	25	25	19.97	19.93	19.90				
10	64QAM	50	0	19.96	19.93	19.92				
Channel				20425	20525	20625	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				626.5	636.5	646.5				
5	QPSK	1	0	23.42	23.38	23.43	24.5	0		
5	QPSK	1	12	23.47	23.50	23.43				
5	QPSK	1	24	23.48	23.43	23.38				
5	QPSK	12	0	21.97	21.94	21.92	23.5	1		
5	QPSK	12	7	21.96	21.92	21.92				
5	QPSK	12	13	21.95	21.90	21.90				
5	QPSK	25	0	21.99	21.97	21.95	23.5	1		
5	16QAM	1	0	22.23	22.14	22.22				
5	16QAM	1	12	22.27	22.28	22.18				
5	16QAM	1	24	22.23	22.17	22.11	22.5	2		
5	16QAM	12	0	20.95	20.95	20.91				
5	16QAM	12	7	20.97	20.93	20.93				
5	16QAM	12	13	20.95	20.89	20.90	22.5	2		
5	16QAM	25	0	21.00	20.94	20.93				
5	64QAM	1	0	21.12	21.08	21.11				
5	64QAM	1	12	21.16	21.16	21.13	22.5	2		
5	64QAM	1	24	21.12	21.09	21.01				
5	64QAM	12	0	20.00	19.97	19.95				
5	64QAM	12	7	19.99	19.93	19.93	21.5	3		
5	64QAM	12	13	19.99	19.92	19.92				
5	64QAM	25	0	19.97	19.93	19.92				
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				625.5	636.5	647.5				
3	QPSK	1	0	23.38	23.38	23.33	24.5	0		
3	QPSK	1	8	23.36	23.37	23.36				
3	QPSK	1	14	23.40	23.38	23.37				
3	QPSK	8	0	21.92	21.87	21.90	23.5	1		
3	QPSK	8	4	21.90	21.87	21.88				
3	QPSK	8	7	21.92	21.86	21.82				
3	QPSK	15	0	21.91	21.89	21.84	23.5	1		
3	16QAM	1	0	22.17	22.13	22.08				
3	16QAM	1	8	22.15	22.12	22.09				
3	16QAM	1	14	22.20	22.12	22.11	22.5	2		
3	16QAM	8	0	20.97	20.92	20.96				
3	16QAM	8	4	20.96	20.93	20.91				
3	16QAM	8	7	20.95	20.92	20.88	22.5	2		
3	16QAM	15	0	20.93	20.91	20.87				
3	64QAM	1	0	21.03	21.02	21.02				
3	64QAM	1	8	21.04	21.00	20.99	22.5	2		
3	64QAM	1	14	21.11	21.05	20.96				
3	64QAM	8	0	19.98	19.91	19.96				
3	64QAM	8	4	19.95	19.91	19.90	21.5	3		
3	64QAM	8	7	19.99	19.90	19.86				
3	64QAM	15	0	19.92	19.90	19.85				
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				624.7	636.5	648.3				
1.4	QPSK	1	0	23.39	23.38	23.36	24.5	0		
1.4	QPSK	1	3	23.44	23.41	23.38				
1.4	QPSK	1	5	23.45	23.41	23.37				
1.4	QPSK	3	0	23.44	23.37	23.37	23.5	1		
1.4	QPSK	3	1	23.44	23.39	23.39				
1.4	QPSK	3	3	23.45	23.40	23.39				
1.4	QPSK	6	0	21.94	21.86	21.87	23.5	1		
1.4	16QAM	1	0	22.17	22.12	22.08				
1.4	16QAM	1	3	22.16	22.12	22.11				
1.4	16QAM	1	5	22.18	22.12	22.09	23.5	1		
1.4	16QAM	3	0	21.92	21.82	21.84				
1.4	16QAM	3	1	21.92	21.86	21.87				
1.4	16QAM	3	3	21.94	21.87	21.80	22.5	2		
1.4	16QAM	6	0	21.03	20.92	20.96				
1.4	64QAM	1	0	21.04	21.02	21.01				
1.4	64QAM	1	3	21.03	21.05	21.00	22.5	2		
1.4	64QAM	1	5	21.08	21.07	21.01				
1.4	64QAM	3	0	21.02	20.95	20.94				
1.4	64QAM	3	1	21.01	20.99	20.96	21.5	3		
1.4	64QAM	3	3	21.02	20.97	20.95				
1.4	64QAM	6	0	19.93	19.82	19.86				

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	21.56	21.57	21.50	22.5	0		
20	QPSK	1	49	21.60	21.70	21.54				
20	QPSK	1	99	21.53	21.47	21.48				
20	QPSK	50	0	21.55	21.46	21.48	22.5	0		
20	QPSK	50	24	21.57	21.63	21.49				
20	QPSK	50	50	21.50	21.45	21.42				
20	QPSK	100	0	21.53	21.67	21.42	22.5	0		
20	16QAM	1	0	21.51	21.54	21.49				
20	16QAM	1	49	21.62	21.67	21.50				
20	16QAM	1	99	21.53	21.45	21.49	22	0.5		
20	16QAM	50	0	20.95	20.94	20.97				
20	16QAM	50	24	20.96	21.02	21.01				
20	16QAM	50	50	20.95	21.01	21.12	22	0.5		
20	16QAM	100	0	20.93	21.03	20.98				
20	64QAM	1	0	21.08	21.06	21.02				
20	64QAM	1	49	21.13	21.16	21.14	22	0.5		
20	64QAM	1	99	21.09	21.17	21.34				
20	64QAM	50	0	19.97	19.98	19.92				
20	64QAM	50	24	19.99	19.99	19.97	21	1.5		
20	64QAM	50	50	19.92	20.05	20.05				
20	64QAM	100	0	19.95	20.02	20.02				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	21.50	21.56	21.44	22.5	0		
15	QPSK	1	37	21.53	21.66	21.52				
15	QPSK	1	74	21.50	21.41	21.45				
15	QPSK	36	0	21.49	21.42	21.42	22.5	0		
15	QPSK	36	20	21.50	21.62	21.48				
15	QPSK	36	37	21.46	21.39	21.37				
15	QPSK	75	0	21.50	21.64	21.40	22.5	0		
15	16QAM	1	0	21.48	21.48	21.45				
15	16QAM	1	37	21.57	21.65	21.47				
15	16QAM	1	74	21.49	21.39	21.45	22	0.5		
15	16QAM	36	0	20.93	20.89	20.90				
15	16QAM	36	20	20.89	20.95	20.99				
15	16QAM	36	39	20.89	20.98	21.07	22	0.5		
15	16QAM	75	0	20.97	21.06	20.93				
15	64QAM	1	0	21.01	21.03	20.97				
15	64QAM	1	37	21.08	21.14	21.07	22	0.5		
15	64QAM	1	74	21.02	21.12	21.27				
15	64QAM	36	0	19.95	19.96	19.88				
15	64QAM	36	20	19.98	19.92	19.91	21	1.5		
15	64QAM	36	39	19.89	19.99	20.04				
15	64QAM	75	0	19.89	19.99	19.97				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	21.52	21.54	21.47	22.5	0		
10	QPSK	1	25	21.59	21.65	21.49				
10	QPSK	1	49	21.47	21.45	21.44				
10	QPSK	25	0	21.48	21.45	21.41	22.5	0		
10	QPSK	25	12	21.54	21.57	21.48				
10	QPSK	25	25	21.47	21.43	21.36				
10	QPSK	50	0	21.48	21.64	21.35	22.5	0		
10	16QAM	1	0	21.44	21.47	21.45				
10	16QAM	1	25	21.61	21.62	21.49				
10	16QAM	1	49	21.52	21.39	21.43	22	0.5		
10	16QAM	25	0	20.92	20.96	20.96				
10	16QAM	25	12	20.91	20.95	21.00				
10	16QAM	25	25	20.91	20.98	21.06	22	0.5		
10	16QAM	50	0	20.91	21.01	20.91				
10	64QAM	1	25	21.12	21.13	21.07				
10	64QAM	1	49	21.08	21.16	21.31	21	1.5		
10	64QAM	25	0	19.96	19.93	19.96				
10	64QAM	25	12	19.96	19.96	19.91				
10	64QAM	25	25	19.96	20.02	20.03	21	1.5		
10	64QAM	50	0	19.92	19.97	19.98				
Channel				20775	21100	21425			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2092.5	2535	2567.5				
5	QPSK	1	0	21.55	21.50	21.43	22.5	0		
5	QPSK	1	12	21.59	21.64	21.51				
5	QPSK	1	24	21.52	21.41	21.44				
5	QPSK	12	0	21.48	21.43	21.46	22.5	0		
5	QPSK	12	7	21.51	21.62	21.43				
5	QPSK	12	13	21.44	21.43	21.38				
5	QPSK	25	0	21.51	21.61	21.39	22.5	0		
5	16QAM	1	0	21.46	21.49	21.44				
5	16QAM	1	12	21.56	21.51	21.43				
5	16QAM	1	24	21.46	21.44	21.47	22	0.5		
5	16QAM	12	0	20.92	20.90	20.95				
5	16QAM	12	7	20.92	20.96	20.98				
5	16QAM	12	13	20.90	20.96	21.08	22	0.5		
5	16QAM	25	0	20.86	21.01	20.93				
5	64QAM	1	0	21.02	21.10	20.98				
5	64QAM	1	12	21.08	21.10	21.08	22	0.5		
5	64QAM	1	24	21.03	21.12	21.27				
5	64QAM	12	0	19.96	19.95	19.99				
5	64QAM	12	7	19.92	19.98	19.92	21	1.5		
5	64QAM	12	13	19.85	19.98	19.99				
5	64QAM	25	0	19.94	19.98	19.99				

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.96	16.99	16.99	17.5	0		
20	QPSK	1	49	17.05	17.15	17.13				
20	QPSK	1	99	16.98	17.04	17.11				
20	QPSK	50	0	16.92	16.88	16.92				
20	QPSK	50	24	17.04	17.09	17.07	17.5	0		
20	QPSK	50	50	16.90	17.00	17.06				
20	QPSK	100	0	17.02	17.12	16.97				
20	16QAM	1	0	16.93	16.96	16.93				
20	16QAM	1	49	17.05	17.11	17.08	17.5	0		
20	16QAM	1	99	16.89	16.95	17.03				
20	16QAM	50	0	16.89	16.84	16.89				
20	16QAM	50	24	16.99	17.08	17.01				
20	16QAM	50	50	16.84	16.94	16.97	17.5	0		
20	16QAM	100	0	16.90	17.04	16.95				
20	64QAM	1	0	16.92	16.95	16.95				
20	64QAM	1	49	17.00	17.12	17.09				
20	64QAM	1	99	16.95	17.00	17.07	17.5	0		
20	64QAM	50	0	16.87	16.81	16.89				
20	64QAM	50	24	16.93	17.06	17.05				
20	64QAM	50	50	16.83	16.96	17.02				
20	64QAM	100	0	16.95	17.01	16.96				
Channel				20525	21100	21375	Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	16.91	16.94	16.96	17.5	0		
15	QPSK	1	37	16.98	17.11	17.09				
15	QPSK	1	74	16.92	17.03	17.07				
15	QPSK	36	0	16.86	16.87	16.86				
15	QPSK	36	20	16.99	17.05	17.06	17.5	0		
15	QPSK	36	39	16.85	16.96	17.04				
15	QPSK	75	0	17.01	17.09	16.93				
15	16QAM	1	0	16.92	16.90	16.92				
15	16QAM	1	37	16.96	17.07	17.04	17.5	0		
15	16QAM	1	74	16.83	16.90	17.00				
15	16QAM	36	0	16.86	16.77	16.82				
15	16QAM	36	20	16.94	17.02	16.95				
15	16QAM	36	39	16.81	16.92	16.91	17.5	0		
15	16QAM	75	0	16.89	17.01	16.93				
15	64QAM	1	0	16.88	16.94	16.88				
15	64QAM	1	37	16.96	17.06	17.07				
15	64QAM	1	74	16.94	16.97	17.01	17.5	0		
15	64QAM	36	0	16.85	16.77	16.82				
15	64QAM	36	20	16.90	17.03	17.04				
15	64QAM	36	39	16.81	16.90	16.95				
15	64QAM	75	0	16.89	17.00	16.94				
Channel				20800	21100	21400	Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	16.91	16.93	16.97	17.5	0		
10	QPSK	1	25	16.99	17.11	17.12				
10	QPSK	1	49	16.92	16.96	17.10				
10	QPSK	25	0	16.89	16.86	16.85				
10	QPSK	25	12	16.99	17.03	17.03	17.5	0		
10	QPSK	25	25	16.85	16.93	17.02				
10	QPSK	50	0	16.96	17.11	16.93				
10	16QAM	1	0	16.91	16.86	16.91				
10	16QAM	1	25	17.04	17.08	17.03	17.5	0		
10	16QAM	1	49	16.82	16.93	17.02				
10	16QAM	25	0	16.82	16.80	16.86				
10	16QAM	25	12	16.95	17.02	16.94				
10	16QAM	25	25	16.83	16.93	16.92	17.5	0		
10	16QAM	50	0	16.87	17.00	16.92				
10	64QAM	1	0	16.88	16.90	16.88				
10	64QAM	1	25	16.96	17.11	17.04				
10	64QAM	1	49	16.94	16.95	17.04	17.5	0		
10	64QAM	25	0	16.84	16.76	16.83				
10	64QAM	25	12	16.90	17.00	17.00				
10	64QAM	25	25	16.77	16.93	16.97				
10	64QAM	50	0	16.90	16.97	16.92				
Channel				20775	21100	21425	Turnup limit (dBm)	MPR (dB)		
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	16.92	16.95	16.92	17.5	0		
5	QPSK	1	12	17.04	17.09	17.07				
5	QPSK	1	24	16.95	16.97	17.08				
5	QPSK	12	0	16.85	16.83	16.85				
5	QPSK	12	7	17.03	17.07	17.00	17.5	0		
5	QPSK	12	13	16.85	16.94	17.03				
5	QPSK	25	0	16.97	17.07	16.90				
5	16QAM	1	0	16.90	16.85	16.89				
5	16QAM	1	12	16.98	17.09	17.02	17.5	0		
5	16QAM	1	24	16.82	16.94	17.00				
5	16QAM	12	0	16.83	16.83	16.82				
5	16QAM	12	7	16.98	17.01	17.00				
5	16QAM	12	13	16.79	16.93	16.92	17.5	0		
5	16QAM	25	0	16.83	16.99	16.92				
5	64QAM	1	0	16.87	16.91	16.89				
5	64QAM	1	12	16.98	17.05	17.06				
5	64QAM	1	24	16.92	16.94	17.00	17.5	0		
5	64QAM	12	0	16.83	16.75	16.88				
5	64QAM	12	7	16.90	17.02	17.01				
5	64QAM	12	13	16.78	16.92	16.96				
5	64QAM	25	0	16.90	17.00	16.90				

Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel				26765	26865	26965						
Frequency (MHz)				821.5	831.5	841.5						
15	QPSK	1	0	23.35	23.24	23.23	24	0				
15	QPSK	1	37	23.38	23.39	23.28						
15	QPSK	1	74	23.28	23.16	23.15						
15	QPSK	36	0	22.23	22.19	22.21						
15	QPSK	36	20	22.26	22.27	22.21	23	1				
15	QPSK	36	39	22.24	22.22	22.20						
15	QPSK	75	0	22.25	22.26	22.17						
15	16QAM	1	0	22.37	22.30	22.31						
15	16QAM	1	37	22.30	22.37	22.33	23	1				
15	16QAM	1	74	22.39	22.24	22.20						
15	16QAM	36	0	21.06	21.04	21.07						
15	16QAM	36	20	21.04	21.03	21.04						
15	16QAM	36	39	21.08	21.02	21.00	22	2				
15	16QAM	75	0	21.10	21.03	21.05						
15	64QAM	1	0	21.23	21.18	21.26						
15	64QAM	1	37	21.21	21.29	21.24						
15	64QAM	1	74	21.29	21.18	21.17	22	2				
15	64QAM	36	0	20.06	20.05	20.06						
15	64QAM	36	20	20.04	20.02	20.03						
15	64QAM	36	39	20.05	20.02	19.99						
15	64QAM	75	0	20.09	20.02	20.04	21	3				
Channel				26740	26865	26960	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	23.07	23.04	23.10	24	0				
10	QPSK	1	25	23.13	23.13	23.07						
10	QPSK	1	49	23.03	23.00	22.99						
10	QPSK	25	0	22.03	22.01	22.03						
10	QPSK	25	12	22.04	22.01	22.02	23	1				
10	QPSK	25	25	22.07	22.03	22.01						
10	QPSK	50	0	22.08	22.01	22.02						
10	16QAM	1	0	22.34	22.32	22.31						
10	16QAM	1	25	22.42	22.39	22.36	23	1				
10	16QAM	1	49	22.31	22.25	22.22						
10	16QAM	25	0	21.04	21.00	21.02						
10	16QAM	25	12	21.05	21.00	21.03						
10	16QAM	25	25	21.06	21.01	21.01	22	2				
10	16QAM	50	0	21.07	21.00	21.01						
10	64QAM	1	0	21.28	21.20	21.19						
10	64QAM	1	25	21.27	21.28	21.24						
10	64QAM	1	49	21.21	21.19	21.15	22	2				
10	64QAM	25	0	20.04	20.02	20.03						
10	64QAM	25	12	20.04	20.00	20.01						
10	64QAM	25	25	20.07	20.00	20.03						
10	64QAM	50	0	20.06	20.02	20.01	21	3				
Channel				26715	26865	27015				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	845.5						
5	QPSK	1	0	23.02	22.97	22.98				24	0	
5	QPSK	1	12	23.08	23.07	22.98						
5	QPSK	1	24	23.01	23.02	22.96						
5	QPSK	12	0	22.04	22.02	22.03						
5	QPSK	12	13	22.05	22.02	22.01	23	1				
5	QPSK	12	13	22.03	22.00	21.95						
5	QPSK	25	0	22.08	22.05	22.02						
5	16QAM	1	0	22.35	22.32	22.28						
5	16QAM	1	12	22.37	22.28	22.26	23	1				
5	16QAM	1	24	22.25	22.27	22.20						
5	16QAM	12	0	21.06	21.00	21.03						
5	16QAM	12	7	21.07	21.02	21.00						
5	16QAM	12	13	21.04	21.00	20.95	22	2				
5	16QAM	25	0	21.09	21.02	21.02						
5	64QAM	1	0	21.20	21.13	21.17						
5	64QAM	1	12	21.26	21.24	21.17						
5	64QAM	1	24	21.17	21.12	21.12	22	2				
5	64QAM	12	0	20.09	20.03	20.06						
5	64QAM	12	7	20.08	20.05	20.02						
5	64QAM	12	13	20.06	20.04	19.99						
5	64QAM	25	0	20.04	20.02	20.00	21	3				
Channel				26705	26865	27005				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5						
3	QPSK	1	0	22.99	22.93	22.94				24	0	
3	QPSK	1	8	22.95	22.94	22.85						
3	QPSK	1	14	22.92	22.97	22.90						
3	QPSK	8	0	21.99	21.91	21.96						
3	QPSK	8	4	22.01	21.99	21.92	23	1				
3	QPSK	8	7	22.00	21.98	21.92						
3	QPSK	15	0	22.00	21.98	21.92						
3	16QAM	1	0	22.24	22.20	22.19						
3	16QAM	1	8	22.22	22.23	22.17	23	1				
3	16QAM	1	14	22.27	22.23	22.20						
3	16QAM	8	0	21.08	21.01	21.00						
3	16QAM	8	4	21.04	21.00	20.96						
3	16QAM	8	7	21.05	21.02	20.95	22	2				
3	16QAM	15	0	21.09	21.00	20.98						
3	16QAM	15	0	21.05	20.98	20.95						
3	16QAM	1	0	21.15	21.12	21.08						
3	64QAM	1	8	21.11	21.12	21.05	22	2				
3	64QAM	1	14	21.14	21.14	21.11						
3	64QAM	8	0	20.03	20.00	19.99						
3	64QAM	8	4	20.04	20.00	19.94						
3	64QAM	8	7	20.02	20.04	19.96	21	3				
3	64QAM	15	0	19.99	19.99	19.95						
Channel				26697	26865	27033				Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	23.05	23.02	22.93	24	0				
1.4	QPSK	1	3	23.03	23.00	22.90						
1.4	QPSK	1	5	23.01	23.01	22.94						
1.4	QPSK	3	0	23.03	23.03	22.94						
1.4	QPSK	3	1	23.04	23.01	22.94	23	1				
1.4	QPSK	3	3	23.03	23.00	22.95						
1.4	QPSK	6	0	22.03	21.98	21.94						
1.4	16QAM	1	0	22.27	22.26	22.17						
1.4	16QAM	1	3	22.28	22.28	22.15	23	1				
1.4	16QAM	1	5	22.25	22.25	22.20						
1.4	16QAM	3	0	22.01	21.97	21.90						
1.4	16QAM	3	1	22.02	21.99	21.92						
1.4	16QAM	3	3	22.00	21.99	21.92	22	2				
1.4	64QAM	1	0	21.17	21.17	21.12						
1.4	64QAM	1	3	21.18	21.18	21.07						
1.4	64QAM	1	5	21.15	21.12	21.12						
1.4	64QAM	3	0	21.10	21.09	21.03	22	2				
1.4	64QAM	3	1	21.11	21.07	20.99						
1.4	64QAM	3	3	21.13	21.12	21.05						
1.4	64QAM	6	0	20.00	19.96	19.90						
1.4	64QAM	6	0	20.00	19.96	19.90	21	3				

Band 66_Ant 0(Other PA)(66A-n7A)										
BW (MHz)	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	22.53	22.56	22.50	23.5	0		
20	QPSK	1	49	22.60	22.63	22.56				
20	QPSK	1	99	22.48	22.50	22.42				
20	QPSK	50	0	22.06	22.03	21.96	23	0.5		
20	QPSK	50	24	22.11	22.15	22.08				
20	QPSK	50	50	22.01	22.03	21.98				
20	QPSK	100	0	22.10	22.12	22.06	23	0.5		
20	16QAM	1	0	21.97	22.01	21.93				
20	16QAM	1	49	22.04	22.03	22.01				
20	16QAM	1	99	22.03	22.00	21.92	22	1.5		
20	16QAM	50	0	21.00	21.01	20.98				
20	16QAM	50	24	21.05	21.02	21.00				
20	16QAM	50	50	21.01	21.06	20.96	22	1.5		
20	16QAM	100	0	21.00	21.03	20.91				
20	64QAM	1	0	20.99	21.05	20.91	22	1.5		
20	64QAM	1	49	20.98	21.04	20.96				
20	64QAM	1	99	21.04	21.06	20.92				
20	64QAM	50	0	19.97	19.98	19.92	21	2.5		
20	64QAM	50	24	20.02	20.00	19.92				
20	64QAM	50	50	19.99	19.99	19.97				
20	64QAM	100	0	20.02	20.04	19.94				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.39	22.51	22.41	23.5	0		
15	QPSK	1	37	22.51	22.55	22.46				
15	QPSK	1	74	22.34	22.44	22.30				
15	QPSK	36	0	21.94	21.97	21.87	23	0.5		
15	QPSK	36	20	22.02	22.05	21.92				
15	QPSK	36	39	21.89	21.90	21.93				
15	QPSK	75	0	21.95	22.06	21.95	23	0.5		
15	16QAM	1	0	21.83	21.91	21.88				
15	16QAM	1	37	21.96	21.90	21.95				
15	16QAM	1	74	21.89	21.87	21.83	22	1.5		
15	16QAM	36	0	20.95	20.95	20.83				
15	16QAM	36	20	20.98	20.90	20.85				
15	16QAM	36	39	20.95	21.00	20.84	22	1.5		
15	16QAM	75	0	20.89	20.89	20.80				
15	64QAM	1	0	20.94	20.93	20.80	22	1.5		
15	64QAM	1	37	20.84	20.94	20.83				
15	64QAM	1	74	20.95	20.93	20.86				
15	64QAM	36	0	19.86	19.85	19.81	21	2.5		
15	64QAM	36	20	19.95	19.92	19.84				
15	64QAM	36	39	19.85	19.91	19.87				
15	64QAM	75	0	19.93	19.94	19.82				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
10	QPSK	1	0	22.47	22.46	22.41	23.5	0		
10	QPSK	1	25	22.48	22.48	22.50				
10	QPSK	1	49	22.33	22.38	22.34				
10	QPSK	25	0	21.93	21.88	21.82	23	0.5		
10	QPSK	25	12	21.99	21.99	22.03				
10	QPSK	25	25	21.86	21.90	21.88				
10	QPSK	50	0	21.84	22.06	21.97	23	0.5		
10	16QAM	1	0	21.87	21.87	21.80				
10	16QAM	1	25	21.93	21.92	21.87				
10	16QAM	1	49	21.87	21.87	21.80	22	1.5		
10	16QAM	25	0	20.93	20.86	20.84				
10	16QAM	25	12	21.00	20.94	20.85				
10	16QAM	25	25	20.89	20.90	20.85	22	1.5		
10	16QAM	50	0	20.85	20.97	20.80				
10	64QAM	1	0	20.86	20.96	20.85	22	1.5		
10	64QAM	1	25	20.93	20.96	20.83				
10	64QAM	1	49	20.95	20.90	20.83				
10	64QAM	25	0	19.89	19.83	19.78	21	2.5		
10	64QAM	25	12	19.97	19.94	19.86				
10	64QAM	25	25	19.88	19.93	19.87				
10	64QAM	50	0	19.90	19.92	19.82				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.38	22.51	22.39	23.5	0		
5	QPSK	1	12	22.53	22.56	22.49				
5	QPSK	1	24	22.41	22.37	22.28				
5	QPSK	12	0	22.00	21.93	21.88	23	0.5		
5	QPSK	12	7	22.03	22.04	21.96				
5	QPSK	12	13	21.95	21.93	21.90				
5	QPSK	25	0	21.94	22.06	21.91	23	0.5		
5	16QAM	1	0	21.83	21.85	21.87				
5	16QAM	1	12	21.94	21.91	21.95				
5	16QAM	1	24	21.92	21.84	21.79	22	1.5		
5	16QAM	12	0	20.91	20.88	20.86				
5	16QAM	12	7	20.95	20.88	20.86				
5	16QAM	12	13	20.92	21.01	20.91	22	1.5		
5	16QAM	25	0	20.95	20.98	20.78				
5	64QAM	1	0	20.89	20.94	20.82	22	1.5		
5	64QAM	1	12	20.91	20.92	20.86				
5	64QAM	1	24	20.90	20.93	20.79				
5	64QAM	12	0	19.86	19.92	19.86	21	2.5		
5	64QAM	12	7	19.94	19.92	19.88				
5	64QAM	12	13	19.84	19.93	19.92				
5	64QAM	25	0	19.89	19.99	19.80				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.46	22.41	22.38	23.5	0		
3	QPSK	1	8	22.50	22.47	22.48				
3	QPSK	1	14	22.35	22.40	22.31				
3	QPSK	8	0	21.99	21.88	21.81	23	0.5		
3	QPSK	8	4	21.97	22.01	22.00				
3	QPSK	8	7	21.87	21.88	21.86				
3	QPSK	15	0	22.03	21.99	21.96	23	0.5		
3	16QAM	1	0	21.89	21.86	21.88				
3	16QAM	1	8	21.95	21.93	21.90				
3	16QAM	1	14	21.87	21.93	21.84	22	1.5		
3	16QAM	8	0	20.88	20.89	20.87				
3	16QAM	8	4	20.97	20.89	20.90				
3	16QAM	8	7	20.96	20.95	20.91	22	1.5		
3	16QAM	15	0	20.94	20.94	20.77				
3	64QAM	1	0	20.92	20.92	20.78	22	1.5		
3	64QAM	1	8	20.87	20.94	20.91				
3	64QAM	1	14	20.89	20.93	20.78				
3	64QAM	8	0	19.81	19.90	19.76	21	2.5		
3	64QAM	8	4	19.92	19.84	19.83				
3	64QAM	8	7	19.89	19.92	19.84				
3	64QAM	15	0	19.95	19.94	19.89				
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	22.54	22.56	22.48	23.5	0		
1.4	QPSK	1	3	22.52	22.47	22.44				
1.4	QPSK	1	5	22.51	22.56	22.48				
1.4	QPSK	3	0	22.53	22.49	22.41	23	0.5		
1.4	QPSK	3	1	22.46	22.58	22.44				
1.4	QPSK	3	3	22.47	22.55	22.40				
1.4	QPSK	6	0	21.94	22.05	21.97	23	0.5		
1.4	16QAM	1	0	21.96	22.03	21.92				
1.4	16QAM	1	3	21.95	22.05	21.93	23	0.5		
1.4	16QAM	1	5	21.96	22.05	21.95				
1.4	16QAM	3	0	22.02	22.01	21.98				
1.4	16QAM	3	1	22.05	22.06	21.96	22	1.5		
1.4	16QAM	3	3	22.05	22.04	21.91				
1.4	64QAM	1	0	20.98	21.04	20.97	22	1.5		
1.4	64QAM	1	3	21.04	21.08	21.00				
1.4	64QAM	1	3	21.01	20.99	20.90	22	1.5		
1.4	64QAM	1	5	20.95	20.97	21.00				
1.4	64QAM	3	0	21.03	21.02	20.90				
1.4	64QAM	3	1	20.96	21.07	20.95	22	1.5		
1.4	64QAM	3	3	20.97	21.04	20.90				
1.4	64QAM	6	0	20.01	20.03	19.94	21	2.5		

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	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.35	23.25	23.25			
20	QPSK	1	49	23.39	23.39	23.29			
20	QPSK	1	99	23.20	23.18	22.90	23	1	
20	QPSK	50	0	22.31	22.23	22.27			
20	QPSK	50	24	22.32	22.24	22.09			
20	QPSK	50	50	22.37	22.22	22.26			
20	QPSK	100	0	22.29	22.35	22.28	23	1	
20	16QAM	1	0	22.26	22.37	22.33			
20	16QAM	1	49	22.45	22.51	22.51			
20	16QAM	1	99	22.40	22.42	22.38			
20	16QAM	50	0	21.29	21.36	21.36	22	2	
20	16QAM	50	24	21.39	21.36	21.37			
20	16QAM	50	50	21.40	21.39	21.35			
20	16QAM	100	0	21.33	21.39	21.41			
20	64QAM	1	0	20.99	21.11	21.06	22	2	
20	64QAM	1	49	21.16	21.20	21.19			
20	64QAM	1	99	21.13	21.12	21.08			
20	64QAM	50	0	20.27	20.31	20.32			
20	64QAM	50	24	20.35	20.35	20.38	21	3	
20	64QAM	50	50	20.35	20.36	20.32			
20	64QAM	100	0	20.31	20.37	20.38			
Channel				37850	38000	38150			
Frequency (MHz)				2597.5	2595	2612.5	24	0	
15	QPSK	1	0	23.22	23.26	23.14			
15	QPSK	1	37	23.37	23.35	23.11			
15	QPSK	1	74	23.35	23.22	23.02	23	1	
15	QPSK	36	0	22.28	22.28	22.23			
15	QPSK	36	20	22.32	22.25	22.24			
15	QPSK	36	39	22.33	22.30	22.23			
15	QPSK	75	0	22.29	22.27	22.26	23	1	
15	16QAM	1	0	22.26	22.35	22.25			
15	16QAM	1	37	22.42	22.43	22.30			
15	16QAM	1	74	22.46	22.42	22.20			
15	16QAM	36	0	21.31	21.29	21.25	22	2	
15	16QAM	36	20	21.37	21.32	21.28			
15	16QAM	36	39	21.39	21.33	21.29			
15	16QAM	75	0	21.41	21.38	21.35			
15	64QAM	1	0	21.11	21.16	21.04	22	2	
15	64QAM	1	37	21.23	21.23	21.07			
15	64QAM	1	74	21.28	21.22	21.09			
15	64QAM	36	0	20.32	20.31	20.30			
15	64QAM	36	20	20.35	20.32	20.30	21	3	
15	64QAM	36	39	20.40	20.35	20.30			
15	64QAM	75	0	20.38	20.38	20.34			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	24	0	
10	QPSK	1	0	23.28	23.17	22.83			
10	QPSK	1	25	23.31	23.29	23.03			
10	QPSK	1	49	23.26	23.12	22.90	23	1	
10	QPSK	25	0	22.38	22.37	22.32			
10	QPSK	25	13	22.40	22.39	22.31			
10	QPSK	25	25	22.44	22.40	22.33			
10	QPSK	50	0	22.39	22.39	22.32	23	1	
10	16QAM	1	0	22.50	22.39	22.40			
10	16QAM	1	25	22.46	22.50	22.36			
10	16QAM	1	49	22.55	22.46	22.39			
10	16QAM	25	0	21.38	21.38	21.33	22	2	
10	16QAM	25	12	21.39	21.38	21.35			
10	16QAM	25	25	21.44	21.39	21.36			
10	16QAM	50	0	21.42	21.38	21.33			
10	64QAM	1	0	21.18	21.10	21.12	22	2	
10	64QAM	1	25	21.15	21.22	21.10			
10	64QAM	1	49	21.26	21.18	21.10			
10	64QAM	25	0	20.38	20.40	20.35			
10	64QAM	25	12	20.41	20.38	20.34	21	3	
10	64QAM	25	25	20.47	20.41	20.35			
10	64QAM	50	0	20.36	20.36	20.30			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	23.32	23.35	23.29			
5	QPSK	1	12	23.36	23.36	23.08			
5	QPSK	1	24	23.35	23.25	22.98	23	1	
5	QPSK	12	0	22.40	22.40	22.38			
5	QPSK	12	7	22.35	22.42	22.37			
5	QPSK	12	13	22.35	22.42	22.36			
5	QPSK	25	0	22.40	22.44	22.36	23	1	
5	16QAM	1	0	22.50	22.45	22.41			
5	16QAM	1	12	22.43	22.55	22.44			
5	16QAM	1	24	22.48	22.50	22.42			
5	16QAM	12	0	21.38	21.37	21.34	22	2	
5	16QAM	12	7	21.33	21.37	21.32			
5	16QAM	12	13	21.33	21.38	21.33			
5	16QAM	25	0	21.42	21.44	21.41			
5	64QAM	1	0	21.23	21.16	21.12	22	2	
5	64QAM	1	12	21.18	21.23	21.08			
5	64QAM	1	24	21.17	21.16	21.12			
5	64QAM	12	0	20.37	20.41	20.35			
5	64QAM	12	7	20.34	20.40	20.35	21	3	
5	64QAM	12	13	20.33	20.40	20.34			
5	64QAM	25	0	20.41	20.44	20.38			

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	24.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.68	23.82	23.80	23.86	23.45				
20	QPSK	1	49	23.72	23.86	23.82	23.91	23.55				
20	QPSK	1	99	23.70	23.72	23.73	23.89	22.98	23.5	1		
20	QPSK	50	0	22.13	22.18	22.28	22.46	22.35				
20	QPSK	50	24	22.16	22.20	22.31	22.48	22.38				
20	QPSK	50	50	22.10	22.08	22.20	22.40	22.36				
20	QPSK	100	0	22.29	22.33	22.23	22.42	22.38	23.5	1		
20	16QAM	1	0	22.17	22.25	22.39	22.26	22.08				
20	16QAM	1	49	22.23	22.33	22.50	22.30	22.16				
20	16QAM	1	99	22.18	22.36	22.42	22.22	22.14				
20	16QAM	50	0	21.14	21.22	21.37	21.24	21.11	22.5	2		
20	16QAM	50	24	21.15	21.30	21.41	21.21	21.09				
20	16QAM	50	50	21.15	21.29	21.38	21.23	21.06				
20	16QAM	100	0	21.19	21.28	21.37	21.24	21.09				
20	64QAM	1	0	20.88	20.95	21.09	20.99	20.79	22.5	2		
20	64QAM	1	49	20.90	21.06	21.20	21.00	20.88				
20	64QAM	1	99	20.89	21.02	21.11	20.96	20.82				
20	64QAM	50	0	20.12	20.19	20.32	20.21	20.05				
20	64QAM	50	24	20.16	20.25	20.40	20.20	20.06	21.5	3		
20	64QAM	50	50	20.12	20.23	20.36	20.17	20.01				
20	64QAM	100	0	20.17	20.24	20.36	20.22	20.08				
Channel				39750	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.61	23.70	23.84	23.74	23.51	24.5	0		
15	QPSK	1	37	23.71	23.84	23.90	23.77	23.34				
15	QPSK	1	74	23.70	23.80	23.88	23.71	23.13				
15	QPSK	36	0	22.14	22.23	22.33	22.18	22.06				
15	QPSK	36	20	22.16	22.28	22.37	22.19	22.07	23.5	1		
15	QPSK	36	39	22.14	22.24	22.33	22.21	22.07				
15	QPSK	75	0	22.15	22.25	22.32	22.18	22.07				
15	16QAM	1	0	22.19	22.23	22.38	22.24	22.12				
15	16QAM	1	37	22.24	22.34	22.48	22.31	22.17	23.5	1		
15	16QAM	1	74	22.21	22.34	22.45	22.29	22.14				
15	16QAM	36	0	21.08	21.16	21.27	21.14	21.00				
15	16QAM	36	20	21.08	21.21	21.30	21.13	20.99				
15	16QAM	36	39	21.08	21.16	21.28	21.12	20.87	22.5	2		
15	16QAM	75	0	21.16	21.23	21.35	21.20	20.88				
15	16QAM	1	1	20.88	20.95	21.10	20.96	20.82				
15	64QAM	1	37	20.94	21.03	21.19	21.03	20.84				
15	64QAM	1	74	20.89	21.01	21.12	20.99	20.85	21.5	3		
15	64QAM	36	0	20.11	20.16	20.30	20.16	20.02				
15	64QAM	36	20	20.11	20.19	20.31	20.12	20.01				
15	64QAM	36	39	20.10	20.19	20.29	20.14	19.99				
15	64QAM	75	0	20.14	20.20	20.29	20.15	20.05				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685	24.5	0		
10	QPSK	1	0	23.47	23.73	23.89	23.70	23.29				
10	QPSK	1	25	23.64	23.79	23.85	23.71	23.12				
10	QPSK	1	49	23.65	23.83	23.82	23.74	22.86				
10	QPSK	25	0	22.16	22.23	22.37	22.20	22.11	23.5	1		
10	QPSK	25	12	22.13	22.25	22.37	22.19	22.10				
10	QPSK	25	25	22.14	22.28	22.36	22.22	22.11				
10	QPSK	50	0	22.15	22.26	22.35	22.21	22.13				
10	16QAM	1	0	22.23	22.29	22.44	22.30	22.20	23.5	1		
10	16QAM	1	25	22.19	22.33	22.47	22.26	22.19				
10	16QAM	1	49	22.21	22.38	22.42	22.30	22.22				
10	16QAM	25	0	21.16	21.27	21.39	21.22	21.14				
10	16QAM	25	12	21.16	21.25	21.38	21.21	21.14	22.5	2		
10	16QAM	25	25	21.16	21.29	21.37	21.21	21.14				
10	16QAM	50	0	21.16	21.26	21.37	21.23	21.14				
10	64QAM	1	0	20.94	20.96	21.16	20.98	20.86				
10	64QAM	1	25	20.91	21.00	21.17	20.95	20.88	22.5	2		
10	64QAM	1	49	20.91	21.04	21.13	20.96	20.90				
10	64QAM	25	0	20.19	20.25	20.39	20.21	20.16				
10	64QAM	25	12	20.17	20.26	20.38	20.22	20.14				
10	64QAM	25	25	20.18	20.29	20.37	20.26	20.23	21.5	3		
10	64QAM	50	0	20.13	20.22	20.32	20.17	20.10				
Channel				39675	40148	40620	41033	41505			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5			24.5	0
5	QPSK	1	0	23.71	23.73	23.85	23.66	23.45				
5	QPSK	1	24	23.70	23.80	23.88	23.68	23.16				
5	QPSK	1	24	23.69	23.77	23.83	23.67	23.01				
5	QPSK	12	0	22.26	22.28	22.42	22.23	22.14	23.5	1		
5	QPSK	12	7	22.25	22.27	22.42	22.21	22.14				
5	QPSK	12	13	22.22	22.29	22.42	22.21	22.11				
5	QPSK	25	0	22.23	22.28	22.41	22.24	22.17				
5	16QAM	1	0	22.27	22.28	22.43	22.25	22.20	23.5	1		
5	16QAM	1	12	22.30	22.36	22.48	22.28	22.24				
5	16QAM	1	24	22.26	22.34	22.51	22.28	22.23				
5	16QAM	12	0	21.22	21.23	21.33	21.18	21.09				
5	16QAM	12	7	21.16	21.22	21.36	21.18	21.09	22.5	2		
5	16QAM	12	13	21.16	21.24	21.36	21.16	21.07				
5	16QAM	25	0	21.25	21.29	21.41	21.25	21.17				
5	64QAM	1	0	20.99	21.00	21.17	20.97	20.92				
5	64QAM	1	12	20.99	21.06	21.17	20.97	20.92	22.5	2		
5	64QAM	1	24	20.97	21.10	21.20	20.96	20.93				
5	64QAM	12	0	20.23	20.24	20.37	20.21	20.13				
5	64QAM	12	7	20.21	20.23	20.38	20.20	20.14				
5	64QAM	12	13	20.19	20.25	20.39	20.19	20.10	21.5	3		
5	64QAM	25	0	20.24	20.28	20.40	20.21	20.14				

Full&Default Power

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	24.2	0.0	
Frequency (MHz)				834	836.5	838			
20	PV2 BPSK	1	1	22.91	22.94	22.89	24.2	0.0	
20	PV2 BPSK	1	53	22.84	22.90	22.85			
20	PV2 BPSK	1	104	22.81	22.83	22.80			
20	PV2 BPSK	50	0	22.45	22.50	22.43	23.7	0.5	
20	PV2 BPSK	50	28	22.89	22.93	22.86	24.2	0.5	
20	PV2 BPSK	50	56	22.40	22.45	22.42	23.7	0.5	
20	PV2 BPSK	100	0	22.37	22.42	22.41	24.2	0.0	
20	QPSK	1	1	22.91	22.96	22.93			
20	QPSK	1	53	22.90	22.94	22.90			
20	QPSK	1	104	22.86	22.90	22.86	23.2	1.0	
20	QPSK	50	0	21.88	21.91	21.90	24.2	0.0	
20	QPSK	50	28	22.68	22.91	22.85	24.2	0.0	
20	QPSK	50	56	21.89	21.92	21.90	23.2	1.0	
20	QPSK	100	0	21.85	21.88	21.83	23.2	1.0	
20	16QAM	1	1	21.69	21.71	21.70	23.2	1.0	
20	64QAM	1	1	20.20	20.23	20.20	21.7	2.5	
20	256QAM	1	1	18.88	18.90	18.88	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5 <td rowspan="2">24.2</td> <td colspan="2" rowspan="2">0.0</td>	24.2	0.0	
15	QPSK	1	1	22.89	22.95	22.89			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.2	0.0	
10	QPSK	1	1	22.77	22.84	22.78			
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5 <td rowspan="2">24.2</td> <td colspan="2" rowspan="2">0.0</td>	24.2	0.0	
5	QPSK	1	1	22.80	22.81	22.76			

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	24.2	0.0	
Frequency (MHz)				834	836.5	838			
20	PV2 BPSK	1	1	22.64	22.69	22.65	24.2	0.0	
20	PV2 BPSK	1	53	22.67	22.68	22.67			
20	PV2 BPSK	1	104	22.66	22.70	22.67			
20	PV2 BPSK	50	0	22.21	22.22	22.19	23.7	0.5	
20	PV2 BPSK	50	28	22.69	22.71	22.65	24.2	0.5	
20	PV2 BPSK	50	56	22.15	22.19	22.13	23.7	0.5	
20	QPSK	1	1	22.69	22.74	22.73	24.2	0.0	
20	QPSK	1	53	22.65	22.71	22.67			
20	QPSK	1	104	22.61	22.66	22.65			
20	QPSK	50	0	21.64	21.68	21.66	23.2	1.0	
20	QPSK	50	28	22.60	22.65	22.58	24.2	0.0	
20	QPSK	50	56	21.62	21.67	21.61	23.2	1.0	
20	QPSK	100	0	21.56	21.63	21.57	23.2	1.0	
20	16QAM	1	1	21.40	21.46	21.42	23.2	1.0	
20	64QAM	1	1	19.91	19.96	19.94	21.7	2.5	
20	256QAM	1	1	18.67	18.68	18.66	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5 <td rowspan="2">24.2</td> <td colspan="2" rowspan="2">0.0</td>	24.2	0.0	
15	QPSK	1	1	22.63	22.67	22.72			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.2	0.0	
10	QPSK	1	1	22.67	22.70	22.68			
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5 <td rowspan="2">24.2</td> <td colspan="2" rowspan="2">0.0</td>	24.2	0.0	
5	QPSK	1	1	22.62	22.73	22.68			

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				502000	507000	512000	23.7	0.0	
Frequency (MHz)				2510	2535	2560			
20	PV2 BPSK	1	1	23.10	23.13	23.09	23.7	0.0	
20	PV2 BPSK	1	53	23.07	23.11	23.10			
20	PV2 BPSK	1	104	23.04	23.07	23.01			
20	PV2 BPSK	50	0	22.63	22.70	22.69	23.2	0.5	
20	PV2 BPSK	50	28	23.05	23.11	23.08	23.7	0.5	
20	PV2 BPSK	50	56	22.94	22.87	22.81	23.2	0.5	
20	PV2 BPSK	100	0	22.62	22.67	22.62	23.7	0.0	
20	QPSK	1	1	23.19	23.25	23.13			
20	QPSK	1	53	23.06	23.13	23.12			
20	QPSK	1	104	22.99	23.05	23.04	22.7	1.0	
20	QPSK	50	0	22.15	22.18	22.14	22.7	0.0	
20	QPSK	50	28	23.05	23.14	23.07	23.7	0.0	
20	QPSK	50	56	22.09	22.12	22.05	22.7	1.0	
20	QPSK	100	0	22.09	22.13	22.12	22.7	1.0	
20	16QAM	1	1	21.80	21.85	21.78	22.7	1.0	
20	64QAM	1	1	20.46	20.48	20.44	21.2	2.5	
20	256QAM	1	1	18.96	19.03	18.99	19.2	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5 <th rowspan="2">23.7</th> <th colspan="2" rowspan="2">0.0</th>	23.7	0.0	
15	QPSK	1	1	23.07	23.11	23.01			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.7	0.0	
10	QPSK	1	1	23.04	23.08	22.98			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5 <th rowspan="2">23.7</th> <th colspan="2" rowspan="2">0.0</th>	23.7	0.0	
5	QPSK	1	1	23.03	23.14	22.90			

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.2	0.0
Frequency (MHz)				2410	2415	2460		
20	PI2 BPSK	1	1	23.60	23.61	23.57		
20	PI2 BPSK	1	53	23.54	23.56	23.52	23.7	0.5
20	PI2 BPSK	1	104	23.41	23.48	23.42		
20	PI2 BPSK	50	0	23.14	23.15	23.13		
20	PI2 BPSK	50	28	23.53	23.54	23.53	23.7	0.5
20	PI2 BPSK	50	56	23.09	23.12	23.05		
20	PI2 BPSK	100	0	23.06	23.12	23.06		
20	QPSK	1	1	23.63	23.68	23.47	24.2	0.0
20	QPSK	1	53	23.55	23.59	23.33		
20	QPSK	1	104	23.45	23.48	23.31		
20	QPSK	50	0	22.58	22.62	22.46	23.2	1.0
20	QPSK	50	28	23.57	23.58	23.48		
20	QPSK	50	56	22.53	22.58	22.45		
20	QPSK	100	0	22.58	22.59	22.45	23.2	1.0
20	16QAM	1	1	22.31	22.37	22.23		
20	16QAM	1	1	20.83	20.88	20.73		
20	256QAM	1	1	19.47	19.53	19.41	19.7	4.5
Channel				501500	507000	512500		
Frequency (MHz)				2567.5	2635	2662.5		
15	QPSK	1	1	23.56	23.66	23.40	24.2	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.60	23.63	23.44	24.2	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.58	23.61	23.46	24.2	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	23.2	0.0
Frequency (MHz)				2410	2415	2460		
20	PI2 BPSK	1	1	21.68	21.68	21.63		
20	PI2 BPSK	1	53	21.68	21.65	21.63	22.7	0.5
20	PI2 BPSK	1	104	21.59	21.64	21.64		
20	PI2 BPSK	50	0	21.15	21.16	21.07		
20	PI2 BPSK	50	28	21.59	21.67	21.61	22.7	0.5
20	PI2 BPSK	50	56	21.12	21.14	21.16		
20	PI2 BPSK	100	0	21.10	21.15	21.08		
20	QPSK	1	1	21.75	21.78	21.72	23.2	0.0
20	QPSK	1	53	21.73	21.75	21.70		
20	QPSK	1	104	21.58	21.62	21.56		
20	QPSK	50	0	20.72	20.75	20.70	23.2	1.0
20	QPSK	50	28	21.70	21.73	21.68		
20	QPSK	50	56	20.65	20.69	20.62		
20	QPSK	100	0	20.67	20.70	20.65	22.2	1.0
20	16QAM	1	1	20.43	20.47	20.41		
20	16QAM	1	1	19.02	19.05	19.00		
20	256QAM	1	1	17.58	17.60	17.56	18.7	4.5
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2635	2662.5		
15	QPSK	1	1	21.69	21.66	21.65	23.2	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.64	21.72	21.56	23.2	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.68	21.70	21.58	23.2	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				344000	349000	354000	24.2	0.0
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	23.23	23.30	23.26		
20	PI2 BPSK	1	53	23.19	23.26	23.24	23.7	0.5
20	PI2 BPSK	1	104	23.35	23.37	23.33		
20	PI2 BPSK	50	0	22.83	22.87	22.81		
20	PI2 BPSK	50	28	23.32	23.35	23.30	23.7	0.5
20	PI2 BPSK	50	56	22.83	22.84	22.79		
20	PI2 BPSK	100	0	22.86	22.87	22.82		
20	QPSK	1	1	23.35	23.38	23.35	24.2	0.0
20	QPSK	1	53	23.24	23.27	23.22		
20	QPSK	1	104	23.34	23.35	23.29		
20	QPSK	50	0	22.33	22.35	22.32	23.2	1.0
20	QPSK	50	28	23.25	23.36	23.34		
20	QPSK	50	56	22.29	22.31	22.26		
20	QPSK	100	0	22.34	22.35	22.28	23.2	1.0
20	16QAM	1	1	21.97	22.04	22.03		
20	16QAM	1	1	20.57	20.61	20.59		
20	256QAM	1	1	19.16	19.21	19.16	19.7	4.5
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.18	23.25	23.19	24.2	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.22	23.21	23.24	24.2	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.19	23.22	23.24	24.2	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)	MFR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	23.54	23.55	23.53	24.2	0.0	
	PI2 BPSK	1	53	23.51	23.55	23.50			
	PI2 BPSK	1	104	23.53	23.54	23.48			
20	PI2 BPSK	50	0	23.10	23.13	23.12	23.7	0.5	
20	PI2 BPSK	50	28	23.50	23.54	23.48	24.2	0.0	
20	PI2 BPSK	50	56	23.11	23.12	23.09	23.7	0.5	
20	PI2 BPSK	100	0	23.10	23.14	23.12			
20	QPSK	1	1	23.49	23.59	23.59			
20	QPSK	1	53	23.46	23.51	23.48	24.2	0.0	
20	QPSK	1	104	23.45	23.53	23.50	23.2	1.0	
20	QPSK	50	0	22.53	22.58	22.51			
20	QPSK	50	28	23.49	23.54	23.48			
20	QPSK	50	56	22.52	22.57	22.50	23.2	1.0	
20	QPSK	100	0	22.58	22.60	22.54	23.2	1.0	
20	16QAM	1	1	22.22	22.27	22.24	23.2	1.0	
20	64QAM	1	1	20.81	20.86	20.85	21.7	2.5	
20	256QAM	1	1	19.41	19.43	19.41	19.7	4.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.45	23.58	23.52	24.2	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.46	23.52	23.55	24.2	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.47	23.58	23.57	24.2	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)	MFR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.92	21.95	21.90	23.2	0.0	
20	PI2 BPSK	1	53	21.90	21.93	21.88			
20	PI2 BPSK	1	104	21.91	21.93	21.89			
20	PI2 BPSK	50	0	21.48	21.51	21.45	22.7	0.5	
20	PI2 BPSK	50	25	21.98	22.02	21.93	23.2	0.0	
20	PI2 BPSK	50	56	21.49	21.53	21.45	22.7	0.5	
20	PI2 BPSK	100	0	21.55	21.58	21.53			
20	QPSK	1	1	22.05	22.08	22.03			
20	QPSK	1	53	21.85	21.89	21.83	23.2	0.0	
20	QPSK	1	104	21.90	21.93	21.88	22.2	1.0	
20	QPSK	50	0	20.98	21.01	20.95			
20	QPSK	50	28	22.02	22.04	22.01			
20	QPSK	50	56	20.97	21.00	20.93	22.2	1.0	
20	QPSK	100	0	21.01	21.03	20.98	22.2	1.0	
20	16QAM	1	1	20.68	20.72	20.65	22.2	1.0	
20	64QAM	1	1	19.30	19.33	19.28	20.7	2.5	
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0	
Channel				343000	349000	350000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000	24.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.29	23.31	23.30			
20	PI2 BPSK	1	26	23.15	23.20	23.19			
20	PI2 BPSK	1	49	23.25	23.31	23.26	23.7	0.5	
20	PI2 BPSK	25	0	22.78	22.79	22.73			
20	PI2 BPSK	25	13	23.22	23.27	23.25			
20	PI2 BPSK	25	26	23.27	23.31	23.26			
20	PI2 BPSK	50	0	22.35	22.35	22.43	23.7	0.5	
20	QPSK	1	1	23.31	23.34	23.33			
20	QPSK	1	26	23.25	23.28	23.20			
20	QPSK	1	49	23.26	23.31	23.28			
20	QPSK	25	0	22.36	22.40	22.42	24.2	0.0	
20	QPSK	25	13	23.26	23.30	23.27			
20	QPSK	25	26	23.25	23.29	23.25			
20	QPSK	50	0	22.31	22.35	22.29			
20	16QAM	1	1	21.93	21.97	21.91	23.2	1.0	
20	64QAM	1	1	20.57	20.58	20.52			
20	256QAM	1	1	19.11	19.18	19.11			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.30	23.30	23.27			
Channel				519204	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.24	23.32	23.29			

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				516000	519000	522000	24.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.36	23.39	23.33			
20	PI2 BPSK	1	26	23.35	23.42	23.39			
20	PI2 BPSK	1	49	23.35	23.42	23.40	23.7	0.5	
20	PI2 BPSK	25	0	22.93	22.94	22.90			
20	PI2 BPSK	25	13	23.38	23.41	23.34			
20	PI2 BPSK	25	26	22.88	22.92	22.91			
20	PI2 BPSK	50	0	22.88	22.90	22.83	23.7	0.5	
20	QPSK	1	1	23.43	23.45	23.37			
20	QPSK	1	26	23.35	23.40	23.34			
20	QPSK	1	49	23.33	23.38	23.34			
20	QPSK	25	0	22.39	22.45	22.39	24.2	0.0	
20	QPSK	25	13	23.40	23.43	23.36			
20	QPSK	25	26	22.38	22.43	22.39			
20	QPSK	50	0	22.36	22.43	22.37			
20	16QAM	1	1	22.13	22.18	22.14	23.2	1.0	
20	64QAM	1	1	20.65	20.72	20.65			
20	256QAM	1	1	19.26	19.31	19.27			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.39	23.41	23.31			
Channel				519204	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.39	23.39	23.36			

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				516000	519000	522000	23.2	0.0				
Frequency (MHz)				2580	2595	2610						
20	PI2 BPSK	1	1	21.51	21.54	21.49				22.7	0.5	
20	PI2 BPSK	1	26	21.46	21.50	21.54						
20	PI2 BPSK	1	49	21.53	21.50	21.52						
20	PI2 BPSK	25	0	21.00	21.02	20.95						
20	PI2 BPSK	25	13	21.46	21.50	21.49	22.7	0.0				
20	PI2 BPSK	25	26	21.02	21.03	20.98						
20	PI2 BPSK	50	0	20.98	20.99	21.00						
20	QPSK	1	1	21.62	21.65	21.60						
20	QPSK	1	26	21.58	21.61	21.55	23.2	0.0				
20	QPSK	1	49	21.53	21.57	21.50						
20	QPSK	25	0	20.62	20.67	20.60						
20	QPSK	25	13	21.60	21.63	21.55						
20	QPSK	25	26	20.60	20.64	20.57	23.2	0.0				
20	QPSK	50	0	20.65	20.67	20.62						
20	16QAM	1	1	20.35	20.39	20.33						
20	64QAM	1	1	18.95	18.98	18.92						
20	256QAM	1	1	17.52	17.54	17.50	18.7	4.5				
Channel				515502	519000	522498						
Frequency (MHz)				2577.51	2595	2612.49						
15	QPSK	1	1	21.57	21.57	21.47				23.2	0.0	
Channel				519204	519000	522096	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575.02	2595	2614.98						
10	QPSK	1	1	21.46	21.56	21.45				23.2	0.0	



FCC_n41_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				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	23.35	23.04	23.00	24.2	0.0	
100	Pi2 BPSK	1	137	23.21	23.39	23.34			
100	Pi2 BPSK	1	271	23.39	23.38	23.36			
100	Pi2 BPSK	135	0	22.78	22.80	22.73	23.7	0.5	
100	Pi2 BPSK	135	69	23.33	23.35	23.29	24.2	0.0	
100	Pi2 BPSK	135	138	22.73	22.84	22.79	23.7	0.5	
100	Pi2 BPSK	270	0	22.68	22.74	22.67	24.2	0.0	
100	QPSK	1	1	23.20	23.11	23.29	24.2	0.0	
100	QPSK	1	137	23.26	23.46	23.40			
100	QPSK	1	271	23.17	23.38	23.36			
100	QPSK	135	0	22.29	22.22	22.26	24.2	0.0	
100	QPSK	135	69	23.25	23.32	23.29			
100	QPSK	135	138	22.23	22.30	22.27			
100	QPSK	270	0	22.13	22.19	22.14	23.2	1.0	
100	16QAM	1	1	22.07	21.90	21.84	23.2	1.0	
100	64QAM	1	1	20.85	20.45	20.39	21.7	2.5	
100	256QAM	1	1	19.04	18.93	18.88	19.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.2	0.0	
90	QPSK	1	1	23.12	23.39	23.37			
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99	24.2	0.0	
80	QPSK	1	1	23.12	23.43	23.33			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2692.99	2699.98	24.2	0.0	
60	QPSK	1	1	23.11	23.40	23.35			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.02	2692.99	2694.99	24.2	0.0	
50	QPSK	1	1	23.11	23.42	23.33			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670	24.2	0.0	
40	QPSK	1	1	23.14	23.41	23.33			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2692.99	2679.99	24.2	0.0	
20	QPSK	1	1	23.11	23.40	23.35			
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2593.5	2692.99	2662.48	24.2	0.0	
15	QPSK	1	1	23.11	23.40	23.33			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.2	0.0	
10	QPSK	1	1	23.12	23.45	23.35			

FCC_n41_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	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	23.27	23.32	23.27	24.2	1	0.0
100	Pi2 BPSK	1	137	23.45	23.51	23.45			
100	Pi2 BPSK	1	271	23.39	23.44	23.39			
100	Pi2 BPSK	135	0	22.86	22.87	22.86	23.7	0.5	
100	Pi2 BPSK	135	69	23.38	23.43	23.42	24.2	0.0	
100	Pi2 BPSK	135	138	22.83	22.90	22.88	23.7	0.5	
100	Pi2 BPSK	270	0	22.84	22.86	22.80			
100	QPSK	1	1	23.31	23.35	23.33	24.2	0.0	
100	QPSK	1	137	23.47	23.53	23.45			
100	QPSK	1	271	23.40	23.42	23.37			
100	QPSK	135	0	22.27	22.30	22.26	24.2	0.0	
100	QPSK	135	69	23.36	23.40	23.39			
100	QPSK	135	138	22.31	22.33	22.27			
100	QPSK	270	0	22.31	22.35	22.26	23.2	1.0	
100	16QAM	1	1	22.07	22.12	22.07	23.2	1.0	
100	64QAM	1	1	20.69	20.74	20.67	21.7	2.5	
100	256QAM	1	1	19.14	19.30	19.16	19.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.2	0.0	
90	QPSK	1	1	23.44	23.50	23.39			
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2644.99	24.2	0.0	
80	QPSK	1	1	23.44	23.49	23.38			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98	24.2	0.0	
60	QPSK	1	1	23.42	23.46	23.43			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.2	0.0	
50	QPSK	1	1	23.44	23.50	23.40			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670	24.2	0.0	
40	QPSK	1	1	23.45	23.47	23.40			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.2	0.0	
20	QPSK	1	1	23.45	23.49	23.39			
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2503.5	2592.99	2662.48	24.2	0.0	
15	QPSK	1	1	23.40	23.45	23.39			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2501.01	2592.99	2685	24.2	0.0	
10	QPSK	1	1	23.44	23.51	23.38			

FCC_n41_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				509202	518598	528000	23.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	21.43	21.45	21.41	23.2	0.0	
100	Pi2 BPSK	1	137	21.58	21.61	21.55			
100	Pi2 BPSK	1	271	21.43	21.46	21.41			
100	Pi2 BPSK	135	0	21.05	21.08	21.02	22.7	0.5	
100	Pi2 BPSK	135	69	21.56	21.59	21.53	23.2	0.0	
100	Pi2 BPSK	135	138	20.95	20.97	20.92	22.7	0.5	
100	Pi2 BPSK	270	0	20.93	20.95	20.90	24.2	0.0	
100	QPSK	1	1	21.45	21.48	21.47	23.2	0.0	
100	QPSK	1	137	21.61	21.65	21.54			
100	QPSK	1	271	21.43	21.46	21.52			
100	QPSK	135	0	20.62	20.65	20.62	23.2	0.0	
100	QPSK	135	69	21.61	21.64	21.62			
100	QPSK	135	138	20.52	20.55	20.53			
100	QPSK	270	0	20.52	20.56	20.50	22.2	1.0	
100	16QAM	1	1	20.33	20.35	20.30	22.2	1.0	
100	64QAM	1	1	18.92	18.95	18.89	20.7	2.5	
100	256QAM	1	1	17.40	17.43	17.37	18.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.2	0.0	
90	QPSK	1	1	21.48	21.55	21.45			
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2646.99	23.2	0.0	
80	QPSK	1	1	21.56	21.59	21.44			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2656.98	23.2	0.0	
60	QPSK	1	1	21.47	21.55	21.44			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	23.2	0.0	
50	QPSK	1	1	21.45	21.58	21.45			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.2	0.0	
40	QPSK	1	1	21.53	21.57	21.47			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	23.2	0.0	
20	QPSK	1	1	21.54	21.54	21.38			
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	23.2	0.0	
15	QPSK	1	1	21.55	21.54	21.39			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	23.2	0.0	
10	QPSK	1	1	21.54	21.49	21.40			



Reduced Power for DSI 1

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	24.2	0.0
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	22.91	22.94	22.99		
20	Pi2 BPSK	1	53	22.84	22.90	22.85		
20	Pi2 BPSK	1	104	22.81	22.83	22.80	23.7	0.5
20	Pi2 BPSK	50	0	22.45	22.50	22.43		
20	Pi2 BPSK	50	28	22.89	22.93	22.86		
20	Pi2 BPSK	50	56	22.40	22.45	22.42		
20	Pi2 BPSK	100	0	22.37	22.42	22.41	24.2	0.0
20	QPSK	1	1	22.91	22.96	22.93		
20	QPSK	1	53	22.90	22.94	22.90		
20	QPSK	1	104	22.86	22.89	22.86		
20	QPSK	50	0	21.88	21.91	21.90	23.2	1.0
20	QPSK	50	28	22.98	22.91	22.95		
20	QPSK	50	56	21.89	21.92	21.90		
20	QPSK	100	0	21.85	21.88	21.83		
20	16QAM	1	1	21.69	21.71	21.70	23.2	1.0
20	16QAM	1	1	20.20	20.23	20.20		
20	256QAM	1	1	18.88	18.90	18.88		
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0
15	QPSK	1	1	22.89	22.95	22.89		
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.77	22.84	22.78	24.2	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.80	22.81	22.76		

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	24.2	0.0
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	22.64	22.69	22.65		
20	Pi2 BPSK	1	53	22.67	22.68	22.67		
20	Pi2 BPSK	1	104	22.66	22.70	22.67	23.7	0.5
20	Pi2 BPSK	50	0	22.21	22.22	22.19		
20	Pi2 BPSK	50	28	22.69	22.71	22.65		
20	Pi2 BPSK	50	56	22.15	22.21	22.18		
20	Pi2 BPSK	100	0	22.14	22.19	22.13	24.2	0.0
20	QPSK	1	1	22.65	22.74	22.73		
20	QPSK	1	53	22.65	22.71	22.67		
20	QPSK	1	104	22.61	22.66	22.65		
20	QPSK	50	0	21.64	21.66	21.65	23.2	1.0
20	QPSK	50	28	22.60	22.65	22.58		
20	QPSK	50	56	21.62	21.67	21.61		
20	QPSK	100	0	21.56	21.63	21.57		
20	16QAM	1	1	21.40	21.46	21.42	23.2	1.0
20	16QAM	1	1	19.91	19.95	19.94		
20	256QAM	1	1	18.67	18.68	18.66		
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0
15	QPSK	1	1	22.63	22.67	22.72		
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.67	22.70	22.68	24.2	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.62	22.73	22.68		

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				502000	507000	512000	22.95	0.00
Frequency (MHz)				2510	2535	2560		
20	Pi2 BPSK	1	1	22.25	22.29	22.13		
20	Pi2 BPSK	1	53	22.24	22.28	22.23		
20	Pi2 BPSK	1	104	22.19	22.17	22.23	22.95	0.00
20	Pi2 BPSK	50	0	22.17	22.18	22.13		
20	Pi2 BPSK	50	28	22.14	22.21	22.20		
20	Pi2 BPSK	50	56	22.19	22.25	22.15		
20	Pi2 BPSK	100	0	22.23	22.21	22.20	22.95	0.00
20	QPSK	1	1	22.30	22.33	22.26		
20	QPSK	1	53	22.18	22.23	22.21		
20	QPSK	1	104	22.20	22.22	22.22		
20	QPSK	50	0	21.84	21.82	21.80	22.70	0.25
20	QPSK	50	28	22.20	22.23	22.18		
20	QPSK	50	56	22.09	22.12	22.05		
20	QPSK	100	0	22.09	22.13	22.12		
20	16QAM	1	1	21.80	21.85	21.78	22.70	0.25
20	16QAM	1	1	20.46	20.48	20.44		
20	256QAM	1	1	18.96	18.93	18.99		
Channel				501500	507000	512000		
Frequency (MHz)				2507.5	2535	2562.5	22.95	0.00
15	QPSK	1	1	22.18	22.17	22.17		
Channel				501000	507000	512000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.14	22.17	22.16	22.95	0.00
Channel				500500	507000	511500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.17	22.22	22.15		

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	P12 BPSK	1	1	19.59	19.57	19.47		
20	P12 BPSK	1	53	19.54	19.54	19.51	20.45	0.00
20	P12 BPSK	1	104	19.57	19.65	19.52		
20	P12 BPSK	50	0	19.52	19.54	19.45	20.45	0.00
20	P12 BPSK	50	28	19.59	19.64	19.42	20.45	0.00
20	P12 BPSK	50	56	19.51	19.56	19.52		
20	P12 BPSK	100	0	19.60	19.55	19.50	20.45	0.00
20	QPSK	1	1	19.57	19.70	19.58		
20	QPSK	1	53	19.57	19.61	19.44	20.45	0.00
20	QPSK	1	104	19.53	19.63	19.45		
20	QPSK	50	0	19.56	19.56	19.50	20.45	0.00
20	QPSK	50	28	19.52	19.66	19.55	20.45	0.00
20	QPSK	50	56	19.47	19.53	19.46		
20	QPSK	100	0	19.51	19.58	19.48	20.45	0.00
20	16QAM	1	1	19.56	19.56	19.51	20.45	0.00
20	16QAM	1	1	19.61	19.65	19.44	20.45	0.00
20	256QAM	1	1	19.47	19.53	19.41	20.45	0.00
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.55	19.60	19.44	20.45	0.00
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.53	19.59	19.45	20.45	0.00
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.57	19.62	19.42	20.45	0.00

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	P12 BPSK	1	1	20.16	20.17	20.18		
20	P12 BPSK	1	53	20.14	20.25	20.10	21.95	0.00
20	P12 BPSK	1	104	20.15	20.23	20.18		
20	P12 BPSK	50	0	20.19	20.18	20.14	21.95	0.00
20	P12 BPSK	50	28	20.22	20.19	20.09	21.95	0.00
20	P12 BPSK	50	56	20.17	20.16	20.10		
20	P12 BPSK	100	0	20.20	20.21	20.19	21.95	0.00
20	QPSK	1	1	20.26	20.30	20.25		
20	QPSK	1	53	20.21	20.23	20.19	21.95	0.00
20	QPSK	1	104	20.15	20.25	20.19		
20	QPSK	50	0	20.17	20.21	20.10	21.95	0.00
20	QPSK	50	28	20.25	20.27	20.23	21.95	0.00
20	QPSK	50	56	20.12	20.11	20.13		
20	QPSK	100	0	20.22	20.25	20.20	21.95	0.00
20	16QAM	1	1	20.12	20.18	20.18	21.95	0.00
20	16QAM	1	1	19.02	19.05	19.00	20.70	1.25
20	256QAM	1	1	17.88	17.60	17.56	18.70	3.25
Channel				501600	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.15	20.22	20.18	21.95	0.00
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.16	20.24	20.14	21.95	0.00
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.19	20.25	20.11	21.95	0.00

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				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	P12 BPSK	1	1	21.72	21.78	21.71		
20	P12 BPSK	1	53	21.80	21.77	21.77	22.7	0.0
20	P12 BPSK	1	104	21.78	21.85	21.76		
20	P12 BPSK	50	0	21.83	21.74	21.73	22.7	0.0
20	P12 BPSK	50	28	21.76	21.82	21.71	22.7	0.0
20	P12 BPSK	50	56	21.78	21.75	21.80		
20	P12 BPSK	100	0	21.77	21.81	21.78	22.7	0.0
20	QPSK	1	1	21.86	21.90	21.85		
20	QPSK	1	53	21.79	21.76	21.77	22.7	0.0
20	QPSK	1	104	21.78	21.80	21.71		
20	QPSK	50	0	21.75	21.74	21.68	22.7	0.0
20	QPSK	50	28	21.85	21.87	21.83	22.7	0.0
20	QPSK	50	56	21.78	21.72	21.75		
20	QPSK	100	0	21.71	21.80	21.73	22.7	0.0
20	16QAM	1	1	21.76	21.77	21.80	22.7	0.0
20	16QAM	1	1	20.97	20.61	20.59	21.7	1.0
20	256QAM	1	1	18.16	18.21	18.16	19.7	3.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.75	21.83	21.69	22.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.73	21.80	21.72	22.7	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.82	21.85	21.69	22.7	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	P12 BPSK	1	1	20.88	21.00	20.97	21.7	0.0	
20	P12 BPSK	1	53	20.93	20.98	20.93			
20	P12 BPSK	1	104	20.97	20.95	20.98			
20	P12 BPSK	50	0	20.89	20.95	20.89	21.7	0.0	
20	P12 BPSK	50	28	20.89	20.99	20.97	21.7	0.0	
20	P12 BPSK	50	56	20.87	20.97	20.95	21.7	0.0	
20	P12 BPSK	100	0	20.92	21.00	20.95			
20	QPSK	1	1	21.03	21.08	21.05			
20	QPSK	1	53	20.98	20.97	20.97	21.7	0.0	
20	QPSK	1	104	20.87	21.00	20.89	21.7	0.0	
20	QPSK	50	0	20.93	20.93	20.88			
20	QPSK	50	28	21.05	21.05	21.02			
20	QPSK	50	55	20.95	20.94	20.91	21.7	0.0	
20	QPSK	100	0	20.93	20.95	20.88			
20	16QAM	1	1	20.98	20.95	20.94	21.7	0.0	
20	64QAM	1	1	20.81	20.86	20.85	21.7	0.0	
20	256QAM	1	1	19.41	19.43	19.41	19.7	2.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.93	20.97	20.92	21.7	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.91	20.97	20.89	21.7	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.98	21.00	21.00	21.7	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				344000	349000	354000					
Frequency (MHz)				1720	1745	1770					
20	P12 BPSK	1	1	21.92	21.95	21.90	23.2	0.0			
20	P12 BPSK	1	53	21.90	21.93	21.88					
20	P12 BPSK	1	104	21.91	21.93	21.89					
20	P12 BPSK	50	0	21.48	21.51	21.45	22.7	0.5			
20	P12 BPSK	50	28	21.98	22.02	21.93	23.2	0.0			
20	P12 BPSK	50	56	21.48	21.53	21.45	22.7	0.5			
20	P12 BPSK	100	0	21.55	21.58	21.53					
20	QPSK	1	1	22.05	22.08	22.03					
20	QPSK	1	53	21.85	21.89	21.83	23.2	0.0			
20	QPSK	1	104	21.90	21.93	21.88	23.2	1.0			
20	QPSK	50	0	20.98	21.01	20.95					
20	QPSK	50	28	22.05	22.04	22.01					
20	QPSK	50	56	20.97	21.00	20.93	23.2	1.0			
20	QPSK	100	0	21.01	21.03	20.98	22.2	1.0			
20	16QAM	1	1	20.88	20.72	20.65	22.2	1.0			
20	64QAM	1	1	19.30	19.33	19.28	20.7	2.5			
20	256QAM	1	1	17.82	17.84	17.76	18.7	4.5			
Channel				343500	349000	354500					
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0			
Channel				343000	349000	355000					
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0			
Channel				342500	349000	355500					
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000	23.7	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	22.69	22.78	22.71			
20	PI2 BPSK	1	26	22.71	22.74	22.76			
20	PI2 BPSK	1	49	22.62	22.76	22.76	23.7	0.0	
20	PI2 BPSK	25	0	22.63	22.80	22.71			
20	PI2 BPSK	25	13	22.67	22.80	22.69			
20	PI2 BPSK	25	26	22.73	22.73	22.67			
20	PI2 BPSK	50	0	22.62	22.76	22.74	23.7	0.0	
20	QPSK	1	1	22.78	22.85	22.83			
20	QPSK	1	26	22.67	22.78	22.71			
20	QPSK	1	49	22.68	22.75	22.70			
20	QPSK	25	0	22.70	22.73	22.72	23.7	0.0	
20	QPSK	25	13	22.76	22.82	22.80			
20	QPSK	25	26	22.64	22.77	22.68			
20	QPSK	50	0	22.31	22.35	22.29			
20	16QAM	1	1	21.93	21.97	21.91	23.2	0.5	
20	64QAM	1	1	20.57	20.58	20.52	21.7	2.0	
20	256QAM	1	1	19.11	19.18	19.11	19.7	4.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dB)		
15	QPSK	1	1	22.62	22.70	22.71	23.7	0.0	
Channel				519204	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)		
10	QPSK	1	1	22.62	22.80	22.78	23.7	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				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	20.35	20.38	20.37	21.2	0.0	
20	PI2 BPSK	1	26	20.32	20.39	20.30			
20	PI2 BPSK	1	49	20.35	20.40	20.33			
20	PI2 BPSK	25	0	20.32	20.42	20.29			
20	PI2 BPSK	25	13	20.27	20.43	20.32	21.2	0.0	
20	PI2 BPSK	25	26	20.32	20.42	20.26	21.2	0.0	
20	PI2 BPSK	50	0	20.29	20.39	20.27			
20	QPSK	1	1	20.43	20.48	20.40			
20	QPSK	1	26	20.37	20.41	20.29			
20	QPSK	1	49	20.32	20.34	20.35	21.2	0.0	
20	QPSK	25	0	20.28	20.32	20.24			
20	QPSK	25	13	20.41	20.44	20.38			
20	QPSK	25	26	20.26	20.33	20.24			
20	QPSK	50	0	20.26	20.35	20.26	21.2	0.0	
20	16QAM	1	1	20.32	20.35	20.27	21.2	0.0	
20	64QAM	1	1	20.31	20.33	20.34	21.2	0.0	
20	256QAM	1	1	19.26	19.31	19.27	19.7	1.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	20.34	20.39	20.34	21.2	0.0	
Channel				519204	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)		
10	QPSK	1	1	20.32	20.37	20.30	21.2	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				516000	519000	522000	20.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	18.57	18.57	18.50			
20	PI2 BPSK	1	26	18.56	18.61	18.46			
20	PI2 BPSK	1	49	18.53	18.63	18.52	20.2	0.0	
20	PI2 BPSK	25	0	18.51	18.54	18.57			
20	PI2 BPSK	25	13	18.49	18.62	18.49			
20	PI2 BPSK	25	26	18.53	18.53	18.54			
20	PI2 BPSK	50	0	18.57	18.57	18.53	20.2	0.0	
20	QPSK	1	1	18.65	18.68	18.62			
20	QPSK	1	26	18.52	18.59	18.49			
20	QPSK	1	49	18.51	18.60	18.53			
20	QPSK	25	0	18.56	18.54	18.48	20.2	0.0	
20	QPSK	25	13	18.63	18.65	18.60			
20	QPSK	25	26	18.56	18.59	18.48			
20	QPSK	50	0	18.60	18.62	18.56			
20	16QAM	1	1	18.49	18.58	18.54	20.2	0.0	
20	64QAM	1	1	18.49	18.61	18.50	20.2	0.0	
20	256QAM	1	1	17.52	17.54	17.50	18.7	1.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	18.52	18.57	18.57	20.2	0.0	
Channel				519204	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)		
10	QPSK	1	1	18.53	18.62	18.49	20.2	0.0	



FCC_n41_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				506002	518598	526000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	20.78	20.92	20.77		21.95	0.00	
100	P12 BPSK	1	137	20.73	20.94	20.79				
100	P12 BPSK	1	271	20.72	20.93	20.77				
100	P12 BPSK	135	0	20.73	20.86	20.86	21.95	0.00	0.00	
100	P12 BPSK	135	69	20.70	20.87	20.82	21.95			
100	P12 BPSK	135	138	20.71	20.96	20.81	21.95			
100	P12 BPSK	270	0	20.80	20.89	20.84		21.95	0.00	
100	QPSK	1	1	20.78	20.89	20.83				
100	QPSK	1	137	20.65	21.01	20.53				
100	QPSK	1	271	20.80	20.86	20.86		21.95	0.00	
100	QPSK	135	0	20.67	20.82	20.71				
100	QPSK	135	69	20.76	20.69	20.83				
100	QPSK	135	138	20.66	20.84	20.77		21.95	0.00	
100	QPSK	270	0	20.68	20.82	20.78	21.95			
100	16QAM	1	1	20.72	20.93	20.77	21.95			
100	64QAM	1	1	20.55	20.45	20.39	21.70	2.25	0.25	
100	256QAM	1	1	19.04	18.93	18.88	19.70			
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	20.72	20.90	20.83	21.95	0.00	0.00	
Channel				507204	518598	526998	Tune-up limit (dBm)			
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	20.78	20.95	20.80	21.95	0.00	0.00	
Channel				505200	518598	531996	Tune-up limit (dBm)			
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	20.77	20.90	20.81	21.95	0.00	0.00	
Channel				504204	518598	532998	Tune-up limit (dBm)			
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	20.76	20.89	20.85	21.95	0.00	0.00	
Channel				503202	518598	534000	Tune-up limit (dBm)			
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	20.78	20.89	20.83	21.95	0.00	0.00	
Channel				501204	518598	535998	Tune-up limit (dBm)			
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	20.71	20.86	20.85	21.95	0.00	0.00	
Channel				500700	518598	536496	Tune-up limit (dBm)			
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	20.76	20.89	20.80	21.95	0.00	0.00	
Channel				500202	518598	537000	Tune-up limit (dBm)			
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	20.74	20.85	20.88	21.95	0.00	0.00	
Channel										
Frequency (MHz)										

FCC_n41_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	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	18.94	18.96	18.88	19.95		0.00
100	P12 BPSK	1	137	18.91	18.93	18.91			
100	P12 BPSK	1	271	18.90	18.91	18.94			
100	P12 BPSK	135	0	18.97	18.96	18.88	19.95		0.00
100	P12 BPSK	135	69	18.91	18.96	18.88	19.95		0.00
100	P12 BPSK	135	138	18.98	18.89	18.91	19.95		0.00
100	P12 BPSK	270	0	18.89	18.91	18.90			
100	QPSK	1	1	18.88	18.90	18.92			
100	QPSK	1	137	19.03	19.05	19.00	19.95		0.00
100	QPSK	1	271	18.98	18.98	18.87			
100	QPSK	135	0	18.84	18.94	18.86			
100	QPSK	135	69	18.95	19.00	18.92	19.95		0.00
100	QPSK	135	138	18.84	18.91	18.80			
100	QPSK	270	0	18.88	18.89	18.80			
100	16QAM	1	1	18.95	18.91	18.95	19.95		0.00
100	64QAM	1	1	18.92	18.94	18.88	19.95		0.00
100	256QAM	1	1	18.65	18.86	18.68	19.70		0.25
Channel				506200	518598	526996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	18.87	18.99	18.95	19.95		0.00
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.91	18.99	18.87	19.95		0.00
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.91	18.97	18.88	19.95		0.00
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.92	18.90	18.86	19.95		0.00
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.93	18.94	18.93	19.95		0.00
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.92	18.93	18.91	19.95		0.00
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.92	18.96	18.85	19.95		0.00
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.98	18.96	18.93	19.95		0.00

FCC_n41_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				506202	518598	526000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	17.56	17.60	17.45		19.45	0.00	
100	P12 BPSK	1	137	17.57	17.63	17.53				
100	P12 BPSK	1	271	17.54	17.56	17.45				
100	P12 BPSK	135	0	17.58	17.60	17.47	19.45	0.00	0.00	
100	P12 BPSK	135	69	17.55	17.55	17.47	19.45			
100	P12 BPSK	135	138	17.53	17.61	17.45	19.45			
100	P12 BPSK	270	0	17.56	17.53	17.45		19.45	0.00	
100	QPSK	1	1	17.53	17.56	17.48				
100	QPSK	1	137	17.65	17.68	17.60				
100	QPSK	1	271	17.50	17.59	17.48		19.45	0.00	
100	QPSK	135	0	17.49	17.50	17.50				
100	QPSK	135	69	17.62	17.65	17.57				
100	QPSK	135	138	17.52	17.55	17.45		19.45	0.00	
100	QPSK	270	0	17.60	17.62	17.56	19.45			
100	16QAM	1	1	17.59	17.56	17.54	19.45			
100	64QAM	1	1	17.56	17.60	17.48	19.45	0.00	0.75	
100	256QAM	1	1	17.40	17.43	17.37	18.70			
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	17.51	17.53	17.46	19.45	0.00	0.00	
Channel				507204	518598	526998	Tune-up limit (dBm)			
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	17.53	17.57	17.51	19.45	0.00	0.00	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536	2592.99	2639.98				
60	QPSK	1	1	17.53	17.58	17.54	19.45	0.00	0.00	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2644.99				
50	QPSK	1	1	17.49	17.52	17.46	19.45	0.00	0.00	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	17.58	17.58	17.46	19.45	0.00	0.00	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.09	2592.99	2679.99				
20	QPSK	1	1	17.54	17.60	17.50	19.45	0.00	0.00	
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	17.62	17.60	17.54	19.45	0.00	0.00	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	17.52	17.62	17.46	19.45	0.00	0.00	

Reduced Power for DSI 2

n5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166800	167300	167800				
Frequency (MHz)				834	836.5	839				
20	PI2 BPSK	1	1	22.91	22.94	22.89		24.2	0.0	
20	PI2 BPSK	1	53	22.94	22.90	22.95				
20	PI2 BPSK	1	104	22.81	22.83	22.80				
20	PI2 BPSK	50	0	22.45	22.50	22.43	23.7	0.5		
20	PI2 BPSK	50	28	22.89	22.93	22.86	24.2	0.0		
20	PI2 BPSK	50	56	22.40	22.45	22.42		23.7	0.5	
20	PI2 BPSK	100	0	22.37	22.42	22.41				
20	QPSK	1	1	22.91	22.96	22.93				
20	QPSK	1	53	22.90	22.94	22.90		24.2	0.0	
20	QPSK	1	104	22.86	22.90	22.86				
20	QPSK	50	0	21.88	21.91	21.90	23.2	1.0		
20	QPSK	50	28	21.88	21.91	21.90	24.2	0.0		
20	QPSK	50	56	21.89	21.92	21.90		23.2	1.0	
20	QPSK	100	0	21.85	21.88	21.83				
20	16QAM	1	1	21.69	21.71	21.70	23.2	1.0		
20	64QAM	1	1	20.20	20.23	20.20	21.7	2.5		
20	256QAM	1	1	18.88	18.89	18.88	19.7	4.5		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0		
15	QPSK	1	1	22.89	22.95	22.89	24.2	0.0		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826	836.5	844	24.2	0.0		
10	QPSK	1	1	22.77	22.84	22.78	24.2	0.0		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0		
5	QPSK	1	1	22.80	22.81	22.76	24.2	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	20.17	20.17	20.20	21.95	0.0			
20	PI2 BPSK	1	53	20.11	20.15	20.17					
20	PI2 BPSK	1	104	20.14	20.18	20.19					
20	PI2 BPSK	50	0	20.10	20.12	20.16	21.95			0.0	
20	PI2 BPSK	50	28	20.14	20.18	20.14	21.95			0.0	
20	PI2 BPSK	50	56	20.16	20.22	20.19	21.95	0.0			
20	PI2 BPSK	100	0	20.10	20.12	20.16					
20	QPSK	1	1	20.23	20.28	20.25					
20	QPSK	1	53	20.14	20.19	20.13	21.95	0.00			
20	QPSK	1	104	20.10	20.15	20.09					
20	QPSK	50	0	20.01	20.10	20.07	21.95			0.00	
20	QPSK	50	28	20.15	20.22	20.16	21.95			0.00	
20	QPSK	50	56	20.06	20.07	20.06	21.95	0.00			
20	QPSK	100	0	20.05	20.12	20.09					
20	16QAM	1	1	20.15	20.19	20.19	21.95			0.00	
20	64QAM	1	1	19.91	19.96	19.94	21.70			0.25	
20	256QAM	1	1	18.67	18.68	18.66	19.70			2.25	
Channel				166300	167300	168300	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				831.5	836.5	841.5	21.95			0.00	
15	QPSK	1	1	20.17	20.17	20.11	21.95			0.00	
Channel				165800	167300	168800	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				829	836.5	844	21.95			0.00	
10	QPSK	1	1	20.16	20.15	20.17	21.95			0.00	
Channel				165300	167300	169300	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				826.5	836.5	846.5	21.95			0.00	
5	QPSK	1	1	20.15	20.21	20.13	21.95			0.00	

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	512000				
Frequency (MHz)				2510	2535	2560				
20	PI2 BPSK	1	1	23.10	23.13	23.09	23.7	0.0		
20	PI2 BPSK	1	53	23.07	23.11	23.10				
20	PI2 BPSK	1	104	23.04	23.07	23.01				
20	PI2 BPSK	50	0	22.83	22.70	22.69	23.2		0.5	
20	PI2 BPSK	50	28	23.05	23.11	23.08	23.7		0.0	
20	PI2 BPSK	50	56	22.64	22.67	22.61	23.2	0.5		
20	PI2 BPSK	100	0	22.68	22.67	22.62				
20	QPSK	1	1	23.10	23.25	23.13				
20	QPSK	1	53	23.06	23.13	23.12	23.7	0.0		
20	QPSK	1	104	22.99	23.05	23.04				
20	QPSK	50	0	22.15	22.18	22.14	22.7		1.0	
20	QPSK	50	28	23.10	23.14	23.07	23.7		0.5	
20	QPSK	50	56	22.09	22.12	22.05	22.7	1.0		
20	QPSK	100	0	22.09	22.13	22.12				
20	16QAM	1	1	21.80	21.85	21.78	22.7		1.0	
20	64QAM	1	1	20.46	20.48	20.44	21.2		2.5	
20	256QAM	1	1	18.36	19.03	18.99	19.2		4.5	
Channel				501000	507000	512000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.7		0.0	
15	QPSK	1	1	23.07	23.11	23.01	23.7		0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.7		0.0	
10	QPSK	1	1	23.04	23.08	22.98	23.7		0.0	
Channel				505000	507000	515000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.7		0.0	
5	QPSK	1	1	23.03	23.14	22.96	23.7		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				50200	50700	51200	15.7	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	15.10	15.13	14.94		
20	PI2 BPSK	1	53	15.01	15.13	14.99		
20	PI2 BPSK	1	104	15.01	15.04	14.96	15.7	0.0
20	PI2 BPSK	50	0	15.03	15.04	14.97		
20	PI2 BPSK	50	28	15.04	15.08	14.99		
20	PI2 BPSK	50	56	15.02	15.05	14.95		
20	PI2 BPSK	100	0	15.02	15.05	14.92	15.7	0.0
20	QPSK	1	1	15.15	15.16	15.05		
20	QPSK	1	53	15.08	15.06	15.00		
20	QPSK	1	104	14.99	15.11	15.00		
20	QPSK	50	0	14.95	15.06	14.95	15.7	0.0
20	QPSK	50	28	15.05	15.11	15.04		
20	QPSK	50	56	15.01	15.02	14.88		
20	QPSK	100	0	14.97	15.04	14.86		
20	16QAM	1	1	15.06	15.04	14.96	15.7	0.0
20	64QAM	1	1	15.01	15.11	14.95		
20	256QAM	1	1	15.08	15.09	14.93		
Channel				50180	50700	51200	15.7	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.02	15.05	14.91		
Channel				50100	50700	51300	15.7	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.06	15.12	14.91		
Channel				50050	50700	51300	15.7	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.10	15.09	15.00		

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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				50200	50700	51200	23.2	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	21.68	21.68	21.63		
20	PI2 BPSK	1	53	21.68	21.65	21.63		
20	PI2 BPSK	1	104	21.59	21.64	21.64	22.7	0.5
20	PI2 BPSK	50	0	21.15	21.16	21.07		
20	PI2 BPSK	50	28	21.59	21.67	21.61		
20	PI2 BPSK	50	56	21.12	21.14	21.16		
20	PI2 BPSK	100	0	21.10	21.15	21.08	22.7	0.5
20	QPSK	1	1	21.75	21.78	21.72		
20	QPSK	1	53	21.73	21.75	21.70		
20	QPSK	1	104	21.58	21.62	21.55		
20	QPSK	50	0	20.72	20.75	20.70	22.2	1.0
20	QPSK	50	28	21.75	21.75	21.66		
20	QPSK	50	56	20.65	20.69	20.62		
20	QPSK	100	0	20.67	20.70	20.65		
20	16QAM	1	1	20.43	20.47	20.41	22.2	1.0
20	64QAM	1	1	19.02	19.05	19.00		
20	256QAM	1	1	17.56	17.60	17.56		
Channel				50180	50700	51200	23.2	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.69	21.66	21.65		
Channel				50100	50700	51300	23.2	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.64	21.72	21.56		
Channel				50050	50700	51300	23.2	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.68	21.70	21.58		

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				34400	34900	35400	24.2	0.0
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	23.23	23.30	23.26		
20	PI2 BPSK	1	53	23.19	23.26	23.24		
20	PI2 BPSK	1	104	23.35	23.37	23.33	23.7	0.5
20	PI2 BPSK	50	0	22.83	22.87	22.81		
20	PI2 BPSK	50	28	23.32	23.35	23.30		
20	PI2 BPSK	50	56	22.83	22.84	22.79		
20	PI2 BPSK	100	0	22.86	22.87	22.82	23.7	0.5
20	QPSK	1	1	23.35	23.38	23.35		
20	QPSK	1	53	23.24	23.27	23.22		
20	QPSK	1	104	23.34	23.35	23.29		
20	QPSK	50	0	22.33	22.35	22.32	23.2	1.0
20	QPSK	50	28	23.35	23.35	23.34		
20	QPSK	50	56	22.29	22.31	22.26		
20	QPSK	100	0	22.34	22.35	22.28		
20	16QAM	1	1	21.97	22.04	22.03	23.2	1.0
20	64QAM	1	1	20.57	20.61	20.59		
20	256QAM	1	1	19.16	19.21	19.16		
Channel				34380	34900	35400	24.2	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.18	23.25	23.19		
Channel				34300	34900	35000	24.2	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.22	23.21	23.24		
Channel				34260	34900	35000	24.2	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.19	23.22	23.24		

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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				344000	349000	354000				
Frequency (MHz)				1745	1745	1770				
20	PI2 BPSK	1	1	1741	1750	1753		18.2	0.0	
20	PI2 BPSK	1	53	1746	1753	1746				
20	PI2 BPSK	1	104	1744	1753	1746				
20	PI2 BPSK	50	0	1750	1746	1750	18.2	0.0		
20	PI2 BPSK	50	28	1749	1752	1747	18.2	0.0		
20	PI2 BPSK	50	56	1749	1749	1754		18.2	0.0	
20	PI2 BPSK	100	0	1748	1754	1746				
20	QPSK	1	1	1755	1762	1759				
20	QPSK	1	53	1743	1748	1748	18.2	0.0		
20	QPSK	1	104	1746	1749	1748				
20	QPSK	50	0	1746	1751	1749	18.2	0.0		
20	QPSK	50	28	1755	1756	1755	18.2	0.0		
20	QPSK	50	56	1738	1747	1739		18.2	0.0	
20	QPSK	100	0	1738	1742	1741				
20	16QAM	1	1	1742	1752	1748	18.2	0.0		
20	64QAM	1	1	1748	1756	1745	18.2	0.0		
20	256QAM	1	1	1740	1754	1743	18.2	0.0		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	1744	1753	1751	18.2	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	1742	1757	1750	18.2	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	1745	1756	1750	18.2	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				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	PI2 BPSK	1	1	2192	2195	2190		23.2	0.0	
20	PI2 BPSK	1	53	2190	2193	2188				
20	PI2 BPSK	1	104	2191	2193	2189				
20	PI2 BPSK	50	0	2148	2151	2145	22.7	0.5		
20	PI2 BPSK	50	28	2198	2202	2193	23.2	0.0		
20	PI2 BPSK	50	56	2149	2153	2145		22.7	0.5	
20	PI2 BPSK	100	0	2155	2158	2153				
20	QPSK	1	1	2255	2258	2255				
20	QPSK	1	53	2185	2189	2183	23.2	0.0		
20	QPSK	1	104	2190	2193	2188				
20	QPSK	50	0	2098	2101	2095	22.2	1.0		
20	QPSK	50	28	2095	2094	2091	23.2	0.5		
20	QPSK	50	56	2097	2100	2093		22.2	1.0	
20	QPSK	100	0	2101	2103	2098				
20	16QAM	1	1	2068	2072	2065	22.2	1.0		
20	64QAM	1	1	1930	1933	1928	20.7	2.5		
20	256QAM	1	1	1782	1784	1779	18.7	4.5		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	2195	2198	2192	23.2	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	2190	2192	2189	23.2	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	2193	2195	2190	23.2	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				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585	2595	2610			
20	PI2 BPSK	1	1	23.20	23.21	23.20	24.2	0.0	
20	PI2 BPSK	1	26	23.15	23.20	23.19			
20	PI2 BPSK	1	49	23.25	23.31	23.26			
20	PI2 BPSK	25	0	22.78	22.79	22.73	23.7	0.5	
20	PI2 BPSK	25	13	23.22	23.27	23.25	24.2	0.0	
20	PI2 BPSK	25	26	23.27	23.31	23.26	23.7	0.5	
20	PI2 BPSK	50	0	22.35	22.36	22.43	24.2	0.0	
20	QPSK	1	1	23.31	23.34	23.33			
20	QPSK	1	26	23.25	23.26	23.20			
20	QPSK	1	49	23.25	23.31	23.26	24.2	0.0	
20	QPSK	25	0	22.36	22.40	22.42			
20	QPSK	25	13	23.26	23.30	23.27			
20	QPSK	25	26	23.25	23.29	23.25	23.2	1.0	
20	QPSK	50	0	22.31	22.35	22.29			
20	16QAM	1	1	21.93	21.97	21.91	23.2	1.0	
20	64QAM	1	1	20.97	20.98	20.92	21.7	2.5	
20	256QAM	1	1	19.11	19.18	19.11	19.7	4.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.2	0.0	
15	QPSK	1	1	23.26	23.30	23.27	24.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.2	0.0	
10	QPSK	1	1	23.24	23.32	23.29	24.2	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				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25.95	25.95	26.10			
20	PI2 BPSK	1	1	14.88	14.91	14.86	15.7	0.0	
20	PI2 BPSK	1	26	14.90	14.95	14.89			
20	PI2 BPSK	1	49	14.82	14.88	14.82			
20	PI2 BPSK	25	0	14.88	14.86	14.84	15.7	0.0	
20	PI2 BPSK	25	13	14.89	14.89	14.84	15.7	0.0	
20	PI2 BPSK	25	26	14.91	14.92	14.83	15.7	0.0	
20	PI2 BPSK	50	0	14.92	14.87	14.82			
20	QPSK	1	1	14.95	15.04	14.93			
20	QPSK	1	26	14.88	14.93	14.87	15.7	0.0	
20	QPSK	1	49	14.90	14.96	14.77	15.7	0.0	
20	QPSK	25	0	14.81	14.84	14.80			
20	QPSK	25	13	14.95	14.97	14.93			
20	QPSK	25	26	14.84	14.84	14.90	15.7	0.0	
20	QPSK	50	0	14.80	14.88	14.79			
20	16QAM	1	1	14.89	14.96	14.84	15.7	0.0	
20	64QAM	1	1	14.91	14.93	14.82	15.7	0.0	
20	256QAM	1	1	14.86	14.93	14.83	15.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	14.87	14.95	14.80	15.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	14.87	14.89	14.83	15.7	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				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25.95	25.95	26.10			
20	PI2 BPSK	1	1	20.94	20.92	20.95	22.2	0.0	
20	PI2 BPSK	1	26	20.92	20.95	20.47			
20	PI2 BPSK	1	49	20.90	20.91	20.90			
20	PI2 BPSK	25	0	20.99	20.94	20.97	22.2	0.0	
20	PI2 BPSK	25	13	20.98	20.92	20.94	22.2	0.0	
20	PI2 BPSK	25	26	20.92	20.95	20.98	22.2	0.0	
20	PI2 BPSK	50	0	20.49	20.80	20.96			
20	QPSK	1	1	20.95	20.98	20.93			
20	QPSK	1	26	20.90	20.98	20.93	22.2	0.0	
20	QPSK	1	49	20.90	20.93	20.94			
20	QPSK	25	0	20.97	20.98	20.46			
20	QPSK	25	13	20.92	20.95	20.93	22.2	0.0	
20	QPSK	25	26	20.91	20.96	20.48			
20	QPSK	50	0	20.90	20.92	20.97	22.2	0.0	
20	16QAM	1	1	20.95	20.96	20.93	22.2	0.0	
20	64QAM	1	1	18.96	18.98	18.92	20.7	1.5	
20	256QAM	1	1	17.92	17.94	17.90	18.7	3.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.2	0.0	
15	QPSK	1	1	20.98	20.94	20.48	22.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.2	0.0	
10	QPSK	1	1	20.91	20.95	20.92	22.2	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	PQ2 BPSK	1	1	23.35	23.04	23.00			
100	PQ2 BPSK	1	137	23.21	23.39	23.34	24.2	0.0	
100	PQ2 BPSK	1	271	23.39	23.38	23.36			
100	PQ2 BPSK	135	0	22.78	22.80	22.73	23.7	0.5	
100	PQ2 BPSK	135	69	23.33	23.35	23.29	24.2	0.0	
100	PQ2 BPSK	135	138	22.73	22.84	22.79			
100	PQ2 BPSK	270	0	22.68	22.74	22.67	23.7	0.5	
100	QPSK	1	1	23.20	23.11	23.29			
100	QPSK	1	137	23.28	23.46	23.40	24.2	0.0	
100	QPSK	1	271	23.17	23.28	23.36			
100	QPSK	135	0	22.23	22.22	22.26			
100	QPSK	135	69	23.25	23.32	23.29	24.2	0.0	
100	QPSK	135	138	22.23	22.30	22.27			
100	QPSK	270	0	22.13	22.19	22.14	23.2	1.0	
100	16QAM	1	1	20.07	21.00	21.04	23.2	1.0	
100	64QAM	1	1	20.05	20.45	20.39	21.7	2.5	
100	256QAM	1	1	19.04	18.93	18.88	19.7	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.12	23.39	23.37	24.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.12	23.43	23.33	24.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.11	23.40	23.35	24.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.42	23.33	24.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.14	23.41	23.33	24.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.11	23.40	23.35	24.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.11	23.40	23.33	24.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.45	23.35	24.2	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	PQ2 BPSK	1	1	15.41	15.47	15.45			
100	PQ2 BPSK	1	137	15.40	15.51	15.39	16.45	0.00	
100	PQ2 BPSK	1	271	15.46	15.45	15.36			
100	PQ2 BPSK	135	0	15.48	15.48	15.36	16.45	0.00	
100	PQ2 BPSK	135	69	15.43	15.52	15.43	16.45	0.00	
100	PQ2 BPSK	135	138	15.49	15.49	15.38			
100	PQ2 BPSK	270	0	15.48	15.49	15.39	16.45	0.00	
100	QPSK	1	1	15.44	15.48	15.36			
100	QPSK	1	137	15.05	15.07	15.02	16.45	0.00	
100	QPSK	1	271	15.40	15.41	15.40			
100	QPSK	135	0	15.44	15.40	15.40			
100	QPSK	135	69	15.02	15.03	15.00	16.45	0.00	
100	QPSK	135	138	15.36	15.46	15.35			
100	QPSK	270	0	15.44	15.47	15.35	16.45	0.00	
100	16QAM	1	1	15.47	15.41	15.42	16.45	0.00	
100	64QAM	1	1	15.45	15.51	15.43	16.45	0.00	
100	256QAM	1	1	15.46	15.48	15.37	16.45	0.00	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.47	15.43	15.39	16.45	0.00	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.40	15.45	15.36	16.45	0.00	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.41	15.47	15.39	16.45	0.00	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.44	15.41	15.39	16.45	0.00	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.46	15.41	15.44	16.45	0.00	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.43	15.42	15.43	16.45	0.00	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.43	15.42	15.43	16.45	0.00	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.46	15.49	15.45	16.45	0.00	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.42	15.52	15.46	16.45	0.00	

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	21.04	21.11	20.95			
100	PQ2 BPSK	1	137	21.06	21.05	21.05	22.7	0.0	
100	PQ2 BPSK	1	271	21.08	21.08	21.04			
100	PQ2 BPSK	135	0	21.05	21.08	21.02	22.7	0.0	
100	PQ2 BPSK	135	69	21.00	21.09	20.97	22.7	0.0	
100	PQ2 BPSK	135	138	20.95	20.97	20.92	22.7	0.0	
100	PQ2 BPSK	270	0	20.93	20.95	20.90			
100	QPSK	1	1	21.06	21.12	20.96			
100	QPSK	1	137	21.07	21.10	21.06	22.7	0.0	
100	QPSK	1	271	21.07	21.09	21.04			
100	QPSK	135	0	21.06	21.02	21.05			
100	QPSK	135	69	21.10	21.10	21.00	22.7	0.0	
100	QPSK	135	138	20.99	21.07	20.94			
100	QPSK	270	0	20.92	20.95	20.90	22.2	0.5	
100	16QAM	1	1	20.35	20.35	20.30	22.2	0.5	
100	64QAM	1	1	19.92	19.95	19.89	20.7	2.0	
100	256QAM	1	1	17.40	17.43	17.37	18.7	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.06	21.13	20.94	22.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.07	21.10	20.96	22.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.03	21.11	21.03	22.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.10	21.05	21.00	22.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.01	21.13	20.95	22.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.01	21.12	20.95	22.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.01	21.12	20.94	22.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.02	21.05	20.94	22.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.05	21.05	20.94	22.7	0.0	



Reduced Power for DSI 3

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				166300	167300	167800	24.2	0.0	
Frequency (MHz)				834	836.5	838			
20	PI2 BPSK	1	1	22.91	22.94	22.89			
50	PI2 BPSK	1	53	22.84	22.90	22.85	23.7	0.5	
20	PI2 BPSK	1	104	22.81	22.83	22.80			
50	PI2 BPSK	50	0	22.45	22.50	22.43			
20	PI2 BPSK	40	28	22.85	22.93	22.86	23.7	0.5	
50	PI2 BPSK	50	56	22.40	22.45	22.42			
20	PI2 BPSK	100	0	22.37	22.42	22.41			
20	QPSK	1	1	22.91	22.86	22.93	24.2	0.0	
20	QPSK	1	53	22.90	22.94	22.96			
20	QPSK	1	104	22.86	22.90	22.86			
20	QPSK	50	0	21.88	21.91	21.90	23.2	1.0	
20	QPSK	50	28	22.56	22.91	22.65			
20	QPSK	50	56	21.89	21.92	21.90			
20	QPSK	100	0	21.85	21.88	21.83	23.2	1.0	
20	16QAM	1	1	21.65	21.71	21.70			
20	16QAM	1	1	20.20	20.23	20.20			
20	256QAM	1	1	18.88	18.90	18.88	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.89	22.96	22.88			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.77	22.84	22.78		24.2	
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.80	22.81	22.76		24.2	

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	24.2	0.0	
Frequency (MHz)				834	836.5	838			
20	PI2 BPSK	1	1	22.64	22.69	22.65			
20	PI2 BPSK	1	53	22.67	22.68	22.67	23.7	0.5	
20	PI2 BPSK	1	104	22.66	22.70	22.67			
20	PI2 BPSK	50	0	22.21	22.22	22.19			
20	PI2 BPSK	50	28	22.68	22.71	22.65	23.7	0.5	
20	PI2 BPSK	50	56	22.15	22.21	22.18			
20	PI2 BPSK	100	0	22.14	22.19	22.13			
20	QPSK	1	1	22.69	22.74	22.73	24.2	0.0	
20	QPSK	1	53	22.66	22.71	22.67			
20	QPSK	1	104	22.61	22.66	22.65			
20	QPSK	50	0	21.64	21.68	21.66	23.2	1.0	
20	QPSK	50	28	22.61	22.65	22.56			
20	QPSK	50	56	21.62	21.67	21.61			
20	QPSK	100	0	21.56	21.63	21.57	23.2	1.0	
20	16QAM	1	1	21.40	21.46	21.42			
20	16QAM	1	1	19.91	19.96	19.94			
20	256QAM	1	1	18.67	18.68	18.66	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.63	22.67	22.72		24.2	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.67	22.70	22.68		24.2	
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.62	22.73	22.68		24.2	

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				50200	50700	51200	22.2	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	21.48	21.61	21.54			
20	PI2 BPSK	1	53	21.49	21.60	21.53	22.2	0.0	
20	PI2 BPSK	1	104	21.57	21.56	21.47			
20	PI2 BPSK	50	0	21.46	21.55	21.51			
20	PI2 BPSK	50	28	21.47	21.56	21.47	22.2	0.0	
20	PI2 BPSK	50	56	21.54	21.56	21.53			
20	PI2 BPSK	100	0	21.56	21.51	21.44			
20	QPSK	1	1	21.53	21.67	21.50	22.2	0.0	
20	QPSK	1	53	21.51	21.62	21.49			
20	QPSK	1	104	21.50	21.59	21.48			
20	QPSK	50	0	21.49	21.52	21.50	22.2	0.0	
20	QPSK	50	28	21.56	21.63	21.61			
20	QPSK	50	56	21.43	21.58	21.47			
20	QPSK	100	0	21.46	21.54	21.50	22.2	0.0	
20	16QAM	1	1	21.45	21.61	21.52			
20	16QAM	1	1	20.46	20.48	20.44			
20	256QAM	1	1	18.96	19.03	18.99	19.2	3.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.56	21.54	21.48		22.2	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.56	21.60	21.47		22.2	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.47	21.53	21.49		22.2	

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.03	18.08	17.87	18.7	0.0
20	PI2 BPSK	1	53	18.06	18.12	17.95		
20	PI2 BPSK	1	104	18.07	18.06	17.88	18.7	0.0
20	PI2 BPSK	50	0	18.11	18.14	17.94		
20	PI2 BPSK	50	28	18.06	18.06	17.91	18.7	0.0
20	PI2 BPSK	50	56	18.10	18.05	17.95		
20	PI2 BPSK	100	0	18.09	18.06	17.90	18.7	0.0
20	QPSK	1	1	18.16	18.20	18.02		
20	QPSK	1	53	18.03	18.06	17.97	18.7	0.0
20	QPSK	1	104	18.00	18.12	17.83		
20	QPSK	50	0	17.92	18.06	17.86	18.7	0.0
20	QPSK	50	28	18.06	18.16	18.00		
20	QPSK	50	56	17.93	18.00	17.92	18.7	0.0
20	QPSK	100	0	17.92	18.08	17.90		
20	16QAM	1	1	18.01	18.12	17.88	18.7	0.0
20	16QAM	1	1	18.00	18.06	17.86		
20	256QAM	1	1	18.08	18.14	17.89	18.7	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2497.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.02	18.06	17.88		
Channel				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				501000	507000	513000		
10	QPSK	1	1	18.02	18.10	17.97	18.7	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.09	18.14	17.95		

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	19.20	19.15	19.19	20.7	0.0
20	PI2 BPSK	1	53	19.23	19.16	19.15		
20	PI2 BPSK	1	104	19.21	19.24	19.16	20.7	0.0
20	PI2 BPSK	50	0	19.16	19.20	19.17		
20	PI2 BPSK	50	28	19.13	19.14	19.16	20.7	0.0
20	PI2 BPSK	50	56	19.21	19.25	19.14		
20	PI2 BPSK	100	0	19.18	19.19	19.17	20.7	0.0
20	QPSK	1	1	19.26	19.30	19.25		
20	QPSK	1	53	19.16	19.25	19.13	20.7	0.0
20	QPSK	1	104	19.15	19.16	19.17		
20	QPSK	50	0	19.15	19.19	19.16	20.7	0.0
20	QPSK	50	28	19.24	19.27	19.24		
20	QPSK	50	56	19.16	19.21	19.08	20.7	0.0
20	QPSK	100	0	19.23	19.26	19.20		
20	16QAM	1	1	19.20	19.18	19.11	20.7	0.0
20	16QAM	1	1	19.23	19.14	19.20		
20	256QAM	1	1	17.58	17.60	17.56	18.7	2.0
Channel				501500	507000	512500		
Frequency (MHz)				2497.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.20	19.25	19.18		
Channel				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				501000	507000	513000		
10	QPSK	1	1	19.14	19.18	19.15	20.7	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.12	19.19	19.17		

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				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	20.70	20.76	20.69	21.7	0.0
20	PI2 BPSK	1	53	20.73	20.76	20.69		
20	PI2 BPSK	1	104	20.75	20.74	20.69	21.7	0.0
20	PI2 BPSK	50	0	20.80	20.81	20.69		
20	PI2 BPSK	50	28	20.77	20.78	20.67	21.7	0.0
20	PI2 BPSK	50	56	20.75	20.81	20.73		
20	PI2 BPSK	100	0	20.73	20.84	20.74	21.7	0.0
20	QPSK	1	1	20.86	20.90	20.83		
20	QPSK	1	53	20.79	20.74	20.72	21.7	0.0
20	QPSK	1	104	20.77	20.83	20.72		
20	QPSK	50	0	20.74	20.83	20.75	21.7	0.0
20	QPSK	50	28	20.82	20.88	20.84		
20	QPSK	50	56	20.88	20.79	20.75	21.7	0.0
20	QPSK	100	0	20.89	20.79	20.70		
20	16QAM	1	1	20.75	20.81	20.75	21.7	0.0
20	16QAM	1	1	20.87	20.81	20.59		
20	256QAM	1	1	19.16	19.21	19.16	19.7	2.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.89	20.79	20.71		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.79	20.78	20.67	21.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.70	20.75	20.73		

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				343500	349000	354500	20.7	0.0	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	19.95	19.99	19.92			
20	PI2 BPSK	1	53	19.98	20.05	20.00	20.7	0.0	
20	PI2 BPSK	1	104	19.89	20.04	19.92			
20	PI2 BPSK	50	0	19.88	19.95	20.01			
20	PI2 BPSK	50	28	19.91	20.05	19.92	20.7	0.0	
20	PI2 BPSK	50	56	19.95	19.98	19.92			
20	PI2 BPSK	100	0	19.88	20.03	19.96			
20	QPSK	1	1	20.03	20.11	20.06	20.7	0.0	
20	QPSK	1	53	19.88	19.97	19.95			
20	QPSK	1	104	19.95	19.95	19.95			
20	QPSK	50	0	19.93	19.92	19.92	20.7	0.0	
20	QPSK	50	28	20.00	20.07	20.03			
20	QPSK	50	56	19.87	19.96	19.96			
20	QPSK	100	0	19.93	19.99	19.93	20.7	0.0	
20	16QAM	1	1	19.89	20.05	19.92			
20	64QAM	1	1	19.87	20.01	19.98			
20	256QAM	1	1	19.41	19.43	19.41	19.7	1.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.90	20.06	20.00	20.7	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.93	19.95	19.99	20.7	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.88	20.05	19.96	20.7	0.0	
Channel									
Frequency (MHz)									

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				343500	349000	354500	23.2	0.0	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.92	21.95	21.90			
20	PI2 BPSK	1	53	21.90	21.93	21.88	23.2	0.0	
20	PI2 BPSK	1	104	21.91	21.93	21.89			
20	PI2 BPSK	50	0	21.48	21.91	21.45			
20	PI2 BPSK	50	28	21.98	22.02	21.93	22.7	0.0	
20	PI2 BPSK	50	56	21.49	21.53	21.45			
20	PI2 BPSK	100	0	21.55	21.58	21.53			
20	QPSK	1	1	22.05	22.08	22.03	23.2	0.0	
20	QPSK	1	53	21.85	21.85	21.85			
20	QPSK	1	104	21.90	21.93	21.85			
20	QPSK	50	0	20.98	21.01	20.95	22.2	1.0	
20	QPSK	50	28	22.02	22.04	22.01			
20	QPSK	50	56	20.97	21.00	20.93			
20	QPSK	100	0	21.01	21.03	20.98	22.2	1.0	
20	16QAM	1	1	20.85	20.72	20.65			
20	64QAM	1	1	19.30	19.33	19.28			
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.95	21.95	21.92	23.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.93	21.95	21.90	23.2	0.0	
Channel									
Frequency (MHz)									



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				516000	519000	522000	22.7	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	21.73	21.76	21.88			
20	PI2 BPSK	1	26	21.73	21.77	21.89			
20	PI2 BPSK	1	49	21.68	21.71	21.82	22.7	0.0	
20	PI2 BPSK	25	0	21.65	21.79	21.87			
20	PI2 BPSK	25	13	21.76	21.79	21.73			
20	PI2 BPSK	25	26	21.70	21.70	21.89			
20	PI2 BPSK	50	0	21.70	21.70	21.83	22.7	0.0	
20	QPSK	1	1	21.81	21.85	21.76			
20	QPSK	1	26	21.75	21.75	21.72			
20	QPSK	1	49	21.68	21.80	21.83			
20	QPSK	25	0	21.62	21.75	21.83	22.7	0.0	
20	QPSK	25	13	21.79	21.83	21.75			
20	QPSK	25	26	21.72	21.72	21.85			
20	QPSK	50	0	21.70	21.71	21.86			
20	16QAM	1	1	21.66	21.75	21.73	22.7	0.0	
20	64QAM	1	1	20.57	20.58	20.52			
20	256QAM	1	1	19.11	19.18	19.11			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.7	0.0	
15	QPSK	1	1	21.76	21.77	21.82			
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.7	0.0	
10	QPSK	1	1	21.75	21.79	21.66			

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				516000	519000	522000	18.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	17.40	17.38	17.29	18.2	0.0	
20	PI2 BPSK	1	26	17.34	17.32	17.30			
20	PI2 BPSK	1	49	17.38	17.35	17.32			
20	PI2 BPSK	25	0	17.37	17.40	17.28	18.2	0.0	
20	PI2 BPSK	25	13	17.37	17.42	17.33			
20	PI2 BPSK	25	26	17.39	17.35	17.32			
20	PI2 BPSK	50	0	17.33	17.41	17.29	18.2	0.0	
20	QPSK	1	1	17.45	17.48	17.42			
20	QPSK	1	26	17.37	17.35	17.30			
20	QPSK	1	49	17.32	17.40	17.33	18.2	0.0	
20	QPSK	25	0	17.29	17.31	17.25			
20	QPSK	25	13	17.43	17.48	17.40			
20	QPSK	25	26	17.29	17.34	17.35	18.2	0.0	
20	QPSK	50	0	17.25	17.39	17.32			
20	16QAM	1	1	17.38	17.35	17.31			
20	64QAM	1	1	17.38	17.36	17.27	18.2	0.0	
20	256QAM	1	1	17.26	17.31	17.27			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	18.2	0.0	
15	QPSK	1	1	17.34	17.41	17.26			
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	18.2	0.0	
10	QPSK	1	1	17.31	17.33	17.27			

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				516000	519000	522000	19.2	0.0				
Frequency (MHz)				2580	2595	2610						
20	PI2 BPSK	1	1	17.58	17.56	17.52				19.2	0.0	
20	PI2 BPSK	1	26	17.54	17.59	17.54						
20	PI2 BPSK	1	49	17.63	17.60	17.52						
20	PI2 BPSK	25	0	17.53	17.57	17.51						
20	PI2 BPSK	25	13	17.52	17.59	17.60	19.2	0.0				
20	PI2 BPSK	25	26	17.58	17.61	17.49						
20	PI2 BPSK	50	0	17.58	17.58	17.58						
20	QPSK	1	1	17.68	17.70	17.65						
20	QPSK	1	26	17.53	17.62	17.58	19.2	0.0				
20	QPSK	1	49	17.62	17.64	17.59						
20	QPSK	25	0	17.56	17.62	17.51						
20	QPSK	25	13	17.65	17.67	17.63						
20	QPSK	25	26	17.59	17.61	17.57	19.2	0.0				
20	QPSK	50	0	17.61	17.64	17.56						
20	16QAM	1	1	17.63	17.55	17.53						
20	64QAM	1	1	17.52	17.60	17.49						
20	256QAM	1	1	17.52	17.54	17.50	19.2	0.0				
Channel				515502	519000	522498						
Frequency (MHz)				2577.51	2595	2612.49						
15	QPSK	1	1	17.61	17.65	17.53						
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575.02	2595	2614.98	19.2	0.0				
10	QPSK	1	1	17.57	17.55	17.49						



FCC_n41_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				506002	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	19.74	19.83	19.75	20.95	0.00	
100	Pi2 BPSK	1	137	19.78	19.95	19.78			
100	Pi2 BPSK	1	271	19.76	19.92	19.82			
100	Pi2 BPSK	135	0	19.77	19.88	19.80	20.95	0.00	
100	Pi2 BPSK	135	69	19.74	19.89	19.74	20.95	0.00	
100	Pi2 BPSK	135	138	19.72	19.88	19.79	20.95	0.00	
100	Pi2 BPSK	270	0	19.70	19.92	19.74	20.95	0.00	
100	QPSK	1	1	19.74	19.86	19.73			
100	QPSK	1	137	19.83	20.01	19.85			
100	QPSK	1	271	19.70	19.92	19.73	20.95	0.00	
100	QPSK	135	0	19.66	19.76	19.77			
100	QPSK	135	69	19.80	19.91	19.83			
100	QPSK	135	138	19.68	19.79	19.78	20.95	0.00	
100	QPSK	270	0	19.69	19.81	19.67			
100	16QAM	1	1	19.67	19.94	19.82			
100	64QAM	1	1	19.74	19.88	19.80	20.95	0.00	
100	256QAM	1	1	19.04	18.93	18.88	19.70	1.25	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(50)		
90	QPSK	1	1	19.71	19.86	19.77	20.95	0.00	
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(48)		
80	QPSK	1	1	19.72	19.92	19.84	20.95	0.00	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2650.98	(46)		
60	QPSK	1	1	19.69	19.91	19.74	20.95	0.00	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(44)		
50	QPSK	1	1	19.77	19.96	19.75	20.95	0.00	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(42)		
40	QPSK	1	1	19.69	19.93	19.73	20.95	0.00	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(40)		
20	QPSK	1	1	19.73	19.89	19.83	20.95	0.00	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(38)		
15	QPSK	1	1	19.70	19.94	19.73	20.95	0.00	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(36)		
10	QPSK	1	1	19.74	19.91	19.81	20.95	0.00	

FCC_n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	17.39	17.46	17.36	18.45	0.00	
100	PQ2 BPSK	1	137	17.39	17.45	17.32			
100	PQ2 BPSK	1	271	17.44	17.39	17.37			
100	PQ2 BPSK	135	0	17.46	17.39	17.40	18.45	0.00	
100	PQ2 BPSK	135	69	17.42	17.39	17.42	18.45	0.00	
100	PQ2 BPSK	135	138	17.43	17.44	17.43	18.45	0.00	
100	PQ2 BPSK	270	0	17.39	17.43	17.38	18.45	0.00	
100	QPSK	1	1	17.42	17.40	17.42			
100	QPSK	1	137	17.51	17.55	17.48			
100	QPSK	1	271	17.35	17.39	17.39	18.45	0.00	
100	QPSK	135	0	17.34	17.38	17.25			
100	QPSK	135	69	17.43	17.48	17.39			
100	QPSK	135	138	17.28	17.43	17.24	18.45	0.00	
100	QPSK	270	0	17.37	17.36	17.32			
100	16QAM	1	1	17.44	17.40	17.40			
100	64QAM	1	1	17.35	17.44	17.33	18.45	0.00	
100	256QAM	1	1	17.40	17.42	17.42	18.45	0.00	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(50)		
90	QPSK	1	1	17.40	17.43	17.33	18.45	0.00	
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(48)		
80	QPSK	1	1	17.38	17.39	17.40	18.45	0.00	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2650.98	(46)		
60	QPSK	1	1	17.40	17.45	17.35	18.45	0.00	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(44)		
50	QPSK	1	1	17.41	17.50	17.35	18.45	0.00	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(42)		
40	QPSK	1	1	17.39	17.44	17.36	18.45	0.00	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(40)		
20	QPSK	1	1	17.39	17.50	17.43	18.45	0.00	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(38)		
15	QPSK	1	1	17.44	17.39	17.38	18.45	0.00	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(36)		
10	QPSK	1	1	17.41	17.45	17.39	18.45	0.00	

FCC_n41_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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P2 BPSK	1	1	16.59	16.54	16.53	18.45	0.00	
100	P2 BPSK	1	137	16.55	16.61	16.50			
100	P2 BPSK	1	271	16.49	16.54	16.51			
100	P2 BPSK	135	0	16.49	16.57	16.55	18.45	0.00	
100	P2 BPSK	135	69	16.54	16.63	16.50	18.45	0.00	
100	P2 BPSK	135	138	16.54	16.55	16.52	18.45	0.00	
100	P2 BPSK	270	0	16.55	16.55	16.52	18.45	0.00	
100	QPSK	1	1	16.59	16.54	16.55			
100	QPSK	1	137	16.55	16.65	16.50			
100	QPSK	1	271	16.49	16.52	16.45	18.45	0.00	
100	QPSK	135	0	16.55	16.57	16.46			
100	QPSK	135	69	16.52	16.64	16.59			
100	QPSK	135	138	16.49	16.52	16.46	18.45	0.00	
100	QPSK	270	0	16.57	16.61	16.55			
100	16QAM	1	1	16.59	16.57	16.46			
100	64QAM	1	1	16.51	16.61	16.52	18.45	0.00	
100	256QAM	1	1	16.54	16.58	16.54	18.45	0.00	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	16.58	16.57	16.47	18.45	0.00	
Channel				507204	518598	528998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	16.56	16.61	16.50	18.45	0.00	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2520	2592.99	2639.98	(dBm)	(dB)	
60	QPSK	1	1	16.57	16.62	16.55	18.45	0.00	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2512.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	16.55	16.58	16.53	18.45	0.00	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2514.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	16.53	16.54	16.54	18.45	0.00	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.57	16.60	16.55	18.45	0.00	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.02	2592.99	2684.98	(dBm)	(dB)	
15	QPSK	1	1	16.51	16.60	16.45	18.45	0.00	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	16.57	16.58	16.52	18.45	0.00	

Reduced Power for DSI 4

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	24.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.91	22.94	22.89			
20	PI2 BPSK	1	53	22.84	22.90	22.85	23.7	0.5	
20	PI2 BPSK	1	104	22.81	22.83	22.80			
20	PI2 BPSK	50	0	22.45	22.50	22.43			
20	PI2 BPSK	50	28	22.89	22.93	22.86	24.2	0.0	
20	PI2 BPSK	50	56	22.40	22.45	22.42			
20	PI2 BPSK	100	0	22.37	22.42	22.41			
20	QPSK	1	1	22.91	22.96	22.93	24.2	0.0	
20	QPSK	1	53	22.90	22.94	22.90			
20	QPSK	1	104	22.86	22.90	22.86			
20	QPSK	50	0	21.88	21.91	21.90	23.2	0.5	
20	QPSK	50	28	22.88	22.91	22.85			
20	QPSK	50	56	21.89	21.92	21.90			
20	QPSK	100	0	21.85	21.88	21.83	23.2	1.0	
20	ISQAM	1	1	21.69	21.71	21.70			
20	ISQAM	1	1	20.20	20.23	20.20			
20	256QAM	1	1	18.88	18.90	18.88	19.7	4.5	
Channel				166300	167300	168300	24.2	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.89	22.95	22.89			
Channel				166800	167300	168800	24.2	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.77	22.84	22.78			
Channel				166300	167300	168300	24.2	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.80	22.81	22.76			

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	21.95	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	20.17	20.17	20.20			
20	PI2 BPSK	1	53	20.11	20.15	20.17	21.95	0.0	
20	PI2 BPSK	1	104	20.14	20.18	20.19			
20	PI2 BPSK	50	0	20.10	20.12	20.16			
20	PI2 BPSK	50	28	20.14	20.18	20.14	21.95	0.0	
20	PI2 BPSK	50	56	20.16	20.22	20.19			
20	PI2 BPSK	100	0	20.10	20.12	20.16			
20	QPSK	1	1	20.23	20.28	20.25	21.95	0.00	
20	QPSK	1	53	20.14	20.19	20.13			
20	QPSK	1	104	20.10	20.15	20.09			
20	QPSK	50	0	20.01	20.10	20.07	21.95	0.00	
20	QPSK	50	28	20.13	20.22	20.16			
20	QPSK	50	56	20.06	20.07	20.09			
20	QPSK	100	0	20.05	20.12	20.09	21.95	0.00	
20	ISQAM	1	1	20.15	20.19	20.16			
20	ISQAM	1	1	19.91	19.96	19.94	21.70	0.25	
20	256QAM	1	1	18.67	18.68	18.66	19.70	2.25	
Channel				166300	167300	168300	21.95	0.00	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.17	20.17	20.11			
Channel				166800	167300	168800	21.95	0.00	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	20.16	20.16	20.17			
Channel				166300	167300	168300	21.95	0.00	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	20.15	20.21	20.13			

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				50000	50700	51200	23.7	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	23.10	23.13	23.09			
20	PI2 BPSK	1	53	23.07	23.11	23.10	23.7	0.5	
20	PI2 BPSK	1	104	23.04	23.07	23.01			
20	PI2 BPSK	50	0	22.83	22.70	22.69			
20	PI2 BPSK	50	28	23.05	23.11	23.08	23.7	0.0	
20	PI2 BPSK	50	56	22.84	22.87	22.81			
20	PI2 BPSK	100	0	22.82	22.87	22.82			
20	QPSK	1	1	23.19	23.25	23.13	23.7	0.0	
20	QPSK	1	53	23.06	23.13	23.12			
20	QPSK	1	104	22.99	23.05	23.04			
20	QPSK	50	0	22.15	22.18	22.14	22.7	1.0	
20	QPSK	50	28	23.09	23.14	23.07			
20	QPSK	50	56	22.09	22.12	22.05			
20	QPSK	100	0	22.09	22.13	22.12	22.7	1.0	
20	ISQAM	1	1	21.80	21.85	21.78			
20	ISQAM	1	1	20.46	20.48	20.44	21.2	2.5	
20	256QAM	1	1	18.96	19.03	18.99	19.2	4.5	
Channel				50100	50700	51300	23.7	0.0	
Frequency (MHz)				2515	2535	2555			
15	QPSK	1	1	23.07	23.11	23.01			
Channel				50100	50700	51300	23.7	0.0	
Frequency (MHz)				2505	2525	2545			
10	QPSK	1	1	23.04	23.08	22.98			
Channel				50050	50700	51250	23.7	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.03	23.14	22.96			

n7_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	15.10	15.13	14.94	15.7	0.0
20	PI2 BPSK	1	53	15.01	15.13	14.99		
20	PI2 BPSK	1	104	15.01	15.04	14.96		
20	PI2 BPSK	50	0	15.03	15.04	14.97	15.7	0.0
20	PI2 BPSK	50	28	15.04	15.08	14.99	15.7	0.0
20	PI2 BPSK	50	56	15.02	15.05	14.95	15.7	0.0
20	PI2 BPSK	100	0	15.02	15.05	14.92		
20	QPSK	1	1	15.10	15.18	15.05		
20	QPSK	1	53	15.06	15.06	15.00	15.7	0.0
20	QPSK	1	104	14.96	15.11	15.00	15.7	0.0
20	QPSK	50	0	14.95	15.06	14.95		
20	QPSK	50	28	15.06	15.11	15.02		
20	QPSK	50	56	15.01	15.02	14.88	15.7	0.0
20	QPSK	100	0	14.97	15.04	14.86	15.7	0.0
20	ISQAM	1	1	15.06	15.04	14.96	15.7	0.0
20	64QAM	1	1	15.01	15.11	14.95	15.7	0.0
20	256QAM	1	1	15.08	15.09	14.93	15.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2497.5	2535	2492.5		
15	QPSK	1	1	15.02	15.05	14.91	15.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.06	15.12	14.91	15.7	0.0
Channel				520150	521000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2507.5		
5	QPSK	1	1	15.10	15.09	15.00	15.7	0.0

n7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	21.68	21.68	21.63	23.2	0.0
20	PI2 BPSK	1	53	21.68	21.65	21.63		
20	PI2 BPSK	1	104	21.59	21.64	21.64		
20	PI2 BPSK	50	0	21.15	21.16	21.07	22.7	0.5
20	PI2 BPSK	50	28	21.59	21.67	21.61	23.2	0.0
20	PI2 BPSK	50	56	21.12	21.14	21.16	22.7	0.5
20	PI2 BPSK	100	0	21.10	21.15	21.08		
20	QPSK	1	1	21.75	21.78	21.72		
20	QPSK	1	53	21.73	21.75	21.70	23.2	0.0
20	QPSK	1	104	21.58	21.62	21.55		
20	QPSK	50	0	20.72	20.75	20.70		
20	QPSK	50	28	21.70	21.73	21.68	23.2	0.0
20	QPSK	50	56	20.65	20.69	20.62	22.2	1.0
20	QPSK	100	0	20.67	20.70	20.65		
20	ISQAM	1	1	20.43	20.47	20.41		
20	64QAM	1	1	19.02	19.05	19.00	20.7	2.5
20	256QAM	1	1	17.58	17.60	17.56	18.7	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2497.5	2535	2492.5		
15	QPSK	1	1	21.69	21.66	21.65	23.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.64	21.72	21.56	23.2	0.0
Channel				520150	521000	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2507.5		
5	QPSK	1	1	21.68	21.70	21.58	23.2	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				34400	34600	34800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	23.23	23.30	23.26	24.2	0.0
20	PI2 BPSK	1	53	23.19	23.26	23.24		
20	PI2 BPSK	1	104	23.35	23.37	23.33		
20	PI2 BPSK	50	0	22.83	22.87	22.81	23.7	0.5
20	PI2 BPSK	50	28	23.32	23.35	23.30	24.2	0.0
20	PI2 BPSK	50	56	22.83	22.84	22.79	23.7	0.5
20	PI2 BPSK	100	0	22.86	22.87	22.82		
20	QPSK	1	1	23.26	23.28	23.26		
20	QPSK	1	53	23.24	23.27	23.22	24.2	0.0
20	QPSK	1	104	23.34	23.35	23.29		
20	QPSK	50	0	22.33	22.35	22.32		
20	QPSK	50	28	23.29	23.36	23.34	24.2	0.0
20	QPSK	50	56	22.29	22.31	22.26	23.2	1.0
20	QPSK	100	0	22.34	22.35	22.28		
20	ISQAM	1	1	21.97	22.04	22.03		
20	64QAM	1	1	20.57	20.61	20.59	21.7	2.5
20	256QAM	1	1	19.16	19.21	19.16	19.7	4.5
Channel				343600	346000	346000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1712.5		
15	QPSK	1	1	23.18	23.25	23.19	24.2	0.0
Channel				343600	346000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.22	23.21	23.24	24.2	0.0
Channel				352015	352015	352015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.19	23.22	23.24	24.2	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				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	17.41	17.50	17.53	18.2	0.0
20	PI2 BPSK	1	53	17.46	17.53	17.46		
20	PI2 BPSK	1	104	17.44	17.53	17.46		
20	PI2 BPSK	50	0	17.50	17.46	17.50	18.2	0.0
20	PI2 BPSK	50	28	17.49	17.52	17.47	18.2	0.0
20	PI2 BPSK	50	56	17.49	17.49	17.54	18.2	0.0
20	PI2 BPSK	100	0	17.48	17.54	17.46		
20	QPSK	1	1	17.05	17.62	17.09		
20	QPSK	1	53	17.43	17.48	17.48	18.2	0.0
20	QPSK	1	104	17.46	17.49	17.48		
20	QPSK	50	0	17.46	17.51	17.49		
20	QPSK	50	28	17.52	17.56	17.55	18.2	0.0
20	QPSK	50	56	17.38	17.47	17.39	18.2	0.0
20	QPSK	100	0	17.38	17.42	17.41		
20	16QAM	1	1	17.42	17.52	17.48		
20	64QAM	1	1	17.48	17.56	17.45	18.2	0.0
20	256QAM	1	1	17.49	17.54	17.43	18.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1716.5	1745	1773.5		
15	QPSK	1	1	17.44	17.53	17.51	18.2	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.42	17.57	17.50	18.2	0.0
Channel				342500	349500	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.45	17.56	17.50	18.2	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				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	21.92	21.95	21.90	23.2	0.0
20	PI2 BPSK	1	53	21.90	21.93	21.88		
20	PI2 BPSK	1	104	21.91	21.93	21.89		
20	PI2 BPSK	50	0	21.48	21.51	21.45	22.7	0.5
20	PI2 BPSK	50	28	21.98	22.02	21.93	23.2	0.0
20	PI2 BPSK	50	56	21.49	21.53	21.45	22.7	0.5
20	PI2 BPSK	100	0	21.55	21.58	21.53		
20	QPSK	1	1	22.05	22.08	22.03		
20	QPSK	1	53	21.85	21.89	21.83	23.2	0.0
20	QPSK	1	104	21.90	21.93	21.88		
20	QPSK	50	0	20.98	21.01	20.95		
20	QPSK	50	28	22.02	22.04	22.01	23.2	0.0
20	QPSK	50	56	20.97	21.00	20.93	22.2	1.0
20	QPSK	100	0	21.01	21.03	20.99		
20	16QAM	1	1	20.68	20.72	20.65		
20	64QAM	1	1	19.30	19.33	19.28	20.7	2.5
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0
Channel				342500	349500	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000	24.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.20	23.21	23.20			
20	PI2 BPSK	1	26	23.15	23.20	23.19			
20	PI2 BPSK	1	49	23.25	23.31	23.26	23.7	0.5	
20	PI2 BPSK	25	0	22.78	22.79	22.73			
20	PI2 BPSK	25	13	23.22	23.27	23.25			
20	PI2 BPSK	25	26	23.27	23.31	23.26			
20	PI2 BPSK	50	0	22.35	22.35	22.43	23.7	0.5	
20	QPSK	1	1	23.31	23.24	23.35			
20	QPSK	1	26	23.25	23.26	23.20			
20	QPSK	1	49	23.26	23.31	23.28			
20	QPSK	25	0	22.36	22.40	22.42	24.2	0.0	
20	QPSK	25	13	23.26	23.30	23.27			
20	QPSK	25	26	23.25	23.29	23.25			
20	QPSK	50	0	22.31	22.26	22.26			
20	16QAM	1	1	21.93	21.97	21.91	23.2	1.0	
20	64QAM	1	1	20.57	20.58	20.52			
20	256QAM	1	1	19.11	19.18	19.11			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.24	23.30	23.27			
Channel				519004	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.24	23.32	23.29			

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				516000	519000	522000	15.7	0.0				
Frequency (MHz)				2580	2595	2610						
20	PI2 BPSK	1	1	14.88	14.91	14.86				15.7 <td colspan="2" rowspan="4">0.0</td>	0.0	
20	PI2 BPSK	1	26	14.90	14.95	14.89						
20	PI2 BPSK	1	49	14.82	14.88	14.82						
20	PI2 BPSK	25	0	14.88	14.86	14.84						
20	PI2 BPSK	25	13	14.89	14.89	14.84	15.7 <td colspan="2" rowspan="4">0.0</td>	0.0				
20	PI2 BPSK	25	26	14.91	14.92	14.83						
20	PI2 BPSK	50	0	14.92	14.87	14.82						
20	QPSK	1	1	14.95	15.04	14.93						
20	QPSK	1	26	14.88	14.93	14.87	15.7 <td colspan="2" rowspan="4">0.0</td>	0.0				
20	QPSK	1	49	14.90	14.96	14.77						
20	QPSK	25	0	14.81	14.84	14.80						
20	QPSK	25	13	14.95	14.97	14.93						
20	QPSK	25	26	14.84	14.84	14.90	15.7 <td colspan="2" rowspan="4">0.0</td>	0.0				
20	QPSK	50	0	14.80	14.88	14.79						
20	16QAM	1	1	14.89	14.96	14.84						
20	64QAM	1	1	14.91	14.93	14.82						
20	256QAM	1	1	14.86	14.93	14.83	Tune-up limit (dBm)	MPR (dB)				
Channel				515502 <th>519000</th> <th>522498</th>	519000	522498						
Frequency (MHz)				2577.51	2595	2612.49						
15	QPSK	1	1	14.87	14.86	14.80				15.7	0.0	
Channel				515004 <th>519000</th> <th>522096</th> <th rowspan="4">Tune-up limit (dBm)</th> <th colspan="2" rowspan="4">MPR (dB)</th>	519000	522096	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2575.02 <th>2595</th> <th>2614.98</th>	2595	2614.98						
10	QPSK	1	1	14.87	14.89	14.83				15.7	0.0	

n38_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				516000	519000	522000	22.2	0.0				
Frequency (MHz)				25800	25950	26100						
20	PI2 BPSK	1	1	20.54	20.62	20.55				22.2	0.0	
20	PI2 BPSK	1	26	20.52	20.55	20.47						
20	PI2 BPSK	1	49	20.50	20.61	20.50						
20	PI2 BPSK	25	0	20.59	20.54	20.57						
20	PI2 BPSK	25	13	20.58	20.52	20.54	22.2	0.0				
20	PI2 BPSK	25	26	20.52	20.55	20.58						
20	PI2 BPSK	50	0	20.49	20.60	20.56						
20	QPSK	1	1	20.65	20.68	20.63						
20	QPSK	1	26	20.50	20.58	20.53	22.2	0.0				
20	QPSK	1	49	20.60	20.53	20.54						
20	QPSK	25	0	20.57	20.59	20.46						
20	QPSK	25	13	20.62	20.65	20.60						
20	QPSK	25	26	20.51	20.56	20.48	22.2	0.0				
20	QPSK	50	0	20.60	20.62	20.57						
20	16QAM	1	1	20.35	20.39	20.33				22.2	0.0	
20	64QAM	1	1	18.95	18.98	18.92						
20	256QAM	1	1	17.52	17.54	17.50						
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2577.51	2595	2612.49	22.2	0.0				
15	QPSK	1	1	20.54	20.54	20.48						
Channel				515004	519000	522096						
Frequency (MHz)				2575.02	2595	2614.98				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.51	20.55	20.52	22.2	0.0				



FCC_n41_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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	23.36	23.04	23.00	24.2	0.0	
100	Pi2 BPSK	1	137	23.21	23.39	23.34			
100	Pi2 BPSK	1	271	23.36	23.38	23.36			
100	Pi2 BPSK	135	0	22.78	22.80	22.73	23.7	0.5	
100	Pi2 BPSK	135	69	23.33	23.35	23.29	24.2	0.0	
100	Pi2 BPSK	135	138	22.73	22.84	22.79	23.7	0.5	
100	Pi2 BPSK	270	0	22.68	22.74	22.67	24.2	0.0	
100	QPSK	1	1	23.20	23.11	23.29			
100	QPSK	1	137	23.26	23.46	23.40			
100	QPSK	1	271	23.17	23.38	23.36	24.2	0.0	
100	QPSK	135	0	22.29	22.22	22.26			
100	QPSK	135	69	23.25	23.32	23.29			
100	QPSK	135	138	22.23	22.30	22.27	24.2	0.0	
100	QPSK	270	0	22.13	22.19	22.14			
100	16QAM	1	1	22.07	21.90	21.84			
100	64QAM	1	1	20.55	20.45	20.39	21.7	2.5	
100	256QAM	1	1	19.04	18.93	18.88	19.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541.02	2592.99	2644.98	24.2	0.0	
90	QPSK	1	1	23.12	23.39	23.37			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.2	0.0	
80	QPSK	1	1	23.12	23.43	23.33			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526.02	2592.99	2659.98	24.2	0.0	
60	QPSK	1	1	23.11	23.40	23.35			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.2	0.0	
50	QPSK	1	1	23.11	23.42	23.33			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.2	0.0	
40	QPSK	1	1	23.14	23.41	23.33			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.2	0.0	
20	QPSK	1	1	23.11	23.40	23.36			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2493.51	2592.99	2682.48	24.2	0.0	
15	QPSK	1	1	23.11	23.40	23.33			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.2	0.0	
10	QPSK	1	1	23.12	23.45	23.35			

FCC_n41_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	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	15.41	15.47	15.45	16.45	0.00	
100	Pi2 BPSK	1	137	15.40	15.51	15.39			
100	Pi2 BPSK	1	271	15.46	15.45	15.36			
100	Pi2 BPSK	135	0	15.48	15.46	15.36	16.45	0.00	
100	Pi2 BPSK	135	69	15.43	15.52	15.43	16.45	0.00	
100	Pi2 BPSK	135	138	15.49	15.49	15.38	16.45	0.00	
100	Pi2 BPSK	270	0	15.48	15.49	15.39	16.45	0.00	
100	QPSK	1	1	15.44	15.48	15.36			
100	QPSK	1	137	15.55	15.57	15.52			
100	QPSK	1	271	15.40	15.41	15.40	16.45	0.00	
100	QPSK	135	0	15.44	15.40	15.40			
100	QPSK	135	69	15.50	15.53	15.48			
100	QPSK	135	138	15.36	15.46	15.35	16.45	0.00	
100	QPSK	270	0	15.44	15.47	15.35			
100	16QAM	1	1	15.47	15.41	15.42			
100	64QAM	1	1	15.45	15.51	15.43	16.45	0.00	
100	256QAM	1	1	15.46	15.48	15.37	16.45	0.00	
Channel				508200	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	16.45	0.00	
90	QPSK	1	1	15.47	15.43	15.38			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	16.45	0.00	
80	QPSK	1	1	15.40	15.45	15.36			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	16.45	0.00	
60	QPSK	1	1	15.41	15.47	15.39			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	16.45	0.00	
50	QPSK	1	1	15.44	15.41	15.39			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	16.45	0.00	
40	QPSK	1	1	15.46	15.41	15.44			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	16.45	0.00	
20	QPSK	1	1	15.43	15.52	15.43			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2493.5	2592.99	2682.48	16.45	0.00	
15	QPSK	1	1	15.46	15.49	15.45			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	16.45	0.00	
10	QPSK	1	1	15.42	15.52	15.46			

FCC_n41_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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	21.04	21.11	20.95	22.7	0.0	
100	Pi2 BPSK	1	137	21.06	21.05	21.05			
100	Pi2 BPSK	1	271	21.08	21.08	21.04			
100	Pi2 BPSK	135	0	21.05	21.08	21.02	22.7	0.0	
100	Pi2 BPSK	135	69	21.00	21.09	20.97	22.7	0.0	
100	Pi2 BPSK	135	138	20.95	20.97	20.92	22.7	0.0	
100	Pi2 BPSK	270	0	20.93	20.95	20.90	22.7	0.0	
100	QPSK	1	1	21.06	21.12	20.96			
100	QPSK	1	137	21.15	21.18	21.10			
100	QPSK	1	271	21.07	21.09	21.04	22.7	0.0	
100	QPSK	135	0	21.06	21.02	21.05			
100	QPSK	135	69	21.12	21.15	21.09			
100	QPSK	135	138	20.99	21.07	20.94	22.2	0.5	
100	QPSK	270	0	20.92	20.94	20.90			
100	16QAM	1	1	20.33	20.35	20.30			
100	64QAM	1	1	18.92	18.95	18.89	20.7	2.0	
100	256QAM	1	1	17.40	17.43	17.37	18.7	4.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	22.7	0.0	
90	QPSK	1	1	21.06	21.13	20.94	22.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2646.99	22.7	0.0	
80	QPSK	1	1	21.07	21.10	20.96	22.7	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2656.98	22.7	0.0	
60	QPSK	1	1	21.03	21.11	21.03	22.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.02	2592.99	2664.99	22.7	0.0	
50	QPSK	1	1	21.01	21.05	21.00	22.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	22.7	0.0	
40	QPSK	1	1	21.01	21.13	20.95	22.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	22.7	0.0	
20	QPSK	1	1	21.01	21.12	20.95	22.7	0.0	
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.2	2592.99	2682.43	22.7	0.0	
15	QPSK	1	1	21.02	21.09	20.94	22.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	22.7	0.0	
10	QPSK	1	1	21.05	21.05	20.94	22.7	0.0	

Reduced Power for DSI 5

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	22.91	22.94	22.89	24.2	0.0
20	Pi2 BPSK	1	53	22.84	22.90	22.85		
20	Pi2 BPSK	1	104	22.81	22.83	22.80		
20	Pi2 BPSK	50	0	22.45	22.50	22.43	23.7	0.5
20	Pi2 BPSK	50	28	22.89	22.93	22.86	24.2	0.0
20	Pi2 BPSK	50	56	22.40	22.45	22.42	23.7	0.5
20	Pi2 BPSK	100	0	22.37	22.42	22.41		
20	QPSK	1	1	22.91	22.96	22.93	24.2	0.0
20	QPSK	1	53	22.90	22.94	22.90		
20	QPSK	1	104	22.86	22.90	22.86		
20	QPSK	50	0	21.88	21.91	21.90	23.2	1.0
20	QPSK	50	28	22.06	22.91	22.85	24.2	0.0
20	QPSK	50	56	21.89	21.92	21.90	23.2	1.0
20	QPSK	100	0	21.85	21.88	21.83		
20	16QAM	1	1	21.69	21.71	21.70	23.2	1.0
20	64QAM	1	1	20.20	20.23	20.20	21.7	2.5
20	256QAM	1	1	18.88	18.90	18.88	19.7	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0
15	QPSK	1	1	22.89	22.96	22.89	24.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.2	0.0
10	QPSK	1	1	22.77	22.84	22.78	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0
5	QPSK	1	1	22.80	22.81	22.78	24.2	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	22.84	22.69	22.65	24.2	0.0
20	Pi2 BPSK	1	53	22.67	22.68	22.67		
20	Pi2 BPSK	1	104	22.86	22.70	22.67		
20	Pi2 BPSK	50	0	22.21	22.22	22.19	23.7	0.5
20	Pi2 BPSK	50	28	22.69	22.71	22.65	24.2	0.0
20	Pi2 BPSK	50	56	22.16	22.21	22.18	23.7	0.5
20	Pi2 BPSK	100	0	22.14	22.19	22.13		
20	QPSK	1	1	22.80	22.74	22.73	24.2	0.0
20	QPSK	1	53	22.65	22.71	22.67		
20	QPSK	1	104	22.81	22.66	22.65		
20	QPSK	50	0	21.64	21.66	21.66	23.2	1.0
20	QPSK	50	28	22.00	22.05	22.06	24.2	0.0
20	QPSK	50	56	21.82	21.87	21.81	23.2	1.0
20	QPSK	100	0	21.56	21.63	21.57		
20	16QAM	1	1	21.40	21.46	21.42	23.2	1.0
20	64QAM	1	1	19.91	19.96	19.94	21.7	2.5
20	256QAM	1	1	18.67	18.68	18.66	19.7	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0
15	QPSK	1	1	22.83	22.07	22.72	24.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.2	0.0
10	QPSK	1	1	22.67	22.70	22.68	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0
5	QPSK	1	1	22.62	22.73	22.68	24.2	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				502000	507000	512000		
Frequency (MHz)				2510	2515	2520		
20	Pi2 BPSK	1	1	21.48	21.51	21.54	22.2	0.0
20	Pi2 BPSK	1	53	21.49	21.60	21.53		
20	Pi2 BPSK	1	104	21.57	21.86	21.47		
20	Pi2 BPSK	50	0	21.48	21.55	21.51	22.2	0.0
20	Pi2 BPSK	50	28	21.47	21.56	21.47	22.2	0.0
20	Pi2 BPSK	50	56	21.54	21.56	21.53	22.2	0.0
20	Pi2 BPSK	100	0	21.56	21.51	21.44		
20	QPSK	1	1	21.53	21.87	21.80	22.2	0.0
20	QPSK	1	53	21.51	21.62	21.49		
20	QPSK	1	104	21.50	21.59	21.49		
20	QPSK	50	0	21.49	21.52	21.50	22.2	0.0
20	QPSK	50	28	21.56	21.63	21.60	22.2	0.0
20	QPSK	50	56	21.43	21.88	21.47	22.2	0.0
20	QPSK	100	0	21.48	21.54	21.50		
20	16QAM	1	1	21.48	21.81	21.52	22.2	0.0
20	64QAM	1	1	20.46	20.48	20.44	21.2	1.0
20	256QAM	1	1	18.96	19.03	18.99	19.2	3.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2515	2522.5	22.2	0.0
15	QPSK	1	1	21.56	21.54	21.48	22.2	0.0
Channel				500000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2515	2525	22.2	0.0
10	QPSK	1	1	21.56	21.60	21.47	22.2	0.0
Channel				500500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2515	2527.5	22.2	0.0
5	QPSK	1	1	21.47	21.53	21.49	22.2	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	18.7	0.0
Frequency (MHz)				22.0	23.5	25.0		
20	PI2 BPSK	1	1	18.03	18.08	17.87		
20	PI2 BPSK	1	53	18.08	18.12	17.95		
20	PI2 BPSK	1	104	18.07	18.06	17.88	18.7	0.0
20	PI2 BPSK	50	0	18.11	18.14	17.94		
20	PI2 BPSK	50	28	18.06	18.06	17.91		
20	PI2 BPSK	50	56	18.10	18.05	17.95		
20	PI2 BPSK	100	0	18.09	18.05	17.90	18.7	0.0
20	QPSK	1	1	18.16	18.20	18.02		
20	QPSK	1	53	18.03	18.05	17.87		
20	QPSK	1	104	18.00	18.12	17.89		
20	QPSK	50	0	17.92	18.06	17.86	18.7	0.0
20	QPSK	50	28	18.08	18.15	18.00		
20	QPSK	50	56	17.93	18.00	17.92		
20	QPSK	100	0	17.92	18.08	17.90		
20	16QAM	1	1	18.01	18.12	17.88	18.7	0.0
20	64QAM	1	1	18.00	18.06	17.86		
20	256QAM	1	1	18.08	18.14	17.89		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	18.7	0.0
15	QPSK	1	1	18.02	18.06	17.88	18.7	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.02	18.10	17.97		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	18.7	0.0
5	QPSK	1	1	18.09	18.14	17.95	18.7	0.0

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	20.7	0.0
Frequency (MHz)				22.0	23.5	25.0		
20	PI2 BPSK	1	1	19.20	19.15	19.19		
20	PI2 BPSK	1	53	19.23	19.18	19.15		
20	PI2 BPSK	1	104	19.21	19.24	19.16	20.7	0.0
20	PI2 BPSK	50	0	19.15	19.20	19.17		
20	PI2 BPSK	50	28	19.13	19.14	19.16		
20	PI2 BPSK	50	56	19.21	19.25	19.14		
20	PI2 BPSK	100	0	19.18	19.19	19.17	20.7	0.0
20	QPSK	1	1	19.26	19.30	19.26		
20	QPSK	1	53	19.16	19.25	19.13		
20	QPSK	1	104	19.15	19.16	19.17		
20	QPSK	50	0	19.15	19.19	19.16	20.7	0.0
20	QPSK	50	28	19.25	19.27	19.23		
20	QPSK	50	56	19.16	19.21	19.08		
20	QPSK	100	0	19.23	19.25	19.20		
20	16QAM	1	1	19.20	19.16	19.11	20.7	0.0
20	64QAM	1	1	19.23	19.14	19.20		
20	256QAM	1	1	17.88	17.60	17.96		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	20.7	0.0
15	QPSK	1	1	19.20	19.25	19.18	20.7	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.14	19.18	19.15		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	20.7	0.0
5	QPSK	1	1	19.12	19.19	19.17	20.7	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				344000	349000	354000	21.7	0.0
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	20.70	20.76	20.69		
20	PI2 BPSK	1	53	20.73	20.76	20.69		
20	PI2 BPSK	1	104	20.75	20.74	20.69	21.7	0.0
20	PI2 BPSK	50	0	20.80	20.81	20.68		
20	PI2 BPSK	50	28	20.77	20.76	20.67		
20	PI2 BPSK	50	56	20.75	20.81	20.73		
20	PI2 BPSK	100	0	20.73	20.84	20.74	21.7	0.0
20	QPSK	1	1	20.85	20.90	20.83		
20	QPSK	1	53	20.79	20.74	20.72		
20	QPSK	1	104	20.77	20.83	20.72		
20	QPSK	50	0	20.74	20.83	20.75	21.7	0.0
20	QPSK	50	28	20.82	20.88	20.80		
20	QPSK	50	56	20.88	20.79	20.75		
20	QPSK	100	0	20.89	20.73	20.70		
20	16QAM	1	1	20.75	20.81	20.75	21.7	0.0
20	64QAM	1	1	20.97	20.61	20.99		
20	256QAM	1	1	19.16	19.21	19.16		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	21.7	0.0
15	QPSK	1	1	20.69	20.79	20.71	21.7	0.0
Channel				343000	349000	354000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.79	20.78	20.67		
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	21.7	0.0
5	QPSK	1	1	20.70	20.75	20.73	21.7	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				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	P12 BPSK	1	1	19.95	19.99	19.92		20.7	0.0	
20	P12 BPSK	1	53	19.98	20.05	20.00				
20	P12 BPSK	1	104	19.89	20.04	19.92				
20	P12 BPSK	50	0	19.88	19.95	20.01	20.7	0.0		
20	P12 BPSK	50	28	19.91	20.05	19.92	20.7	0.0		
20	P12 BPSK	50	56	19.95	19.99	19.92	20.7	0.0		
20	P12 BPSK	100	0	19.88	20.03	19.96				
20	QPSK	1	1	20.03	20.11	20.06				
20	QPSK	1	53	19.88	19.97	19.95	20.7	0.0		
20	QPSK	1	104	19.95	19.96	19.95				
20	QPSK	50	0	19.93	19.92	19.92	20.7	0.0		
20	QPSK	50	28	20.00	20.07	20.03	20.7	0.0		
20	QPSK	50	56	19.87	19.96	19.96	20.7	0.0		
20	QPSK	100	0	19.93	19.99	19.93				
20	16QAM	1	1	19.89	20.05	19.92	20.7	0.0		
20	64QAM	1	1	19.87	20.01	19.98	20.7	0.0		
20	256QAM	1	1	19.41	19.43	19.41	19.7	1.0		
Channel				343500	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	19.90	20.06	20.00	20.7	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	19.93	19.95	19.99	20.7	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	19.88	20.05	19.96	20.7	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				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	P12 BPSK	1	1	21.92	21.95	21.90		23.2	0.0	
20	P12 BPSK	1	53	21.90	21.93	21.88				
20	P12 BPSK	1	104	21.91	21.93	21.89				
20	P12 BPSK	50	0	21.48	21.51	21.45	22.7	0.5		
20	P12 BPSK	50	28	21.98	22.02	21.93	23.2	0.0		
20	P12 BPSK	50	56	21.49	21.53	21.45	22.7	0.5		
20	P12 BPSK	100	0	21.55	21.58	21.53				
20	QPSK	1	1	22.05	22.08	22.03				
20	QPSK	1	53	21.85	21.89	21.83	23.2	0.0		
20	QPSK	1	104	21.90	21.93	21.88				
20	QPSK	50	0	20.98	21.01	20.95	23.2	1.0		
20	QPSK	50	28	22.02	22.04	22.01	23.2	0.0		
20	QPSK	50	56	20.97	21.00	20.93	23.2	1.0		
20	QPSK	100	0	21.01	21.03	20.98				
20	16QAM	1	1	20.68	20.72	20.65	22.2	1.0		
20	64QAM	1	1	19.30	19.33	19.28	20.7	2.5		
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000	22.7	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	21.73	21.76	21.88	22.7	0.0	
20	PI2 BPSK	1	26	21.73	21.77	21.89			
20	PI2 BPSK	1	49	21.68	21.71	21.82			
20	PI2 BPSK	25	0	21.65	21.79	21.87	22.7	0.0	
20	PI2 BPSK	25	13	21.76	21.79	21.73	22.7	0.0	
20	PI2 BPSK	25	26	21.70	21.70	21.89	22.7	0.0	
20	PI2 BPSK	50	0	21.70	21.70	21.83			
20	QPSK	1	1	21.81	21.85	21.76	22.7	0.0	
20	QPSK	1	26	21.75	21.75	21.72			
20	QPSK	1	49	21.68	21.80	21.83			
20	QPSK	25	0	21.62	21.75	21.83	22.7	0.0	
20	QPSK	25	13	21.79	21.83	21.75			
20	QPSK	25	26	21.72	21.72	21.85			
20	QPSK	50	0	21.70	21.71	21.86	22.7	0.0	
20	16QAM	1	1	21.66	21.75	21.73	22.7	0.0	
20	64QAM	1	1	20.57	20.58	20.52	21.7	1.0	
20	256QAM	1	1	19.11	19.18	19.11	19.7	3.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.7	0.0	
15	QPSK	1	1	21.76	21.77	21.82	22.7	0.0	
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.7	0.0	
10	QPSK	1	1	21.75	21.79	21.66	22.7	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	519000	522000	18.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	17.40	17.38	17.29	18.2	0.0	
20	PI2 BPSK	1	26	17.34	17.32	17.30			
20	PI2 BPSK	1	49	17.38	17.35	17.32			
20	PI2 BPSK	25	0	17.37	17.40	17.28	18.2	0.0	
20	PI2 BPSK	25	13	17.37	17.42	17.33	18.2	0.0	
20	PI2 BPSK	25	26	17.39	17.35	17.32	18.2	0.0	
20	PI2 BPSK	50	0	17.33	17.41	17.29			
20	QPSK	1	1	17.45	17.48	17.42	18.2	0.0	
20	QPSK	1	26	17.37	17.35	17.30			
20	QPSK	1	49	17.32	17.40	17.33			
20	QPSK	25	0	17.29	17.31	17.25	18.2	0.0	
20	QPSK	25	13	17.43	17.48	17.40			
20	QPSK	25	26	17.29	17.34	17.35			
20	QPSK	50	0	17.29	17.39	17.32	18.2	0.0	
20	16QAM	1	1	17.38	17.35	17.31	18.2	0.0	
20	64QAM	1	1	17.38	17.36	17.27	18.2	0.0	
20	256QAM	1	1	17.26	17.31	17.27	18.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	18.2	0.0	
15	QPSK	1	1	17.34	17.41	17.26	18.2	0.0	
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	18.2	0.0	
10	QPSK	1	1	17.31	17.33	17.27	18.2	0.0	

n38_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				516000	519000	522000	19.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	17.58	17.58	17.52	19.2	0.0	
20	PI2 BPSK	1	26	17.54	17.59	17.54			
20	PI2 BPSK	1	49	17.63	17.60	17.52			
20	PI2 BPSK	25	0	17.53	17.57	17.51	19.2	0.0	
20	PI2 BPSK	25	13	17.52	17.59	17.60	19.2	0.0	
20	PI2 BPSK	25	26	17.58	17.61	17.49	19.2	0.0	
20	PI2 BPSK	50	0	17.58	17.58	17.58			
20	QPSK	1	1	17.68	17.70	17.65	19.2	0.0	
20	QPSK	1	26	17.53	17.62	17.58			
20	QPSK	1	49	17.62	17.64	17.59			
20	QPSK	25	0	17.56	17.62	17.51	19.2	0.0	
20	QPSK	25	13	17.65	17.67	17.63			
20	QPSK	25	26	17.59	17.61	17.57			
20	QPSK	50	0	17.61	17.64	17.56	19.2	0.0	
20	16QAM	1	1	17.63	17.55	17.53	19.2	0.0	
20	64QAM	1	1	17.52	17.60	17.49	19.2	0.0	
20	256QAM	1	1	17.52	17.54	17.50	18.7	0.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	19.2	0.0	
15	QPSK	1	1	17.61	17.55	17.53	19.2	0.0	
Channel				515504	519000	522596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	19.2	0.0	
10	QPSK	1	1	17.57	17.55	17.49	19.2	0.0	



FCC_n41_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				506202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	19.74	19.93	19.75		20.95	0.00	
100	P12 BPSK	1	137	19.78	19.95	19.78				
100	P12 BPSK	1	271	19.76	19.92	19.82				
100	P12 BPSK	135	0	19.77	19.88	19.80	20.95	0.00		
100	P12 BPSK	135	69	19.74	19.89	19.74	20.95	0.00		
100	P12 BPSK	135	138	19.72	19.88	19.79	20.95	0.00		
100	P12 BPSK	270	0	19.70	19.92	19.74				
100	QPSK	1	1	19.74	19.86	19.73		20.95	0.00	
100	QPSK	1	137	19.53	20.01	19.59				
100	QPSK	1	271	19.70	19.92	19.73				
100	QPSK	135	0	19.66	19.76	19.82		20.95	0.00	
100	QPSK	135	69	19.50	19.91	19.53				
100	QPSK	135	138	19.66	19.79	19.78				
100	QPSK	270	0	19.69	19.91	19.67	20.95	0.00		
100	16QAM	1	1	19.67	19.94	19.82	20.95	0.00		
100	64QAM	1	1	19.74	19.88	19.80	20.95	0.00		
100	256QAM	1	1	19.04	18.93	18.88	19.70	1.25		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	19.71	19.86	19.77	20.95	0.00		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	19.72	19.92	19.84	20.95	0.00		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	19.69	19.91	19.74	20.95	0.00		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	19.77	19.96	19.75	20.95	0.00		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	19.69	19.93	19.73	20.95	0.00		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	19.73	19.89	19.83	20.95	0.00		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	19.70	19.94	19.73	20.95	0.00		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	19.74	19.91	19.81	20.95	0.00		

FCC_n41_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	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	17.39	17.46	17.36		18.45	0.00	
100	P12 BPSK	1	137	17.39	17.45	17.32				
100	P12 BPSK	1	271	17.44	17.39	17.37				
100	P12 BPSK	135	0	17.46	17.39	17.40	18.45	0.00		
100	P12 BPSK	135	69	17.42	17.39	17.42	18.45	0.00		
100	P12 BPSK	135	138	17.43	17.44	17.43		18.45	0.00	
100	P12 BPSK	270	0	17.39	17.43	17.38				
100	QPSK	1	1	17.42	17.40	17.42				
100	QPSK	1	137	17.51	17.55	17.48		18.45	0.00	
100	QPSK	1	271	17.35	17.39	17.39				
100	QPSK	135	0	17.34	17.38	17.25				
100	QPSK	135	69	17.43	17.48	17.39		18.45	0.00	
100	QPSK	135	138	17.28	17.43	17.24				
100	QPSK	270	0	17.37	17.36	17.32	18.45	0.00		
100	16QAM	1	1	17.44	17.40	17.40	18.45	0.00		
100	64QAM	1	1	17.35	17.44	17.33	18.45	0.00		
100	256QAM	1	1	17.40	17.42	17.42	18.45	0.00		
Channel				508200	518598	529996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	17.40	17.43	17.33	18.45	0.00		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	17.38	17.39	17.40	18.45	0.00		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	17.40	17.46	17.38	18.45	0.00		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	17.41	17.50	17.35	18.45	0.00		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	17.39	17.41	17.36	18.45	0.00		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	17.39	17.50	17.43	18.45	0.00		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	17.44	17.36	17.38	18.45	0.00		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	17.41	17.45	17.39	18.45	0.00		

FCC_n41_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				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	P12 BPSK	1	1	16.59	16.54	16.53		18.45	0.00	
100	P12 BPSK	1	137	16.55	16.61	16.50				
100	P12 BPSK	1	271	16.49	16.54	16.51				
100	P12 BPSK	135	0	16.49	16.57	16.55	18.45	0.00		
100	P12 BPSK	135	69	16.54	16.63	16.50	18.45	0.00		
100	P12 BPSK	135	138	16.54	16.55	16.52		18.45	0.00	
100	P12 BPSK	270	0	16.55	16.55	16.52				
100	QPSK	1	1	16.59	16.58	16.55				
100	QPSK	1	137	16.55	16.65	16.50		18.45	0.00	
100	QPSK	1	271	16.49	16.52	16.45				
100	QPSK	135	0	16.55	16.57	16.46				
100	QPSK	135	69	16.52	16.64	16.55		18.45	0.00	
100	QPSK	135	138	16.49	16.52	16.46				
100	QPSK	270	0	16.57	16.61	16.55	18.45	0.00		
100	16QAM	1	1	16.59	16.57	16.46	18.45	0.00		
100	64QAM	1	1	16.51	16.61	16.52	18.45	0.00		
100	256QAM	1	1	16.54	16.58	16.54	18.45	0.00		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	16.58	16.57	16.47	18.45	0.00		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	16.56	16.61	16.50	18.45	0.00		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	16.57	16.62	16.55	18.45	0.00		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	16.55	16.58	16.53	18.45	0.00		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	16.53	16.54	16.54	18.45	0.00		
Channel				502204	518598	535996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510.02	2592.99	2679.99				
20	QPSK	1	1	16.57	16.60	16.55	18.45	0.00		
Channel				501070	518598	536496	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.1	2592.99	2672.43				
15	QPSK	1	1	16.51	16.61	16.45	18.45	0.00		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.01	2592.99	2685				
10	QPSK	1	1	16.57	16.58	16.52	18.45	0.00		

Reduced Power for DSI 6

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				166000	167300	167600	24.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.91	22.94	22.89			
20	PI2 BPSK	1	53	22.84	22.90	22.85	23.7	0.5	
20	PI2 BPSK	1	104	22.81	22.83	22.80			
20	PI2 BPSK	50	0	22.45	22.50	22.43			
20	PI2 BPSK	50	28	22.85	22.83	22.86	23.7	0.5	
20	PI2 BPSK	50	56	22.40	22.45	22.42			
20	PI2 BPSK	100	0	22.37	22.42	22.41			
20	QPSK	1	1	22.91	22.96	22.93	24.2	0.0	
20	QPSK	1	53	22.90	22.94	22.90			
20	QPSK	1	104	22.86	22.90	22.86			
20	QPSK	50	0	21.88	21.91	21.90	23.2	1.0	
20	QPSK	50	28	22.56	22.91	22.81			
20	QPSK	50	56	21.89	21.92	21.90			
20	QPSK	100	0	21.85	21.88	21.83	23.2	1.0	
20	16QAM	1	1	21.05	21.71	21.70			
20	64QAM	1	1	20.20	20.23	20.20			
20	256QAM	1	1	18.88	18.90	18.88	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0	
15	QPSK	1	1	22.89	22.95	22.89			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.2	0.0	
10	QPSK	1	1	22.77	22.84	22.78			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0	
5	QPSK	1	1	22.80	22.81	22.76			

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	20.95	0.0	
Frequency (MHz)				844	836.5	838			
20	PI2 BPSK	1	1	19.17	19.21	19.12			
20	PI2 BPSK	1	53	19.13	19.22	19.16	20.95	0.0	
20	PI2 BPSK	1	104	19.18	19.19	19.13			
20	PI2 BPSK	50	0	19.18	19.14	19.18			
20	PI2 BPSK	50	28	19.17	19.16	19.18	20.95	0.0	
20	PI2 BPSK	50	56	19.17	19.18	19.18			
20	PI2 BPSK	100	0	19.21	19.18	19.14			
20	QPSK	1	1	19.27	19.30	19.25	20.95	0.0	
20	QPSK	1	53	19.14	19.18	19.16			
20	QPSK	1	104	19.16	19.16	19.10			
20	QPSK	50	0	19.07	19.16	19.14	20.95	0.0	
20	QPSK	50	28	19.23	19.26	19.20			
20	QPSK	50	56	19.14	19.10	19.05			
20	QPSK	100	0	19.09	19.15	19.07	20.95	0.0	
20	16QAM	1	1	19.16	19.21	19.15			
20	64QAM	1	1	19.14	19.23	19.11			
20	256QAM	1	1	18.87	18.68	18.66	19.70	1.25	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	20.95	0.00	
15	QPSK	1	1	19.11	19.16	19.14			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	20.95	0.00	
10	QPSK	1	1	19.22	19.21	19.19			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	20.95	0.00	
5	QPSK	1	1	19.18	19.19	19.11			

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				502000	507000	512000	23.7	0.0	
Frequency (MHz)				2416	2435	2440			
20	PI2 BPSK	1	1	23.10	23.13	23.09			
20	PI2 BPSK	1	53	23.07	23.11	23.10	23.2	0.5	
20	PI2 BPSK	1	104	23.04	23.07	23.01			
20	PI2 BPSK	50	0	22.83	22.70	22.69			
20	PI2 BPSK	50	28	23.05	23.11	23.08	23.2	0.5	
20	PI2 BPSK	50	56	22.84	22.67	22.61			
20	PI2 BPSK	100	0	22.82	22.67	22.62			
20	QPSK	1	1	23.19	23.25	23.13	23.7	0.0	
20	QPSK	1	53	23.06	23.15	23.12			
20	QPSK	1	104	22.99	23.05	23.04			
20	QPSK	50	0	22.15	22.18	22.14	22.7	1.0	
20	QPSK	50	28	23.05	23.14	23.07			
20	QPSK	50	56	22.09	22.12	22.05			
20	QPSK	100	0	22.08	22.15	22.12	22.7	1.0	
20	16QAM	1	1	21.80	21.85	21.78			
20	64QAM	1	1	20.48	20.48	20.44			
20	256QAM	1	1	18.96	19.03	18.99	19.2	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.7	0.0	
15	QPSK	1	1	23.07	23.11	23.01			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.7	0.0	
10	QPSK	1	1	23.04	23.08	22.98			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2535	2567.5	23.7	0.0	
5	QPSK	1	1	23.03	23.14	22.96			

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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				502000	507000	512000	14.7	0.0
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	14.03	14.08	13.87	14.7	0.0
20	PI2 BPSK	1	53	14.08	14.12	13.95		
20	PI2 BPSK	1	104	14.07	14.06	13.88		
20	PI2 BPSK	50	0	14.11	14.14	13.94	14.7	0.0
20	PI2 BPSK	50	28	14.06	14.06	13.91	14.7	0.0
20	PI2 BPSK	50	56	14.10	14.05	13.95	14.7	0.0
20	PI2 BPSK	100	0	14.09	14.05	13.90		
20	QPSK	1	1	14.16	14.20	14.02	14.7	0.0
20	QPSK	1	53	14.03	14.05	13.87		
20	QPSK	1	104	14.00	14.12	13.88		
20	QPSK	50	0	13.92	14.06	13.86	14.7	0.0
20	QPSK	50	28	14.06	14.15	14.00	14.7	0.0
20	QPSK	50	56	13.93	14.00	13.92	14.7	0.0
20	QPSK	100	0	13.92	14.08	13.90		
20	16QAM	1	1	14.01	14.12	13.88	14.7	0.0
20	64QAM	1	1	14.00	14.06	13.86	14.7	0.0
20	256QAM	1	1	14.08	14.14	13.89	14.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.02	14.06	13.88	14.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.02	14.10	13.97	14.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2499.5	2535	2569.5		
5	QPSK	1	1	14.09	14.14	13.95	14.7	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				502000	507000	512000	23.2	0.0
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	21.68	21.68	21.63	23.2	0.0
20	PI2 BPSK	1	53	21.68	21.65	21.63		
20	PI2 BPSK	1	104	21.59	21.64	21.64		
20	PI2 BPSK	50	0	21.15	21.16	21.07	22.7	0.5
20	PI2 BPSK	50	28	21.59	21.67	21.61	23.2	0.0
20	PI2 BPSK	50	56	21.12	21.14	21.16	22.7	0.5
20	PI2 BPSK	100	0	21.10	21.15	21.08		
20	QPSK	1	1	21.75	21.78	21.72	23.2	0.0
20	QPSK	1	53	21.73	21.75	21.70		
20	QPSK	1	104	21.58	21.62	21.55		
20	QPSK	50	0	20.72	20.75	20.70	22.2	1.0
20	QPSK	50	28	21.70	21.73	21.66	23.2	0.0
20	QPSK	50	56	20.65	20.69	20.62	22.2	1.0
20	QPSK	100	0	20.67	20.70	20.65		
20	16QAM	1	1	20.43	20.47	20.41	22.2	1.0
20	64QAM	1	1	19.02	19.05	19.00	20.7	2.5
20	256QAM	1	1	17.58	17.60	17.56	18.7	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.69	21.66	21.65	23.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.64	21.72	21.56	23.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2499.5	2535	2569.5		
5	QPSK	1	1	21.68	21.70	21.58	23.2	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				344000	349000	354000	24.2	0.0
Frequency (MHz)				1120	1145	1170		
20	PI2 BPSK	1	1	23.23	23.30	23.26	24.2	0.0
20	PI2 BPSK	1	53	23.19	23.26	23.24		
20	PI2 BPSK	1	104	23.35	23.37	23.33		
20	PI2 BPSK	50	0	22.83	22.87	22.81	23.7	0.5
20	PI2 BPSK	50	28	23.32	23.35	23.30	24.2	0.0
20	PI2 BPSK	50	56	22.83	22.84	22.79	23.7	0.5
20	PI2 BPSK	100	0	22.86	22.87	22.82		
20	QPSK	1	1	23.35	23.38	23.36	24.2	0.0
20	QPSK	1	53	23.24	23.27	23.22		
20	QPSK	1	104	23.34	23.35	23.28		
20	QPSK	50	0	22.33	22.35	22.32	23.2	1.0
20	QPSK	50	28	23.25	23.36	23.34	24.2	0.0
20	QPSK	50	56	22.29	22.31	22.26	23.2	1.0
20	QPSK	100	0	22.34	22.35	22.28		
20	16QAM	1	1	21.97	22.04	22.03	23.2	1.0
20	64QAM	1	1	20.57	20.61	20.59	21.7	2.5
20	256QAM	1	1	19.16	19.21	19.16	19.7	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1117.5	1145	1172.5		
15	QPSK	1	1	23.18	23.25	23.19	24.2	0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1115	1145	1175		
10	QPSK	1	1	23.22	23.21	23.24	24.2	0.0
Channel				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1112.5	1145	1177.5		
5	QPSK	1	1	23.19	23.22	23.24	24.2	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	16.40	16.57	16.44	17.2	0.0	
20	PI2 BPSK	1	53	16.45	16.51	16.49			
20	PI2 BPSK	1	104	16.46	16.56	16.46			
20	PI2 BPSK	50	0	16.51	16.48	16.45	17.2	0.0	
20	PI2 BPSK	50	28	16.41	16.54	16.51	17.2	0.0	
20	PI2 BPSK	50	56	16.40	16.47	16.55	17.2	0.0	
20	PI2 BPSK	100	0	16.49	16.58	16.44			
20	QPSK	1	1	16.50	16.63	16.60			
20	QPSK	1	53	16.51	16.52	16.51	17.2	0.0	
20	QPSK	1	104	16.50	16.52	16.51			
20	QPSK	50	0	16.43	16.51	16.48	17.2	0.0	
20	QPSK	50	28	16.50	16.57	16.53	17.2	0.0	
20	QPSK	50	56	16.36	16.47	16.37	17.2	0.0	
20	QPSK	100	0	16.44	16.45	16.42			
20	16QAM	1	1	16.41	16.47	16.52	17.2	0.0	
20	64QAM	1	1	16.42	16.54	16.50	17.2	0.0	
20	256QAM	1	1	16.43	16.49	16.52	17.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.46	16.52	16.44	17.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.49	16.56	16.52	17.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	16.49	16.47	16.54	17.2	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.92	21.95	21.90	23.2	0.0	
20	PI2 BPSK	1	53	21.90	21.93	21.88			
20	PI2 BPSK	1	104	21.91	21.93	21.89			
20	PI2 BPSK	50	0	21.48	21.51	21.45	22.7	0.5	
20	PI2 BPSK	50	28	21.98	22.02	21.93	23.2	0.0	
20	PI2 BPSK	50	56	21.49	21.53	21.45	22.7	0.5	
20	PI2 BPSK	100	0	21.55	21.58	21.53			
20	QPSK	1	1	22.00	22.06	22.03			
20	QPSK	1	53	21.85	21.89	21.83	23.2	0.0	
20	QPSK	1	104	21.90	21.93	21.88			
20	QPSK	50	0	20.98	21.01	20.95	22.2	1.0	
20	QPSK	50	28	22.02	22.04	22.01	23.2	0.0	
20	QPSK	50	56	20.97	21.00	20.93	22.2	1.0	
20	QPSK	100	0	21.01	21.03	20.98			
20	16QAM	1	1	20.68	20.72	20.65	22.2	1.0	
20	64QAM	1	1	19.30	19.33	19.28	20.7	2.5	
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5	
Channel				343500	349000	354500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000	24.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.20	23.21	23.20			
20	PI2 BPSK	1	26	23.15	23.20	23.19			
20	PI2 BPSK	1	49	23.25	23.31	23.26	23.7	0.5	
20	PI2 BPSK	25	0	22.78	22.79	22.73			
20	PI2 BPSK	25	13	23.22	23.27	23.25			
20	PI2 BPSK	25	26	23.27	23.31	23.26			
20	PI2 BPSK	50	0	22.35	22.35	22.43	23.7	0.5	
20	QPSK	1	1	23.31	23.24	23.35			
20	QPSK	1	26	23.25	23.26	23.20			
20	QPSK	1	49	23.26	23.31	23.28			
20	QPSK	25	0	22.36	22.40	22.42	24.2	0.0	
20	QPSK	25	13	23.26	23.30	23.27			
20	QPSK	25	26	23.25	23.29	23.25			
20	QPSK	50	0	22.31	22.26	22.26			
20	16QAM	1	1	21.93	21.97	21.91	23.2	1.0	
20	64QAM	1	1	20.57	20.58	20.52			
20	256QAM	1	1	19.11	19.18	19.11			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.24	23.30	23.27			
Channel				519004	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.24	23.32	23.29			

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				516000	519000	522000	14.7	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	13.81	13.83	13.86			
20	PI2 BPSK	1	26	13.79	13.82	13.85			
20	PI2 BPSK	1	49	13.85	13.93	13.78	14.7	0.0	
20	PI2 BPSK	25	0	13.85	13.88	13.86			
20	PI2 BPSK	25	13	13.84	13.83	13.87			
20	PI2 BPSK	25	26	13.86	13.91	13.79			
20	PI2 BPSK	50	0	13.81	13.88	13.77	14.7	0.0	
20	QPSK	1	1	13.95	13.98	13.90			
20	QPSK	1	26	13.87	13.91	13.79			
20	QPSK	1	49	13.86	13.88	13.85			
20	QPSK	25	0	13.78	13.83	13.79	14.7	0.0	
20	QPSK	25	13	13.82	13.95	13.90			
20	QPSK	25	26	13.78	13.90	13.77			
20	QPSK	50	0	13.86	13.98	13.77			
20	16QAM	1	1	13.83	13.83	13.80	14.7	0.0	
20	64QAM	1	1	13.88	13.90	13.83			
20	256QAM	1	1	13.82	13.82	13.79			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	13.80	13.87	13.79			
Channel				519004	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.84	13.83	13.83			

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				516000	519000	522000	21.2	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	19.51	19.54	19.52			
20	PI2 BPSK	1	26	19.58	19.63	19.57			
20	PI2 BPSK	1	49	19.55	19.62	19.59	19.56	21.2	
20	PI2 BPSK	25	0	19.55	19.62	19.56			
20	PI2 BPSK	25	13	19.59	19.59	19.59			
20	PI2 BPSK	25	26	19.56	19.57	19.52			
20	PI2 BPSK	50	0	19.53	19.57	19.58	19.57	21.2	
20	QPSK	1	1	19.67	19.69	19.65			
20	QPSK	1	26	19.58	19.55	19.52			
20	QPSK	1	49	19.52	19.55	19.50			
20	QPSK	25	0	19.54	19.52	19.54	19.54	21.2	
20	QPSK	25	13	19.64	19.66	19.62			
20	QPSK	25	26	19.48	19.55	19.47			
20	QPSK	50	0	19.60	19.63	19.57			
20	16QAM	1	1	19.61	19.61	19.51	19.51	21.2	
20	64QAM	1	1	18.95	18.98	18.92			
20	256QAM	1	1	17.52	17.54	17.50			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.55	19.60	19.55			
Channel				519004	519000	522096			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.53	19.53	19.59			



FCC_n41_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				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	23.36	23.04	23.00	24.2	0.0	
100	Pi2 BPSK	1	137	23.21	23.39	23.34			
100	Pi2 BPSK	1	271	23.36	23.38	23.36			
100	Pi2 BPSK	135	0	22.78	22.80	22.73	23.7	0.5	
100	Pi2 BPSK	135	69	23.33	23.35	23.29	24.2	0.0	
100	Pi2 BPSK	135	138	22.73	22.84	22.79	23.7	0.5	
100	Pi2 BPSK	270	0	22.68	22.74	22.67			
100	QPSK	1	1	23.20	23.11	23.29	24.2	0.0	
100	QPSK	1	137	23.26	23.46	23.40			
100	QPSK	1	271	23.17	23.38	23.36			
100	QPSK	135	0	22.29	22.22	22.26	24.2	0.0	
100	QPSK	135	69	23.25	23.32	23.29			
100	QPSK	135	138	22.23	22.30	22.27			
100	QPSK	270	0	22.13	22.19	22.14	23.2	1.0	
100	16QAM	1	1	22.07	21.90	21.84	23.2	1.0	
100	64QAM	1	1	20.85	20.45	20.39	21.7	2.5	
100	256QAM	1	1	19.04	18.93	18.88	19.7	4.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.12	23.39	23.37	24.2	0.0	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.12	23.43	23.33	24.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.11	23.40	23.35	24.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	23.11	23.42	23.33	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670			
40	QPSK	1	1	23.14	23.41	23.33	24.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	23.11	23.40	23.35	24.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2692.99	2682.48			
15	QPSK	1	1	23.11	23.40	23.33	24.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.12	23.45	23.35	24.2	0.0	

FCC_n41_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	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	14.38	14.46	14.40	15.45	0.00	
100	Pi2 BPSK	1	137	14.45	14.44	14.42			
100	Pi2 BPSK	1	271	14.42	14.49	14.41			
100	Pi2 BPSK	135	0	14.45	14.44	14.40	15.45	0.00	
100	Pi2 BPSK	135	69	14.46	14.49	14.42	15.45	0.00	
100	Pi2 BPSK	135	138	14.39	14.46	14.40	15.45	0.00	
100	Pi2 BPSK	270	0	14.36	14.47	14.32			
100	QPSK	1	1	14.39	14.51	14.36	15.45	0.00	
100	QPSK	1	137	14.51	14.59	14.48			
100	QPSK	1	271	14.45	14.48	14.42			
100	QPSK	135	0	14.31	14.49	14.31	15.45	0.00	
100	QPSK	135	69	14.45	14.53	14.42			
100	QPSK	135	138	14.35	14.46	14.31			
100	QPSK	270	0	14.39	14.37	14.37	16.46	0.00	
100	16QAM	1	1	14.45	14.46	14.36	15.45	0.00	
100	64QAM	1	1	14.39	14.43	14.38	15.45	0.00	
100	256QAM	1	1	14.42	14.52	14.38	15.45	0.00	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.46	14.50	14.33	15.45	0.00	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.35	14.46	14.42	15.45	0.00	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.46	14.49	14.40	15.45	0.00	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	14.36	14.46	14.41	15.45	0.00	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670			
40	QPSK	1	1	14.40	14.45	14.32	15.45	0.00	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	14.45	14.52	14.32	15.45	0.00	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2603.5	2592.99	2682.48			
15	QPSK	1	1	14.44	14.44	14.33	15.45	0.00	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	14.41	14.49	14.33	15.45	0.00	

FCC_n41_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				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	21.04	21.11	20.95	22.7	0.0	
100	Pi2 BPSK	1	137	21.06	21.08	21.05			
100	Pi2 BPSK	1	271	21.08	21.08	21.04			
100	Pi2 BPSK	135	0	21.05	21.08	21.02	22.7	0.0	
100	Pi2 BPSK	135	69	21.00	21.09	20.97	22.7	0.0	
100	Pi2 BPSK	135	138	20.95	20.97	20.92	22.7	0.0	
100	Pi2 BPSK	270	0	20.93	20.95	20.90			
100	QPSK	1	1	21.06	21.12	20.96	22.7	0.0	
100	QPSK	1	137	21.15	21.18	21.10			
100	QPSK	1	271	21.07	21.09	21.04			
100	QPSK	135	0	21.06	21.02	21.05	22.7	0.0	
100	QPSK	135	69	21.12	21.15	21.09			
100	QPSK	135	138	20.99	21.07	20.94			
100	QPSK	270	0	20.92	20.94	20.90	22.2	0.5	
100	16QAM	1	1	20.33	20.35	20.30	22.2	0.5	
100	64QAM	1	1	18.92	18.95	18.89	20.7	2.0	
100	256QAM	1	1	17.40	17.43	17.37	18.7	4.0	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.06	21.13	20.94	22.7	0.0	
Channel				507204	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2547	2592.99	2646.99			
80	QPSK	1	1	21.07	21.10	20.96	22.7	0.0	
Channel				508200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2556	2592.99	2656.98			
60	QPSK	1	1	21.03	21.11	21.03	22.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.10	21.05	21.00	22.7	0.0	
Channel				503202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.01	21.13	20.95	22.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.01	21.12	20.95	22.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.03	2592.99	2682.43			
15	QPSK	1	1	21.03	21.08	20.94	22.7	0.0	
Channel				250202	535998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.05	21.05	20.94	22.7	0.0	



Full&Default NSA Power

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Middle Co. / Freq.	Power High Co. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166600	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.64	22.69	22.65	24.2	0.0	
20	Pl2 BPSK	1	53	22.67	22.68	22.67			
20	Pl2 BPSK	1	104	22.66	22.70	22.67			
20	Pl2 BPSK	50	0	22.21	22.22	22.19	23.7	0.5	
20	Pl2 BPSK	50	28	22.69	22.71	22.65	24.2	0.0	
20	Pl2 BPSK	50	56	22.15	22.21	22.18	23.7	0.5	
20	Pl2 BPSK	100	0	22.14	22.19	22.13			
20	QPSK	1	1	22.65	22.74	22.73	24.2	0.0	
20	QPSK	1	53	22.65	22.71	22.67			
20	QPSK	1	104	22.61	22.66	22.65			
20	QPSK	50	0	21.64	21.68	21.66	23.2	1.0	
20	QPSK	50	28	22.65	22.65	22.58	24.2	0.0	
20	QPSK	50	56	21.62	21.67	21.61	23.2	1.0	
20	QPSK	100	0	21.56	21.63	21.57			
20	16QAM	1	1	21.40	21.46	21.42	23.2	1.0	
20	64QAM	1	1	19.91	19.96	19.94	21.7	2.5	
20	256QAM	1	1	18.67	18.68	18.66	19.7	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.2	0.0	
15	QPSK	1	1	22.63	22.67	22.72			
Channel				165500	167300	168300			
Frequency (MHz)				826	836.5	844	24.2	0.0	
10	QPSK	1	1	22.67	22.70	22.68	24.2	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.2	0.0	
5	QPSK	1	1	22.62	22.73	22.68	24.2	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	Pl2 BPSK	1	1	23.60	23.61	23.57	24.2	0.0	
20	Pl2 BPSK	1	53	23.54	23.56	23.52			
20	Pl2 BPSK	1	104	23.41	23.48	23.42			
20	Pl2 BPSK	50	0	23.14	23.15	23.13	23.7	0.5	
20	Pl2 BPSK	50	28	23.53	23.54	23.53	24.2	0.0	
20	Pl2 BPSK	50	56	23.09	23.12	23.05	23.7	0.5	
20	Pl2 BPSK	100	0	23.06	23.12	23.06	24.2	0.0	
20	QPSK	1	1	23.63	23.68	23.67			
20	QPSK	1	53	23.55	23.59	23.53			
20	QPSK	1	104	23.45	23.48	23.51	23.2	1.0	
20	QPSK	50	0	22.58	22.62	22.46			
20	QPSK	50	28	23.57	23.59	23.46			
20	QPSK	50	56	22.63	22.58	22.45	23.2	1.0	
20	QPSK	100	0	22.58	22.59	22.45			
20	16QAM	1	1	22.31	22.37	22.23			
20	64QAM	1	1	20.83	20.88	20.73	21.7	2.5	
20	256QAM	1	1	19.47	19.53	19.41	19.7	4.5	
Channel				501500	507000	512500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.56	23.66	23.40	24.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.60	23.63	23.44	24.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.58	23.61	23.46	24.2	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	Pl2 BPSK	1	1	21.68	21.68	21.63	23.2	0.0	
20	Pl2 BPSK	1	53	21.68	21.65	21.63			
20	Pl2 BPSK	1	104	21.59	21.64	21.64			
20	Pl2 BPSK	50	0	21.15	21.16	21.07			
20	Pl2 BPSK	50	28	21.59	21.67	21.61	23.7	0.5	
20	Pl2 BPSK	50	56	21.12	21.14	21.16	23.2	0.0	
20	Pl2 BPSK	100	0	21.10	21.15	21.08	22.7	0.5	
20	QPSK	1	1	21.75	21.76	21.72	23.2	0.0	
20	QPSK	1	53	21.73	21.75	21.70			
20	QPSK	1	104	21.58	21.62	21.55			
20	QPSK	50	0	20.72	20.75	20.70			
20	QPSK	50	28	21.70	21.73	21.68	23.2	1.0	
20	QPSK	50	56	20.65	20.69	20.62	23.2	1.0	
20	QPSK	100	0	20.67	20.70	20.65	22.2	1.0	
20	16QAM	1	1	20.43	20.47	20.41	22.2	1.0	
20	64QAM	1	1	19.02	19.05	19.00	20.7	2.5	
20	256QAM	1	1	17.58	17.60	17.56	18.7	4.5	
Channel				501500	507000	512500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2507.5	2535	2562.5	23.2	0.0	
15	QPSK	1	1	21.69	21.66	21.65			
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.64	21.72	21.56	23.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2502.5	2535	2567.5	23.2	0.0	
5	QPSK	1	1	21.68	21.70	21.58			

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				344000	346000	354000	24.2	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.54	23.55	23.53		
20	PI/2 BPSK	1	53	23.51	23.55	23.50		
20	PI/2 BPSK	1	104	23.53	23.54	23.48	23.7	0.5
20	PI/2 BPSK	50	0	23.10	23.13	23.12	24.2	0.0
20	PI/2 BPSK	50	28	23.50	23.54	23.48	23.7	0.5
20	PI/2 BPSK	50	56	23.11	23.12	23.09	24.2	0.0
20	PI/2 BPSK	100	0	23.10	23.14	23.12	23.2	0.5
20	QPSK	1	1	23.46	23.51	23.49	24.2	0.0
20	QPSK	1	53	23.46	23.51	23.49		
20	QPSK	1	104	23.45	23.53	23.50		
20	QPSK	50	0	22.53	22.58	22.51		
20	QPSK	50	28	23.45	23.54	23.48	24.2	0.0
20	QPSK	50	56	22.52	22.57	22.50	23.2	1.0
20	QPSK	100	0	22.58	22.60	22.54	23.2	1.0
20	16QAM	1	1	22.22	22.27	22.24	23.2	1.0
20	64QAM	1	1	20.81	20.86	20.85	21.7	2.5
20	256QAM	1	1	19.41	19.43	19.41	19.7	4.5
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.45	23.58	23.52	24.2	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.46	23.52	23.55	24.2	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.47	23.58	23.57	24.2	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				344000	346000	354000	23.2	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.92	21.95	21.90		
20	PI/2 BPSK	1	53	21.90	21.93	21.88		
20	PI/2 BPSK	1	104	21.91	21.93	21.89	22.7	0.5
20	PI/2 BPSK	50	0	21.48	21.51	21.45	22.7	0.5
20	PI/2 BPSK	50	28	21.98	22.02	21.93	23.2	0.0
20	PI/2 BPSK	50	56	21.49	21.53	21.45	22.7	0.5
20	PI/2 BPSK	100	0	21.55	21.58	21.53	23.2	0.0
20	QPSK	1	1	21.85	21.99	21.83	23.2	0.0
20	QPSK	1	53	21.85	21.99	21.83		
20	QPSK	1	104	21.90	21.93	21.88		
20	QPSK	50	0	20.98	21.01	20.95		
20	QPSK	50	28	22.02	22.04	22.01	23.2	0.0
20	QPSK	50	56	20.97	21.00	20.93	22.2	1.0
20	QPSK	100	0	21.01	21.03	20.98	22.2	1.0
20	16QAM	1	1	20.68	20.72	20.65	20.7	2.5
20	64QAM	1	1	19.30	19.33	19.28	18.7	4.5
20	256QAM	1	1	17.82	17.84	17.78	18.7	4.5
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.95	21.98	21.92	23.2	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.90	21.92	21.89	23.2	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.93	21.95	21.90	23.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	23.36	23.39	23.33	24.2	0.0	
20	PI/2 BPSK	1	26	23.35	23.42	23.39			
20	PI/2 BPSK	1	49	23.35	23.42	23.40			
20	PI/2 BPSK	25	0	22.93	22.94	22.90	23.7	0.5	
20	PI/2 BPSK	25	13	23.38	23.41	23.34	24.2	0.0	
20	PI/2 BPSK	25	26	22.88	22.92	22.91	23.7	0.5	
20	PI/2 BPSK	50	0	22.88	22.90	22.83			
20	QPSK	1	1	23.43	23.45	23.37	24.2	0.0	
20	QPSK	1	26	23.35	23.40	23.34			
20	QPSK	1	49	23.33	23.38	23.34			
20	QPSK	25	0	22.39	22.45	22.39	24.2	0.0	
20	QPSK	25	13	23.40	23.43	23.36			
20	QPSK	25	26	22.38	22.43	22.39			
20	QPSK	50	0	22.38	22.43	22.37	23.2	1.0	
20	16QAM	1	1	22.13	22.18	22.14	23.2	1.0	
20	64QAM	1	1	20.65	20.72	20.65	21.7	2.5	
20	256QAM	1	1	19.26	19.31	19.27	19.7	4.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.39	23.41	23.31	24.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.39	23.39	23.36	24.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	21.51	21.54	21.49	23.2	0.0	
20	PI/2 BPSK	1	26	21.46	21.50	21.54			
20	PI/2 BPSK	1	49	21.53	21.50	21.52			
20	PI/2 BPSK	25	0	21.00	21.02	20.95	22.7	0.5	
20	PI/2 BPSK	25	13	21.46	21.50	21.49	23.2	0.0	
20	PI/2 BPSK	25	26	21.02	21.07	20.98	22.7	0.5	
20	PI/2 BPSK	50	0	20.98	20.99	21.00			
20	QPSK	1	1	21.62	21.65	21.60	23.2	0.0	
20	QPSK	1	26	21.58	21.61	21.55			
20	QPSK	1	49	21.53	21.57	21.50			
20	QPSK	25	0	20.62	20.67	20.60	23.2	0.0	
20	QPSK	25	13	21.60	21.63	21.58			
20	QPSK	25	26	20.60	20.64	20.57			
20	QPSK	50	0	20.65	20.67	20.62	22.2	1.0	
20	16QAM	1	1	20.35	20.39	20.33	22.2	1.0	
20	64QAM	1	1	18.95	18.98	18.92	20.7	2.5	
20	256QAM	1	1	17.62	17.64	17.50	18.7	4.5	
Channel				515502	519000	522498	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.57	21.57	21.47	23.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.46	21.56	21.45	23.2	0.0	



FCC_n41_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				505202	518598	528000	24.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.27	23.32	23.27			
100	PI/2 BPSK	1	137	23.45	23.51	23.45	23.7	0.5	
100	PI/2 BPSK	1	271	23.39	23.44	23.39			
100	PI/2 BPSK	135	0	22.86	22.87	22.86			
100	PI/2 BPSK	135	69	23.38	23.43	23.42	24.2	0.0	
100	PI/2 BPSK	135	138	22.83	22.80	22.88			
100	PI/2 BPSK	270	0	22.84	22.86	22.80			
100	QPSK	1	1	23.31	23.35	23.33	24.2	0.0	
100	QPSK	1	137	23.47	23.53	23.45			
100	QPSK	1	271	23.40	23.42	23.37			
100	QPSK	135	0	22.27	22.30	22.28	24.2	0.0	
100	QPSK	135	69	23.35	23.40	23.39			
100	QPSK	135	138	22.31	22.33	22.27			
100	QPSK	270	0	22.31	22.32	22.26	23.2	1.0	
100	16QAM	1	1	22.07	22.12	22.07	23.2	1.0	
100	64QAM	1	1	20.69	20.74	20.67	21.7	2.5	
100	256QAM	1	1	19.14	19.20	19.16	19.7	4.5	
Channel				505200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.44	23.50	23.39		24.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.44	23.49	23.38		24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.42	23.46	23.43		24.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.44	23.50	23.40		24.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.45	23.47	23.40		24.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.45	23.49	23.39		24.2	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.46	23.46	23.39		24.2	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.44	23.51	23.38		24.2	0.0

FCC_n41_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				509202	518598	528000	23.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.43	21.45	21.41			
100	PI/2 BPSK	1	137	21.58	21.61	21.55	22.7	0.5	
100	PI/2 BPSK	1	271	21.43	21.46	21.41			
100	PI/2 BPSK	135	0	21.05	21.08	21.02			
100	PI/2 BPSK	135	69	21.56	21.59	21.53	22.7	0.5	
100	PI/2 BPSK	135	138	20.95	20.97	20.92			
100	PI/2 BPSK	270	0	20.93	20.95	20.90			
100	QPSK	1	1	21.45	21.48	21.47	23.2	0.0	
100	QPSK	1	137	21.61	21.65	21.54			
100	QPSK	1	271	21.43	21.46	21.52			
100	QPSK	135	0	20.62	20.65	20.62	23.2	0.0	
100	QPSK	135	69	21.61	21.64	21.62			
100	QPSK	135	138	20.52	20.55	20.53			
100	QPSK	270	0	20.52	20.56	20.50	22.2	1.0	
100	16QAM	1	1	20.33	20.35	20.30	22.2	1.0	
100	64QAM	1	1	18.92	18.95	18.89	20.7	2.5	
100	256QAM	1	1	17.40	17.43	17.37	18.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.48	21.55	21.45		23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.56	21.59	21.44		23.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.47	21.55	21.44		23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.45	21.53	21.45		23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.53	21.57	21.47		23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.54	21.54	21.38		23.2	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.55	21.54	21.39		23.2	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.54	21.49	21.40		23.2	0.0



Reduced Power for NSA DSI 1

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	22.84	22.69	22.65	24.2	0.0
20	PI2 BPSK	1	53	22.67	22.68	22.67		
20	PI2 BPSK	1	104	22.66	22.70	22.67		
20	PI2 BPSK	50	0	22.21	22.22	22.19	23.7	0.5
20	PI2 BPSK	50	28	22.69	22.71	22.65	24.2	0.5
20	PI2 BPSK	50	56	22.15	22.21	22.18	23.7	0.5
20	PI2 BPSK	100	0	22.14	22.19	22.13		
20	QPSK	1	1	22.23	22.74	22.73		
20	QPSK	1	53	22.65	22.71	22.67	24.2	0.0
20	QPSK	1	104	22.61	22.66	22.65		
20	QPSK	50	0	21.64	21.68	21.66		
20	QPSK	50	28	22.65	22.65	22.59	24.2	1.0
20	QPSK	50	56	21.62	21.67	21.61	23.2	1.0
20	QPSK	100	0	21.56	21.63	21.57		
20	16QAM	1	1	21.40	21.46	21.42		
20	64QAM	1	1	19.91	19.96	19.94	21.7	2.5
20	256QAM	1	1	18.67	18.68	18.66	19.7	4.5
Channel				165300	167300	168300	114.5 dBm (max. ref.)	114.5 dBm (max. ref.)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.63	22.67	22.72	24.2	0.0
Channel				169800	167300	168800	114.5 dBm (max. ref.)	114.5 dBm (max. ref.)
Frequency (MHz)				830	836.5	844		
10	QPSK	1	1	22.67	22.70	22.68	24.2	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
5	QPSK	1	1	22.62	22.73	22.68	24.2	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.08	18.14	17.93	18.95	0.00
20	PI2 BPSK	1	53	17.95	17.96	17.72		
20	PI2 BPSK	1	104	17.84	17.88	17.70		
20	PI2 BPSK	50	0	18.05	18.07	17.83	18.95	0.00
20	PI2 BPSK	50	28	18.07	18.10	17.81	18.95	0.00
20	PI2 BPSK	50	56	17.92	17.95	17.68	18.95	0.00
20	PI2 BPSK	100	0	17.81	17.85	17.69	18.95	0.00
20	QPSK	1	1	18.10	18.17	17.95		
20	QPSK	1	53	17.99	18.02	17.78		
20	QPSK	1	104	17.90	17.91	17.77	18.95	0.00
20	QPSK	50	0	18.07	18.11	17.86	18.95	0.00
20	QPSK	50	28	18.09	18.12	17.85	18.95	0.00
20	QPSK	50	56	17.96	18.01	17.71	18.95	0.00
20	QPSK	100	0	17.83	17.87	17.70	18.95	0.00
20	16QAM	1	1	18.05	18.16	17.90		
20	64QAM	1	1	17.92	17.97	17.74		
20	256QAM	1	1	17.85	17.90	17.76	18.95	0.00
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.08	18.14	17.91	18.95	0.00
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.06	18.14	17.92	18.95	0.00
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.03	18.13	17.90	18.95	0.00

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.19	18.19	18.15	19.95	0.00
20	PI2 BPSK	1	53	18.13	18.15	18.13		
20	PI2 BPSK	1	104	18.04	18.07	17.97		
20	PI2 BPSK	50	0	18.05	18.09	18.13	19.95	0.00
20	PI2 BPSK	50	28	18.15	18.12	18.12	19.95	0.00
20	PI2 BPSK	50	56	18.07	18.09	18.02	19.95	0.00
20	PI2 BPSK	100	0	18.00	18.02	18.11		
20	QPSK	1	1	18.20	18.22	18.18		
20	QPSK	1	53	18.17	18.20	18.15	19.95	0.00
20	QPSK	1	104	18.06	18.09	18.03		
20	QPSK	50	0	18.12	18.12	18.14		
20	QPSK	50	28	18.16	18.17	18.15	19.95	0.00
20	QPSK	50	56	18.11	18.13	18.08	19.95	0.00
20	QPSK	100	0	18.03	18.06	17.97		
20	16QAM	1	1	18.11	18.15	18.10		
20	64QAM	1	1	18.14	18.10	18.12	19.95	0.00
20	256QAM	1	1	17.55	17.53	17.51	18.70	1.25
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.17	18.20	18.12	19.95	0.00
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.18	18.20	18.15	19.95	0.00
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.13	18.15	18.16	19.95	0.00

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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.88	19.00	19.00	19.7	0.0	
20	PI/2 BPSK	1	53	18.85	18.95	18.88			
20	PI/2 BPSK	1	104	18.93	18.95	18.95			
20	PI/2 BPSK	50	0	18.87	18.95	18.89	19.7	0.0	
20	PI/2 BPSK	50	28	18.87	18.97	18.93	19.7	0.0	
20	PI/2 BPSK	50	56	18.83	18.86	18.90	19.7	0.0	
20	PI/2 BPSK	100	0	18.92	18.92	18.91			
20	QPSK	1	1	18.95	19.05	19.01			
20	QPSK	1	53	18.89	18.97	18.95	19.7	0.0	
20	QPSK	1	104	18.94	18.97	18.96	19.7	0.0	
20	QPSK	50	0	18.90	18.97	18.93			
20	QPSK	50	28	18.94	19.01	19.00			
20	QPSK	50	56	18.84	18.91	18.92	19.7	0.0	
20	QPSK	100	0	18.93	18.93	18.93	19.7	0.0	
20	16QAM	1	1	18.93	18.94	18.96			
20	64QAM	1	1	18.93	18.95	18.93			
20	256QAM	1	1	18.89	19.00	18.95	19.7	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.93	18.95	18.95	19.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.92	18.97	18.95	19.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.92	18.99	18.93	19.7	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	20.95	21.01	20.91	22.2	0.0	
20	PI/2 BPSK	1	53	20.81	20.82	20.73			
20	PI/2 BPSK	1	104	20.78	20.85	20.78			
20	PI/2 BPSK	50	0	20.92	20.97	20.85	22.2	0.0	
20	PI/2 BPSK	50	28	20.92	20.94	20.90	22.2	0.0	
20	PI/2 BPSK	50	56	20.75	20.75	20.69	22.2	0.0	
20	PI/2 BPSK	100	0	20.74	20.97	20.69			
20	QPSK	1	1	21.01	21.03	20.95			
20	QPSK	1	53	20.83	20.84	20.78	22.2	0.0	
20	QPSK	1	104	20.83	20.92	20.81	22.2	0.0	
20	QPSK	50	0	20.95	20.99	20.88			
20	QPSK	50	28	20.99	21.01	20.91			
20	QPSK	50	56	20.81	20.77	20.72	22.2	0.0	
20	QPSK	100	0	20.80	20.91	20.74	22.2	0.0	
20	16QAM	1	1	20.98	20.95	20.89			
20	64QAM	1	1	19.27	19.27	19.26			
20	256QAM	1	1	17.81	17.79	17.75	18.7	3.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.92	20.97	20.87	22.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.92	20.97	20.87	22.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.94	21.00	20.84	22.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	18.29	18.36	18.27	19.2	0.0	
20	PI/2 BPSK	1	26	18.31	18.34	18.27			
20	PI/2 BPSK	1	49	18.22	18.30	18.25			
20	PI/2 BPSK	25	0	18.27	18.28	18.16	19.2	0.0	
20	PI/2 BPSK	25	13	18.26	18.29	18.23	19.2	0.0	
20	PI/2 BPSK	25	26	18.24	18.27	18.22	19.2	0.0	
20	PI/2 BPSK	50	0	18.20	18.28	18.21			
20	QPSK	1	1	18.35	18.38	18.33			
20	QPSK	1	26	18.34	18.35	18.32	19.2	0.0	
20	QPSK	1	49	18.28	18.36	18.32			
20	QPSK	25	0	18.29	18.31	18.23			
20	QPSK	25	13	18.32	18.35	18.27	19.2	0.0	
20	QPSK	25	26	18.31	18.31	18.26			
20	QPSK	50	0	18.25	18.32	18.28			
20	16QAM	1	1	18.30	18.28	18.22	19.2	0.0	
20	64QAM	1	1	18.25	18.34	18.21	19.2	0.0	
20	256QAM	1	1	18.30	18.34	18.23	19.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	18.27	18.29	18.25	19.2	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	18.25	18.31	18.20	19.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	16.46	16.42	16.32	18.2	0.0	
20	PI/2 BPSK	1	26	16.38	16.33	16.35			
20	PI/2 BPSK	1	49	16.45	16.38	16.38			
20	PI/2 BPSK	25	0	16.44	16.44	16.30	18.2	0.0	
20	PI/2 BPSK	25	13	16.41	16.46	16.34	18.2	0.0	
20	PI/2 BPSK	25	26	16.41	16.38	16.37	18.2	0.0	
20	PI/2 BPSK	50	0	16.39	16.47	16.31			
20	QPSK	1	1	16.47	16.54	16.49			
20	QPSK	1	26	16.38	16.42	16.31	18.2	0.0	
20	QPSK	1	49	16.35	16.44	16.37			
20	QPSK	25	0	16.31	16.36	16.26			
20	QPSK	25	13	16.45	16.49	16.44	18.2	0.0	
20	QPSK	25	26	16.30	16.37	16.41			
20	QPSK	50	0	16.30	16.40	16.34			
20	16QAM	1	1	16.43	16.40	16.35	18.2	0.0	
20	64QAM	1	1	16.39	16.39	16.34	18.2	0.0	
20	256QAM	1	1	16.28	16.38	16.28	18.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.44	16.50	16.44	18.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.41	16.47	16.44	18.2	0.0	

FCC_n41_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	518598	528000	17.95	0.00			
Frequency (MHz)				2546.01	2592.99	2640					
100	PI/2 BPSK	1	1	16.82	16.91	16.80					
100	PI/2 BPSK	1	137	16.88	16.89	16.81	17.95	0.00			
100	PI/2 BPSK	1	271	16.91	16.83	16.83					
100	PI/2 BPSK	135	0	16.95	16.85	16.84					
100	PI/2 BPSK	135	69	16.85	16.83	16.86	17.95 0.00				
100	PI/2 BPSK	135	138	16.91	16.90	16.90	17.95	0.00			
100	PI/2 BPSK	270	0	16.88	16.91	16.83					
100	QPSK	1	1	16.87	16.86	16.90					
100	QPSK	1	137	15.94	17.04	15.92	17.95	0.00			
100	QPSK	1	271	16.80	16.87	16.87					
100	QPSK	135	0	16.80	16.85	16.70					
100	QPSK	135	69	15.90	16.97	15.88	17.95	0.00			
100	QPSK	135	138	16.76	16.91	16.71					
100	QPSK	270	0	16.81	16.84	16.81					
100	16QAM	1	1	16.92	16.87	16.86	17.95 0.00				
100	64QAM	1	1	16.78	16.89	16.81	17.95 0.00				
100	256QAM	1	1	16.84	16.89	16.91	17.95 0.00				
Channel				505200	518598	528996	17.95	0.00			
Frequency (MHz)				2541	2592.99	2644.98					
90	QPSK	1	1	16.87	16.98	16.85		17.95 0.00			
Channel				507204	518598	529998	17.95	0.00			
Frequency (MHz)				2536.02	2592.99	2649.99					
80	QPSK	1	1	16.93	17.03	16.88		17.95 0.00			
Channel				505200	518598	531996	17.95	0.00			
Frequency (MHz)				2526	2592.99	2659.98					
60	QPSK	1	1	16.92	17.02	16.89		17.95 0.00			
Channel				504204	518598	532998	17.95	0.00			
Frequency (MHz)				2531.02	2592.99	2654.99					
50	QPSK	1	1	16.92	17.01	16.87		17.95 0.00			
Channel				503202	518598	534000	17.95	0.00			
Frequency (MHz)				2516.01	2592.99	2670					
40	QPSK	1	1	16.91	16.97	16.91		17.95 0.00			
Channel				501204	518598	535998	17.95	0.00			
Frequency (MHz)				2506.02	2592.99	2679.99					
20	QPSK	1	1	16.92	17.03	16.90		17.95 0.00			
Channel				500700	518598	536496	17.95	0.00			
Frequency (MHz)				2503.5	2592.99	2682.48					
15	QPSK	1	1	16.92	17.00	16.91		17.95 0.00			
Channel				500202	518598	537000	17.95	0.00			
Frequency (MHz)				2501.01	2592.99	2685					
10	QPSK	1	1	16.87	17.03	16.89		17.95 0.00			

FCC_n41_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				509202	518598	528000	17.45	0.00		
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	15.86	15.57	15.58				
100	PI/2 BPSK	1	137	15.60	15.70	15.55	17.45	0.00		
100	PI/2 BPSK	1	271	15.55	15.63	15.57				
100	PI/2 BPSK	135	0	15.55	15.66	15.63				
100	PI/2 BPSK	135	69	15.59	15.69	15.64	17.45 0.00			
100	PI/2 BPSK	135	138	15.62	15.62	15.61	17.45	0.00		
100	PI/2 BPSK	270	0	15.62	15.61	15.57				
100	QPSK	1	1	15.68	15.63	15.64				
100	QPSK	1	137	15.72	15.72	15.65	17.45	0.00		
100	QPSK	1	271	15.56	15.56	15.51				
100	QPSK	135	0	15.62	15.60	15.53				
100	QPSK	135	69	15.67	15.68	15.63	17.45	0.00		
100	QPSK	135	138	15.56	15.60	15.49				
100	QPSK	270	0	15.62	15.64	15.63				
100	16QAM	1	1	15.62	15.66	15.51	17.45 0.00			
100	64QAM	1	1	15.54	15.66	15.58	17.45 0.00			
100	256QAM	1	1	15.62	15.61	15.61	17.45 0.00			
Channel				508200	518598	528996	17.45	0.00		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	15.87	15.68	15.63		17.45 0.00		
Channel				507204	518598	529998	17.45	0.00		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	15.67	15.65	15.60		17.45 0.00		
Channel				505200	518598	531996	17.45	0.00		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	15.68	15.67	15.64		17.45 0.00		
Channel				504204	518598	532998	17.45	0.00		
Frequency (MHz)				2521.02	2592.99	2654.99				
50	QPSK	1	1	15.70	15.66	15.58		17.45 0.00		
Channel				503202	518598	534000	17.45	0.00		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	15.70	15.68	15.60		17.45 0.00		
Channel				501204	518598	535998	17.45	0.00		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	15.69	15.69	15.58		17.45 0.00		
Channel				500700	518598	536496	17.45	0.00		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	15.70	15.65	15.64		17.45 0.00		
Channel				500202	518598	537000	17.45	0.00		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	15.69	15.67	15.63		17.45 0.00		



Reduced Power for NSA DSI 2

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				16680	16730	16780	20.95	0.00	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	19.12	19.19	19.16	20.95	0.00	
20	PI2 BPSK	1	53	19.16	19.19	19.10			
20	PI2 BPSK	1	104	19.07	19.08	19.13	20.95	0.00	
20	PI2 BPSK	50	0	19.08	19.15	19.10			
20	PI2 BPSK	50	28	19.14	19.18	19.08	20.95	0.00	
20	PI2 BPSK	50	56	19.08	19.13	19.11			
20	PI2 BPSK	100	0	18.99	19.01	19.04	20.95	0.00	
20	QPSK	1	1	19.17	19.22	19.17			
20	QPSK	1	53	19.11	19.20	19.16	20.95	0.00	
20	QPSK	1	104	19.09	19.14	19.14			
20	QPSK	50	0	19.12	19.16	19.11	20.95	0.00	
20	QPSK	50	28	19.15	19.20	19.15			
20	QPSK	50	56	19.10	19.18	19.12	20.95	0.00	
20	QPSK	100	0	19.06	19.08	19.08			
20	16QAM	1	1	19.11	19.16	19.11	20.95	0.00	
20	64QAM	1	1	19.09	19.14	19.08			
20	256QAM	1	1	18.61	18.66	18.62	19.70	1.25	
Channel				16830	16730	16830	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	20.95	0.00	
15	QPSK	1	1	19.14	19.17	19.14	20.95	0.00	
Channel				16580	16730	16680			
Frequency (MHz)				829	836.5	844	20.95	0.00	
10	QPSK	1	1	19.13	19.16	19.09	20.95	0.00	
Channel				16330	16730	16330			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.13	19.18	19.09	20.95	0.00	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50200	507000	512000	14.7	0.0	
Frequency (MHz)				2910	2935	2960			
20	PI2 BPSK	1	1	14.05	14.12	13.91	14.7	0.0	
20	PI2 BPSK	1	53	13.89	13.93	13.71			
20	PI2 BPSK	1	104	13.83	13.84	13.85	14.7	0.0	
20	PI2 BPSK	50	0	14.03	14.05	13.79			
20	PI2 BPSK	50	28	14.03	14.06	13.80	14.7	0.0	
20	PI2 BPSK	50	56	13.86	13.89	13.63			
20	PI2 BPSK	100	0	13.76	13.83	13.62	14.7	0.0	
20	QPSK	1	1	14.07	14.16	13.90			
20	QPSK	1	53	13.93	13.96	13.71	14.7	0.0	
20	QPSK	1	104	13.83	13.86	13.74			
20	QPSK	50	0	14.01	14.08	13.85	14.7	0.0	
20	QPSK	50	28	14.07	14.11	13.67			
20	QPSK	50	56	13.90	13.96	13.68	14.7	0.0	
20	QPSK	100	0	13.78	13.82	13.64			
20	16QAM	1	1	14.02	14.09	13.87	14.7	0.0	
20	64QAM	1	1	13.88	13.93	13.70			
20	256QAM	1	1	13.80	13.87	13.75	14.7	0.0	
Channel				50100	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2907.5	2935	2962.5	14.7	0.0	
15	QPSK	1	1	14.01	14.13	13.85	14.7	0.0	
Channel				501000	507000	503000			
Frequency (MHz)				2905	2935	2965	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.01	14.12	13.91	14.7	0.0	
Channel				500000	507000	513000			
Frequency (MHz)				2902.5	2935	2967.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	14.02	14.13	13.89	14.7	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50200	507000	512000	22.2	0.0	
Frequency (MHz)				2910	2935	2960			
20	PI2 BPSK	1	1	20.72	20.68	20.63	22.2	0.0	
20	PI2 BPSK	1	53	20.64	20.66	20.61			
20	PI2 BPSK	1	104	20.51	20.52	20.51	22.2	0.0	
20	PI2 BPSK	50	0	20.63	20.65	20.51			
20	PI2 BPSK	50	28	20.68	20.70	20.57	22.2	0.0	
20	PI2 BPSK	50	56	20.62	20.59	20.56			
20	PI2 BPSK	100	0	20.47	20.54	20.43	22.2	0.0	
20	QPSK	1	1	20.70	20.75	20.67			
20	QPSK	1	53	20.70	20.70	20.66	22.2	0.0	
20	QPSK	1	104	20.52	20.59	20.53			
20	QPSK	50	0	20.70	20.72	20.56	22.2	0.0	
20	QPSK	50	28	20.71	20.74	20.61			
20	QPSK	50	56	20.66	20.64	20.61	22.2	0.0	
20	QPSK	100	0	20.48	20.56	20.49			
20	16QAM	1	1	20.65	20.70	20.56	22.2	0.0	
20	64QAM	1	1	18.97	19.02	18.98		20.7	
20	256QAM	1	1	17.54	17.57	17.50	18.7	3.5	
Channel				50100	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2907.5	2935	2962.5	14.7	0.0	
15	QPSK	1	1	20.72	20.68	20.61	22.2	0.0	
Channel				501000	507000	503000			
Frequency (MHz)				2905	2935	2965	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.69	20.71	20.62	22.2	0.0	
Channel				500000	507000	513000			
Frequency (MHz)				2902.5 <th>2935</th> <th>2967.5</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2935	2967.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.70	20.69	20.60	22.2	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Floor Ch. / Freq.	Power Floor Ch. / Freq.	Power Floor Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	16.39	16.46	16.47	17.2	0.0	
20	PI2 BPSK	1	53	16.33	16.35	16.36			
20	PI2 BPSK	1	104	16.31	16.41	16.35			
20	PI2 BPSK	50	0	16.36	16.48	16.44	17.2	0.0	
20	PI2 BPSK	50	28	16.36	16.45	16.43	17.2	0.0	
20	PI2 BPSK	50	56	16.34	16.36	16.34	17.2	0.0	
20	PI2 BPSK	100	0	16.28	16.43	16.37			
20	QPSK	1	1	16.42	16.52	16.45			
20	QPSK	1	53	16.39	16.39	16.37	17.2	0.0	
20	QPSK	1	104	16.34	16.46	16.39			
20	QPSK	50	0	16.35	16.41	16.37			
20	QPSK	50	28	16.35	16.47	16.41	17.2	0.0	
20	QPSK	50	56	16.30	16.32	16.31	17.2	0.0	
20	QPSK	100	0	16.30	16.42	16.37	17.2	0.0	
20	16QAM	1	1	16.30	16.44	16.37			
20	64QAM	1	1	16.34	16.40	16.34			
20	256QAM	1	1	16.29	16.42	16.39	17.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.31	16.43	16.36	17.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.29	16.42	16.38	17.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.35	16.45	16.40	17.2	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	20.95	21.01	20.91	22.2	0.0	
20	PI2 BPSK	1	53	20.81	20.82	20.73			
20	PI2 BPSK	1	104	20.78	20.85	20.78			
20	PI2 BPSK	50	0	20.92	20.97	20.85	22.2	0.0	
20	PI2 BPSK	50	28	20.92	20.94	20.90	22.2	0.0	
20	PI2 BPSK	50	56	20.75	20.75	20.69	22.2	0.0	
20	PI2 BPSK	100	0	20.74	20.87	20.69			
20	QPSK	1	1	21.01	21.05	21.05			
20	QPSK	1	53	20.83	20.84	20.78	22.2	0.0	
20	QPSK	1	104	20.83	20.92	20.81			
20	QPSK	50	0	20.95	20.99	20.88			
20	QPSK	50	28	20.69	21.01	20.91	22.2	0.0	
20	QPSK	50	56	20.81	20.77	20.72	22.2	0.0	
20	QPSK	100	0	20.80	20.91	20.74	22.2	0.0	
20	16QAM	1	1	20.98	20.95	20.89	22.2	0.0	
20	64QAM	1	1	19.27	19.27	19.26	20.7	1.5	
20	256QAM	1	1	17.81	17.79	17.75	18.7	3.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.92	20.97	20.87	22.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.92	20.97	20.87	22.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.94	21.00	20.84	22.2	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				2590	2595	2610	14.2	0.0	
Frequency (MHz)				516000	519000	522000			
20	PI/2 BPSK	1	1	13.28	13.34	13.26			
20	PI/2 BPSK	1	26	13.28	13.30	13.20	14.2	0.0	
20	PI/2 BPSK	1	49	13.15	13.25	13.24			
20	PI/2 BPSK	25	0	13.26	13.27	13.15			
20	PI/2 BPSK	25	13	13.25	13.28	13.20	14.2	0.0	
20	PI/2 BPSK	25	26	13.20	13.23	13.20	14.2	0.0	
20	PI/2 BPSK	50	0	13.18	13.24	13.14			
20	QPSK	1	1	13.33	13.37	13.32			
20	QPSK	1	26	13.31	13.28	13.30	14.2	0.0	
20	QPSK	1	49	13.26	13.32	13.30			
20	QPSK	25	0	13.26	13.28	13.20			
20	QPSK	25	13	13.28	13.29	13.23	14.2	0.0	
20	QPSK	25	26	13.27	13.24	13.19			
20	QPSK	50	0	13.23	13.26	13.25		0.0	
20	16QAM	1	1	13.24	13.21	13.20	14.2	0.0	
20	64QAM	1	1	13.22	13.28	13.16	14.2	0.0	
20	256QAM	1	1	13.24	13.28	13.17	14.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	13.30	13.35	13.26	14.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	13.29	13.31	13.27	14.2	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				2590	2595	2610	21.2	0.0	
Frequency (MHz)				516000	519000	522000			
20	PI/2 BPSK	1	1	19.51	19.54	19.52			
20	PI/2 BPSK	1	26	19.58	19.63	19.57	21.2	0.0	
20	PI/2 BPSK	1	49	19.55	19.62	19.59			
20	PI/2 BPSK	25	0	19.55	19.62	19.56			
20	PI/2 BPSK	25	13	19.59	19.59	19.59	21.2	0.0	
20	PI/2 BPSK	25	26	19.56	19.57	19.52	21.2	0.0	
20	PI/2 BPSK	50	0	19.53	19.57	19.58			
20	QPSK	1	1	19.57	19.69	19.65			
20	QPSK	1	26	19.58	19.55	19.52	21.2	0.0	
20	QPSK	1	49	19.52	19.55	19.50			
20	QPSK	25	0	19.54	19.52	19.54			
20	QPSK	25	13	19.64	19.66	19.62	21.2	0.0	
20	QPSK	25	26	19.48	19.55	19.47			
20	QPSK	50	0	19.60	19.63	19.57		0.0	
20	16QAM	1	1	19.61	19.61	19.51	21.2	0.0	
20	64QAM	1	1	18.95	18.98	18.92	20.7	0.5	
20	256QAM	1	1	17.62	17.54	17.50	18.7	2.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	19.59	19.60	19.55	21.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	19.53	19.53	19.59	21.2	0.0	

FCC_n41_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	518598	528000	14.45	0.00	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	13.26	13.40	13.28			
100	PI/2 BPSK	1	137	13.35	13.34	13.29	14.45	0.00	
100	PI/2 BPSK	1	271	13.37	13.32	13.27			
100	PI/2 BPSK	135	0	13.40	13.29	13.33			
100	PI/2 BPSK	135	69	13.29	13.29	13.33	14.45	0.00	
100	PI/2 BPSK	135	138	13.38	13.39	13.36			
100	PI/2 BPSK	270	0	13.35	13.40	13.32			
100	QPSK	1	1	13.33	13.34	13.33	14.45	0.00	
100	QPSK	1	137	13.38	13.52	13.40			
100	QPSK	1	271	13.27	13.33	13.36			
100	QPSK	135	0	13.27	13.30	13.16	14.45	0.00	
100	QPSK	135	69	13.33	13.45	13.35			
100	QPSK	135	138	13.24	13.38	13.20			
100	QPSK	270	0	13.25	13.30	13.29	14.45	0.00	
100	16QAM	1	1	13.36	13.31	13.33			
100	64QAM	1	1	13.23	13.33	13.26			
100	256QAM	1	1	13.30	13.35	13.34	14.45		0.00
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	14.45	0.00	
90	QPSK	1	1	13.36	13.49	13.39			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	14.45	0.00	
80	QPSK	1	1	13.36	13.49	13.37			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	14.45	0.00	
60	QPSK	1	1	13.35	13.46	13.39			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	14.45	0.00	
50	QPSK	1	1	13.35	13.46	13.39			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	14.45	0.00	
40	QPSK	1	1	13.33	13.46	13.39			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	14.45	0.00	
20	QPSK	1	1	13.33	13.49	13.35			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	14.45	0.00	
15	QPSK	1	1	13.34	13.50	13.39			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	14.45	0.00	
10	QPSK	1	1	13.35	13.45	13.36			

FCC_n41_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				509202	518598	528000	2546.01	2592.99	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.89	19.89	19.86			
100	PI/2 BPSK	1	137	20.04	20.08	19.94	21.7	0.0	
100	PI/2 BPSK	1	271	19.85	19.82	19.91			
100	PI/2 BPSK	135	0	19.89	19.88	19.88			
100	PI/2 BPSK	135	69	19.90	19.88	19.87	21.7	0.0	
100	PI/2 BPSK	135	138	20.06	20.10	19.95			
100	PI/2 BPSK	270	0	19.79	19.84	19.93			
100	QPSK	1	1	19.92	19.93	19.93	21.7	0.0	
100	QPSK	1	137	20.06	20.11	19.99			
100	QPSK	1	271	19.86	19.89	19.98			
100	QPSK	135	0	19.87	19.87	19.88	21.7	0.0	
100	QPSK	135	69	20.01	20.07	19.94			
100	QPSK	135	138	19.79	19.88	19.97			
100	QPSK	270	0	19.85	19.91	19.89	21.7	0.0	
100	16QAM	1	1	20.04	20.07	19.96			
100	64QAM	1	1	18.85	18.92	18.82			
100	256QAM	1	1	17.38	17.38	17.34	20.7		1.0
100							18.7		3.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	20.02	19.92	
90	QPSK	1	1	20.02	20.10	19.92			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	20.06	20.04	
80	QPSK	1	1	20.06	20.04	19.96			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	20.01	20.05	
60	QPSK	1	1	20.01	20.05	19.94			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	20.03	20.10	
50	QPSK	1	1	20.03	20.10	19.94			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	20.01	20.05	
40	QPSK	1	1	20.01	20.05	19.97			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	20.01	20.05	
20	QPSK	1	1	20.01	20.05	19.95			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	20.04	20.09	
15	QPSK	1	1	20.04	20.09	19.96			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	20.02	20.04	
10	QPSK	1	1	20.02	20.04	19.98			



Reduced Power for NSA DSI 3

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	23.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	21.56	21.65	21.61	23.2	0.0	
20	PI2 BPSK	1	53	21.54	21.66	21.57			
20	PI2 BPSK	1	104	21.52	21.56	21.56			
20	PI2 BPSK	50	0	21.54	21.60	21.58	23.2	0.0	
20	PI2 BPSK	50	28	21.61	21.66	21.51	23.2	0.0	
20	PI2 BPSK	50	56	21.53	21.58	21.54	23.2	0.0	
20	PI2 BPSK	100	0	21.42	21.45	21.49			
20	QPSK	1	1	21.60	21.69	21.63			
20	QPSK	1	53	21.59	21.67	21.62	23.2	0.0	
20	QPSK	1	104	21.52	21.60	21.57	23.2	0.0	
20	QPSK	50	0	21.56	21.59	21.56			
20	QPSK	50	28	21.60	21.65	21.62			
20	QPSK	50	56	21.58	21.61	21.60	23.2	0.0	
20	QPSK	100	0	21.53	21.55	21.49			
20	16QAM	1	1	21.53	21.64	21.58	23.2	0.0	
20	64QAM	1	1	19.87	19.91	19.87	21.7	1.5	
20	256QAM	1	1	18.66	18.61	18.64	19.7	3.5	
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	23.2	0.0	
15	QPSK	1	1	21.59	21.64	21.58			
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	23.2	0.0	
10	QPSK	1	1	21.55	21.68	21.61			
Channel				163300	167300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				806.5	836.5	846.5	23.2	0.0	
5	QPSK	1	1	21.58	21.65	21.61			

n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	16.95	0.00	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	16.05	16.12	15.88	16.95	0.00	
20	PI2 BPSK	1	53	15.92	15.89	15.65			
20	PI2 BPSK	1	104	15.77	15.86	15.68			
20	PI2 BPSK	50	0	16.00	16.02	15.80	16.95	0.00	
20	PI2 BPSK	50	28	16.05	16.03	15.80	16.95	0.00	
20	PI2 BPSK	50	56	15.88	15.88	15.66	16.95	0.00	
20	PI2 BPSK	100	0	15.79	15.80	15.67			
20	QPSK	1	1	16.07	16.16	15.90			
20	QPSK	1	53	15.95	16.00	15.71	16.95	0.00	
20	QPSK	1	104	15.87	15.90	15.72	16.95	0.00	
20	QPSK	50	0	16.00	16.09	15.80			
20	QPSK	50	28	16.08	16.11	15.86			
20	QPSK	50	56	15.89	15.96	15.66	16.95	0.00	
20	QPSK	100	0	15.79	15.85	15.66			
20	16QAM	1	1	16.03	16.10	15.83	16.95	0.00	
20	64QAM	1	1	15.86	15.93	15.73	16.95	0.00	
20	256QAM	1	1	15.80	15.89	15.69	16.95	0.00	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.95	0.00	
15	QPSK	1	1	16.06	16.10	15.86			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.95	0.00	
10	QPSK	1	1	16.02	16.14	15.91			
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.95	0.00	
5	QPSK	1	1	16.01	16.13	15.88			

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				502000	507000	512000	17.95	0.00	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	16.14	16.08	16.13	17.95	0.00	
20	PI2 BPSK	1	53	16.10	16.11	16.06			
20	PI2 BPSK	1	104	15.98	16.02	16.05			
20	PI2 BPSK	50	0	15.99	16.04	16.07	17.95	0.00	
20	PI2 BPSK	50	28	16.09	16.08	16.07	17.95	0.00	
20	PI2 BPSK	50	56	16.06	16.07	15.96	17.95	0.00	
20	PI2 BPSK	100	0	15.95	16.01	16.08			
20	QPSK	1	1	16.14	16.16	16.11			
20	QPSK	1	53	16.11	16.14	16.08	17.95	0.00	
20	QPSK	1	104	15.98	16.05	15.97	17.95	0.00	
20	QPSK	50	0	16.11	16.05	16.13			
20	QPSK	50	28	16.12	16.14	16.13			
20	QPSK	50	56	16.09	16.06	16.06	17.95	0.00	
20	QPSK	100	0	15.97	16.02	15.95			
20	16QAM	1	1	16.07	16.17	16.05	17.95	0.00	
20	64QAM	1	1	16.10	16.14	16.09	17.95	0.00	
20	256QAM	1	1	16.12	16.15	16.07	17.95	0.00	
Channel				507000	507000	512500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2507.5	2535	2562.5	17.95	0.00	
15	QPSK	1	1	16.08	16.14	16.08			
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2505	2535	2565	17.95	0.00	
10	QPSK	1	1	16.07	16.17	16.08			
Channel				505000	507000	513500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2502.5	2535	2567.5	17.95	0.00	
5	QPSK	1	1	16.09	16.17	16.04			

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Floor Ch. / Freq.	Power Floor Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	17.35	17.49	17.47	18.45	0.00
20	PI2 BPSK	1	53	17.34	17.39	17.32		
20	PI2 BPSK	1	104	17.37	17.44	17.42		
20	PI2 BPSK	50	0	17.35	17.39	17.33	18.45	0.00
20	PI2 BPSK	50	28	17.35	17.43	17.38	18.45	0.00
20	PI2 BPSK	50	56	17.26	17.31	17.33	18.45	0.00
20	PI2 BPSK	100	0	17.35	17.39	17.40		
20	QPSK	1	1	17.43	17.50	17.47		
20	QPSK	1	53	17.32	17.46	17.40	18.45	0.00
20	QPSK	1	104	17.42	17.44	17.41	18.45	0.00
20	QPSK	50	0	17.35	17.39	17.37		
20	QPSK	50	28	17.43	17.46	17.46		
20	QPSK	50	56	17.27	17.37	17.35	18.45	0.00
20	QPSK	100	0	17.37	17.43	17.41		
20	16QAM	1	1	17.37	17.42	17.42		
20	64QAM	1	1	17.41	17.40	17.38	18.45	0.00
20	256QAM	1	1	17.33	17.43	17.43	18.45	0.00
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.39	17.44	17.43		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.40	17.43	17.40		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	17.39	17.47	17.40		

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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	18.94	18.98	18.89	20.2	0.0
20	PI2 BPSK	1	53	18.76	18.80	18.67		
20	PI2 BPSK	1	104	18.74	18.81	18.72		
20	PI2 BPSK	50	0	18.90	18.90	18.82	20.2	0.0
20	PI2 BPSK	50	28	18.89	18.89	18.89	20.2	0.0
20	PI2 BPSK	50	56	18.74	18.74	18.64	20.2	0.0
20	PI2 BPSK	100	0	18.89	18.81	18.67	20.2	0.0
20	QPSK	1	1	18.95	18.92	18.93	20.2	0.0
20	QPSK	1	53	18.76	18.79	18.77		
20	QPSK	1	104	18.81	18.91	18.79		
20	QPSK	50	0	18.88	18.94	18.83	20.2	0.0
20	QPSK	50	28	18.97	18.98	18.83	20.2	0.0
20	QPSK	50	56	18.74	18.76	18.71	20.2	0.0
20	QPSK	100	0	18.73	18.84	18.73	20.2	0.0
20	16QAM	1	1	18.92	18.97	18.86	20.2	0.0
20	64QAM	1	1	18.96	19.00	18.92	20.2	0.0
20	256QAM	1	1	17.53	17.53	17.50	18.7	1.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.98	18.98	18.88		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.98	18.98	18.91		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.93	18.95	18.88		



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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	15.73	15.82	15.75	16.7	0.0	
20	PI/2 BPSK	1	26	15.77	15.81	15.74			
20	PI/2 BPSK	1	49	15.66	15.74	15.71			
20	PI/2 BPSK	25	0	15.76	15.72	15.62	16.7	0.0	
20	PI/2 BPSK	25	13	15.71	15.77	15.67	16.7	0.0	
20	PI/2 BPSK	25	26	15.73	15.72	15.65	16.7	0.0	
20	PI/2 BPSK	50	0	15.66	15.74	15.65			
20	QPSK	1	1	15.78	15.83	15.76	16.7	0.0	
20	QPSK	1	26	15.78	15.82	15.75			
20	QPSK	1	49	15.74	15.73	15.75			
20	QPSK	25	0	15.77	15.74	15.70	16.7	0.0	
20	QPSK	25	13	15.78	15.80	15.76			
20	QPSK	25	26	15.76	15.79	15.70			
20	QPSK	50	0	15.73	15.76	15.77	16.7	0.0	
20	16QAM	1	1	15.74	15.76	15.66	16.7	0.0	
20	64QAM	1	1	15.69	15.80	15.70	16.7	0.0	
20	256QAM	1	1	15.76	15.80	15.68	16.7	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	15.71	15.78	15.77	16.7	0.0	
Channel				519004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	15.77	15.79	15.77	16.7	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	14.47	14.45	14.33	16.2	0.0	
20	PI/2 BPSK	1	26	14.38	14.34	14.35			
20	PI/2 BPSK	1	49	14.48	14.37	14.38			
20	PI/2 BPSK	25	0	14.42	14.47	14.29	16.2	0.0	
20	PI/2 BPSK	25	13	14.39	14.49	14.34	16.2	0.0	
20	PI/2 BPSK	25	26	14.44	14.42	14.41	16.2	0.0	
20	PI/2 BPSK	50	0	14.42	14.49	14.34			
20	QPSK	1	1	14.50	14.55	14.50	16.2	0.0	
20	QPSK	1	26	14.37	14.44	14.33			
20	QPSK	1	49	14.35	14.43	14.41			
20	QPSK	25	0	14.31	14.38	14.25	16.2	0.0	
20	QPSK	25	13	14.46	14.50	14.44			
20	QPSK	25	26	14.30	14.40	14.42			
20	QPSK	50	0	14.32	14.38	14.35	16.2	0.0	
20	16QAM	1	1	14.46	14.40	14.36	16.2	0.0	
20	64QAM	1	1	14.38	14.39	14.36	16.2	0.0	
20	256QAM	1	1	14.29	14.41	14.27	16.2	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	14.47	14.48	14.46	16.2	0.0	
Channel				519004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	14.44	14.49	14.48	16.2	0.0	

FCC_n41_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	518598	528000	16.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.20	15.35	15.23			
100	PI/2 BPSK	1	137	15.30	15.29	15.28	16.2	0.0	
100	PI/2 BPSK	1	271	15.31	15.26	15.22			
100	PI/2 BPSK	135	0	15.38	15.25	15.31			
100	PI/2 BPSK	135	69	15.22	15.28	15.32	16.2	0.0	
100	PI/2 BPSK	135	138	15.34	15.32	15.31			
100	PI/2 BPSK	270	0	15.28	15.38	15.31			
100	QPSK	1	1	15.31	15.33	15.32	16.2	0.0	
100	QPSK	1	137	15.36	15.47	15.33			
100	QPSK	1	271	15.24	15.32	15.29			
100	QPSK	135	0	15.22	15.27	15.11	16.2	0.0	
100	QPSK	135	69	15.27	15.40	15.30			
100	QPSK	135	138	15.22	15.31	15.15			
100	QPSK	270	0	15.22	15.27	15.23	16.2	0.0	
100	16QAM	1	1	15.30	15.30	15.29			
100	64QAM	1	1	15.20	15.30	15.22		16.2	
100	256QAM	1	1	15.23	15.30	15.31			
Channel				508200	518598	528996	16.2	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.30	15.41	15.29		16.2	
Channel				507204	518598	529998	16.2	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.29	15.40	15.30		16.2	
Channel				505200	518598	531996	16.2	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.33	15.42	15.27		16.2	
Channel				504204	518598	532998	16.2	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.34	15.42	15.29		16.2	
Channel				503202	518598	534000	16.2	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.31	15.45	15.28		16.2	
Channel				501204	518598	535998	16.2	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.32	15.45	15.30		16.2	
Channel				500700	518598	536496	16.2	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	15.35	15.45	15.32		16.2	
Channel				500202	518598	537000	16.2	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.35	15.44	15.28		16.2	

FCC_n41_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				509202	518598	528000	15.45	0.00	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	13.80	13.55	13.57			
100	PI/2 BPSK	1	137	13.56	13.68	13.51	15.45	0.00	
100	PI/2 BPSK	1	271	13.49	13.58	13.54			
100	PI/2 BPSK	135	0	13.52	13.64	13.59			
100	PI/2 BPSK	135	69	13.54	13.67	13.63	15.45	0.00	
100	PI/2 BPSK	135	138	13.58	13.61	13.57			
100	PI/2 BPSK	270	0	13.57	13.59	13.52			
100	QPSK	1	1	13.62	13.62	13.62	15.45	0.00	
100	QPSK	1	137	13.65	13.71	13.63			
100	QPSK	1	271	13.52	13.55	13.53			
100	QPSK	135	0	13.55	13.54	13.52	15.45	0.00	
100	QPSK	135	69	13.60	13.62	13.59			
100	QPSK	135	138	13.54	13.56	13.42			
100	QPSK	270	0	13.56	13.60	13.56	15.45	0.00	
100	16QAM	1	1	13.58	13.61	13.49			
100	64QAM	1	1	13.50	13.61	13.54		15.45	
100	256QAM	1	1	13.58	13.56	13.58			
Channel				508200	518598	528996	15.45	0.00	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	13.58	13.68	13.60		15.45	
Channel				507204	518598	529998	15.45	0.00	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	13.58	13.69	13.62		15.45	
Channel				505200	518598	531996	15.45	0.00	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	13.62	13.64	13.58		15.45	
Channel				504204	518598	532998	15.45	0.00	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	13.58	13.68	13.59		15.45	
Channel				503202	518598	534000	15.45	0.00	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	13.63	13.68	13.60		15.45	
Channel				501204	518598	535998	15.45	0.00	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	13.58	13.67	13.60		15.45	
Channel				500700	518598	536496	15.45	0.00	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	13.64	13.70	13.56		15.45	
Channel				500202	518598	537000	15.45	0.00	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	13.59	13.66	13.62		15.45	



Reduced Power for NSA DSI 4

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				16680	16730	16780		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	17.07	17.12	17.09	18.95	0.00
20	PI2 BPSK	1	53	17.06	17.12	17.09		
20	PI2 BPSK	1	104	17.00	17.04	17.08		
20	PI2 BPSK	50	0	17.01	17.09	17.05	18.95	0.00
20	PI2 BPSK	50	28	17.10	17.12	17.05	18.95	0.00
20	PI2 BPSK	50	56	17.02	17.10	17.09	18.95	0.00
20	PI2 BPSK	100	0	16.98	17.05	16.99		
20	QPSK	1	1	17.12	17.19	17.15		
20	QPSK	1	53	17.06	17.18	17.12	18.95	0.00
20	QPSK	1	104	17.03	17.08	17.12	18.95	0.00
20	QPSK	50	0	17.06	17.11	17.09		
20	QPSK	50	28	17.17	17.16	17.13		
20	QPSK	50	56	17.09	17.15	17.11	18.95	0.00
20	QPSK	100	0	17.05	17.07	17.01		
20	16QAM	1	1	17.04	17.11	17.08	18.95	0.00
20	64QAM	1	1	17.03	17.09	17.02	18.95	0.00
20	256QAM	1	1	17.10	17.14	17.08	18.95	0.00
Channel				16830	16730	16830	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	18.95	0.00
15	QPSK	1	1	17.09	17.18	17.11		
Channel				16580	16730	16680	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	18.95	0.00
10	QPSK	1	1	17.10	17.16	17.14		
Channel				16530	16730	16530	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	18.95	0.00
5	QPSK	1	1	17.07	17.13	17.08		

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	13.03	13.05	12.85	13.7	0.0
20	PI2 BPSK	1	53	12.86	12.90	12.65		
20	PI2 BPSK	1	104	12.80	12.77	12.62		
20	PI2 BPSK	50	0	12.98	13.03	12.74	13.7	0.0
20	PI2 BPSK	50	28	12.96	13.03	12.77	13.7	0.0
20	PI2 BPSK	50	56	12.80	12.85	12.60	13.7	0.0
20	PI2 BPSK	100	0	12.73	12.80	12.55		
20	QPSK	1	1	13.04	13.12	12.91		
20	QPSK	1	53	12.90	12.93	12.69	13.7	0.0
20	QPSK	1	104	12.78	12.85	12.73		
20	QPSK	50	0	12.96	13.07	12.82		
20	QPSK	50	28	13.01	13.09	12.86	13.7	0.0
20	QPSK	50	56	12.84	12.92	12.62		
20	QPSK	100	0	12.73	12.78	12.63		
20	16QAM	1	1	13.01	13.03	12.84	13.7	0.0
20	64QAM	1	1	12.83	12.86	12.63	13.7	0.0
20	256QAM	1	1	12.73	12.84	12.70	13.7	0.0
Channel				50100	50700	51200	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.01	13.11	12.90		
Channel				50100	50700	51300	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	12.97	13.10	12.85		
Channel				50050	50700	51350	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.00	13.11	12.84		

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.63	18.63	18.63	20.2	0.0
20	PI2 BPSK	1	53	18.57	18.60	18.60		
20	PI2 BPSK	1	104	18.53	18.51	18.40		
20	PI2 BPSK	50	0	18.48	18.52	18.59	20.2	0.0
20	PI2 BPSK	50	28	18.60	18.60	18.58	20.2	0.0
20	PI2 BPSK	50	56	18.50	18.58	18.49		
20	PI2 BPSK	100	0	18.43	18.46	18.55		
20	QPSK	1	1	18.60	18.69	18.63	20.2	0.0
20	QPSK	1	53	18.62	18.67	18.62		
20	QPSK	1	104	18.48	18.53	18.51		
20	QPSK	50	0	18.61	18.57	18.59	20.2	0.0
20	QPSK	50	28	18.62	18.67	18.60	20.2	0.0
20	QPSK	50	56	18.57	18.56	18.55		
20	QPSK	100	0	18.48	18.52	18.45		
20	16QAM	1	1	18.60	18.63	18.54	20.2	0.0
20	64QAM	1	1	18.59	18.62	18.59	20.2	0.0
20	256QAM	1	1	17.56	17.59	17.50	18.7	1.5
Channel				50100	50700	51200	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.62	18.63	18.62	20.2	0.0
Channel				50100	50700	51300	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.57	18.67	18.62	20.2	0.0
Channel				50050	50700	51350	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.62	18.65	18.59	20.2	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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	14.34	14.49	14.45	15.2	0.0	
20	PI2 BPSK	1	53	14.37	14.37	14.35			
20	PI2 BPSK	1	104	14.40	14.47	14.43			
20	PI2 BPSK	50	0	14.37	14.41	14.35	15.2	0.0	
20	PI2 BPSK	50	28	14.38	14.47	14.42	15.2	0.0	
20	PI2 BPSK	50	56	14.26	14.31	14.37	15.2	0.0	
20	PI2 BPSK	100	0	14.34	14.37	14.42			
20	QPSK	1	1	14.43	14.50	14.45			
20	QPSK	1	53	14.36	14.46	14.38	15.2	0.0	
20	QPSK	1	104	14.42	14.45	14.41	15.2	0.0	
20	QPSK	50	0	14.36	14.39	14.35			
20	QPSK	50	28	14.42	14.50	14.47			
20	QPSK	50	56	14.26	14.37	14.36	15.2	0.0	
20	QPSK	100	0	14.41	14.44	14.41			
20	16QAM	1	1	14.37	14.44	14.40	15.2	0.0	
20	64QAM	1	1	14.43	14.42	14.36	15.2	0.0	
20	256QAM	1	1	14.37	14.43	14.42	15.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	14.40	14.51	14.43	15.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	14.38	14.49	14.42	15.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	14.38	14.52	14.42	15.2	0.0	

n66_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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	18.94	18.98	18.89	20.2	0.0	
20	PI2 BPSK	1	53	18.76	18.80	18.67			
20	PI2 BPSK	1	104	18.74	18.81	18.72			
20	PI2 BPSK	50	0	18.90	18.90	18.82	20.2	0.0	
20	PI2 BPSK	50	28	18.89	18.89	18.89	20.2	0.0	
20	PI2 BPSK	50	56	18.74	18.74	18.64	20.2	0.0	
20	PI2 BPSK	100	0	18.89	18.81	18.67			
20	QPSK	1	1	18.90	18.92	18.93			
20	QPSK	1	53	18.76	18.79	18.77	20.2	0.0	
20	QPSK	1	104	18.81	18.91	18.79			
20	QPSK	50	0	18.88	18.94	18.83			
20	QPSK	50	28	18.97	18.98	18.85	20.2	0.0	
20	QPSK	50	56	18.74	18.76	18.71	20.2	0.0	
20	QPSK	100	0	18.73	18.84	18.73			
20	16QAM	1	1	18.92	18.97	18.86			
20	64QAM	1	1	18.96	19.00	18.92	20.2	0.0	
20	256QAM	1	1	17.53	17.53	17.50	18.7	1.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.98	18.98	18.88	20.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.98	18.98	18.91	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.93	18.95	18.88	20.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610	13.2	0.0	
20	PI/2 BPSK	1	1	12.31	12.41	12.35			
20	PI/2 BPSK	1	26	12.38	12.43	12.35	13.2	0.0	
20	PI/2 BPSK	1	49	12.28	12.32	12.31			
20	PI/2 BPSK	25	0	12.39	12.32	12.25	13.2	0.0	
20	PI/2 BPSK	25	13	12.31	12.37	12.29	13.2	0.0	
20	PI/2 BPSK	25	26	12.37	12.34	12.23	13.2	0.0	
20	PI/2 BPSK	50	0	12.25	12.32	12.27			
20	QPSK	1	1	12.42	12.45	12.43	13.2	0.0	
20	QPSK	1	26	12.36	12.41	12.42			
20	QPSK	1	49	12.38	12.31	12.38	13.2	0.0	
20	QPSK	25	0	12.37	12.34	12.31			
20	QPSK	25	13	12.40	12.44	12.34	13.2	0.0	
20	QPSK	25	26	12.35	12.41	12.31			
20	QPSK	50	0	12.36	12.42	12.38	13.2	0.0	
20	16QAM	1	1	12.35	12.34	12.30	13.2	0.0	
20	64QAM	1	1	12.31	12.44	12.29	13.2	0.0	
20	256QAM	1	1	12.38	12.43	12.32	13.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	12.36	12.41	12.42	13.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	12.40	12.41	12.37	13.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610	19.2	0.0	
20	PI/2 BPSK	1	1	17.40	17.39	17.29			
20	PI/2 BPSK	1	26	17.36	17.33	17.30	19.2	0.0	
20	PI/2 BPSK	1	49	17.45	17.30	17.31			
20	PI/2 BPSK	25	0	17.40	17.43	17.24	19.2	0.0	
20	PI/2 BPSK	25	13	17.34	17.43	17.30	19.2	0.0	
20	PI/2 BPSK	25	26	17.42	17.38	17.39	19.2	0.0	
20	PI/2 BPSK	50	0	17.38	17.44	17.33			
20	QPSK	1	1	17.43	17.54	17.43	19.2	0.0	
20	QPSK	1	26	17.33	17.39	17.29			
20	QPSK	1	49	17.33	17.37	17.35	19.2	0.0	
20	QPSK	25	0	17.29	17.36	17.23			
20	QPSK	25	13	17.39	17.48	17.42	19.2	0.0	
20	QPSK	25	26	17.24	17.34	17.37			
20	QPSK	50	0	17.31	17.35	17.30	19.2	0.0	
20	16QAM	1	1	17.41	17.37	17.33	19.2	0.0	
20	64QAM	1	1	17.36	17.34	17.35	19.2	0.0	
20	256QAM	1	1	17.50	17.53	17.47	18.7	0.5	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	17.37	17.47	17.39	19.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	17.39	17.49	17.36	19.2	0.0	



FCC_n41_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				505202	518598	538000	13.45	0.00	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	12.19	12.37	12.24			
100	PI/2 BPSK	1	137	12.28	12.31	12.31	13.45	0.00	
100	PI/2 BPSK	1	271	12.30	12.25	12.20			
100	PI/2 BPSK	135	0	12.38	12.23	12.31			
100	PI/2 BPSK	135	69	12.20	12.28	12.34	13.45	0.00	
100	PI/2 BPSK	135	138	12.34	12.36	12.32			
100	PI/2 BPSK	270	0	12.26	12.42	12.35			
100	QPSK	1	1	12.29	12.37	12.36	13.45	0.00	
100	QPSK	1	137	12.34	12.45	12.39			
100	QPSK	1	271	12.25	12.35	12.27			
100	QPSK	135	0	12.25	12.26	12.14	13.45	0.00	
100	QPSK	135	69	12.27	12.42	12.31			
100	QPSK	135	138	12.22	12.33	12.18			
100	QPSK	270	0	12.24	12.25	12.25	13.45	0.00	
100	16QAM	1	1	12.30	12.34	12.27			
100	64QAM	1	1	12.18	12.29	12.25		13.45	
100	256QAM	1	1	12.27	12.32	12.30			
Channel				505200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	13.45	0.00	
90	QPSK	1	1	12.28	12.43	12.32			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	13.45	0.00	
80	QPSK	1	1	12.28	12.44	12.35			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	13.45	0.00	
60	QPSK	1	1	12.32	12.42	12.38			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	13.45	0.00	
50	QPSK	1	1	12.27	12.42	12.37			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	13.45	0.00	
40	QPSK	1	1	12.33	12.41	12.32			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	13.45	0.00	
20	QPSK	1	1	12.27	12.39	12.33			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	13.45	0.00	
15	QPSK	1	1	12.30	12.42	12.34			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	13.45	0.00	
10	QPSK	1	1	12.30	12.41	12.36			

FCC_n41_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				505202	518598	538000	18.00	19.7	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.10	18.00	18.07			
100	PI/2 BPSK	1	137	18.09	18.19	18.01	18.01	0.0	
100	PI/2 BPSK	1	271	18.01	18.12	18.01			
100	PI/2 BPSK	135	0	18.01	18.14	18.06			
100	PI/2 BPSK	135	69	18.02	18.16	18.07	18.07	19.7	
100	PI/2 BPSK	135	138	18.08	18.10	18.08			
100	PI/2 BPSK	270	0	18.10	18.08	18.01			
100	QPSK	1	1	18.16	18.11	18.12	18.12	19.7	
100	QPSK	1	137	18.20	18.21	18.13			
100	QPSK	1	271	17.99	17.99	17.98			
100	QPSK	135	0	18.11	18.04	17.98	18.04	19.7	
100	QPSK	135	69	18.13	18.15	18.05			
100	QPSK	135	138	18.05	18.04	17.95			
100	QPSK	270	0	18.05	18.10	18.08	18.10	19.7	
100	16QAM	1	1	18.07	18.14	17.95			
100	64QAM	1	1	17.99	18.13	18.01		19.7	
100	256QAM	1	1	17.35	17.38	17.36			
Channel				505200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	18.14	19.7	
90	QPSK	1	1	18.14	18.14	18.10			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	18.17	19.7	
80	QPSK	1	1	18.18	18.17	18.07			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	18.13	19.7	
60	QPSK	1	1	18.13	18.18	18.11			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	18.17	19.7	
50	QPSK	1	1	18.17	18.15	18.11			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	18.14	19.7	
40	QPSK	1	1	18.14	18.16	18.12			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	18.15	19.7	
20	QPSK	1	1	18.15	18.16	18.11			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	18.18	19.7	
15	QPSK	1	1	18.18	18.16	18.07			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	18.14	19.7	
10	QPSK	1	1	18.14	18.18	18.10			



Reduced Power for NSA DSI 5

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	23.2	0.0			
Frequency (MHz)				834	836.5	839					
20	PI2 BPSK	1	1	21.56	21.65	21.61					
20	PI2 BPSK	1	53	21.54	21.66	21.57					
20	PI2 BPSK	1	104	21.52	21.56	21.56	23.2	0.0			
20	PI2 BPSK	50	0	21.54	21.60	21.58					
20	PI2 BPSK	50	28	21.61	21.66	21.51					
20	PI2 BPSK	50	56	21.53	21.58	21.54					
20	PI2 BPSK	100	0	21.42	21.45	21.49	23.2	0.0			
20	QPSK	1	1	21.60	21.69	21.63	23.2	0.0			
20	QPSK	1	53	21.59	21.67	21.62					
20	QPSK	1	104	21.52	21.60	21.57					
20	QPSK	50	0	21.59	21.59	21.56					
20	QPSK	50	28	21.65	21.65	21.62	23.2	0.0			
20	QPSK	50	56	21.58	21.61	21.60	23.2	0.0			
20	QPSK	100	0	21.53	21.55	21.49	23.2	0.0			
20	16QAM	1	1	21.53	21.64	21.58	23.2	0.0			
20	64QAM	1	1	19.87	19.91	19.87	21.7	1.5			
20	256QAM	1	1	18.66	18.61	18.64	19.7	3.5			
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				831.5	836.5	841.5	23.2	0.0			
15	QPSK	1	1	21.59	21.64	21.58					
Channel				166800	167300	168800	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				826	836.5	844	23.2			0.0	
10	QPSK	1	1	21.55	21.68	21.61					
Channel				165300	167300	169300	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				826.5	836.5	846.5	23.2	0.0			
5	QPSK	1	1	21.58	21.65	21.61					

n7_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				502000	507000	512000	16.95	0.00			
Frequency (MHz)				2510	2535	2560					
20	PI2 BPSK	1	1	16.05	16.12	15.88					
20	PI2 BPSK	1	53	15.92	15.89	15.65					
20	PI2 BPSK	1	104	15.77	15.86	15.68	16.95	0.00			
20	PI2 BPSK	50	0	16.00	16.02	15.80					
20	PI2 BPSK	50	28	16.05	16.03	15.80					
20	PI2 BPSK	50	56	15.88	15.88	15.66					
20	PI2 BPSK	100	0	15.79	15.80	15.67	16.95	0.00			
20	QPSK	1	1	16.07	16.15	15.92	16.95	0.00			
20	QPSK	1	53	15.95	16.00	15.71					
20	QPSK	1	104	15.87	15.90	15.72					
20	QPSK	50	0	16.00	16.09	15.80					
20	QPSK	50	28	16.08	16.11	15.85	16.95	0.00			
20	QPSK	50	56	15.89	15.96	15.66	16.95	0.00			
20	QPSK	100	0	15.79	15.85	15.66	16.95	0.00			
20	16QAM	1	1	16.03	16.10	15.83	16.95	0.00			
20	64QAM	1	1	15.86	15.93	15.73	16.95	0.00			
20	256QAM	1	1	15.80	15.89	15.69	16.95	0.00			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5	16.95	0.00			
15	QPSK	1	1	16.06	16.10	15.86					
Channel				501000	507000	513000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.95			0.00	
10	QPSK	1	1	16.02	16.14	15.91					
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5	16.95	0.00			
5	QPSK	1	1	16.01	16.13	15.88					

n7_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				502000	507000	512000	17.95	0.00			
Frequency (MHz)				2510	2535	2560					
20	PI2 BPSK	1	1	16.14	16.08	16.13					
20	PI2 BPSK	1	53	16.10	16.11	16.06					
20	PI2 BPSK	1	104	15.98	16.02	16.05	17.95	0.00			
20	PI2 BPSK	50	0	15.99	16.04	16.07					
20	PI2 BPSK	50	28	16.09	16.08	16.07					
20	PI2 BPSK	50	56	16.06	16.07	15.96					
20	PI2 BPSK	100	0	15.95	16.01	16.08	17.95	0.00			
20	QPSK	1	1	16.14	16.18	16.11					
20	QPSK	1	53	16.11	16.14	16.08					
20	QPSK	1	104	15.98	16.05	15.97					
20	QPSK	50	0	16.11	16.05	16.13	17.95	0.00			
20	QPSK	50	28	16.12	16.14	16.13					
20	QPSK	50	56	16.09	16.06	16.03					
20	QPSK	100	0	15.97	16.02	15.95					
20	16QAM	1	1	16.07	16.17	16.05	17.95	0.00			
20	64QAM	1	1	16.10	16.14	16.09					
20	256QAM	1	1	16.12	16.15	16.07					
Channel				501500	507000	512500				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	17.95	0.00			
15	QPSK	1	1	16.08	16.14	16.08					
Channel				501000	507000	513000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2506	2535	2565	17.95			0.00	
10	QPSK	1	1	16.07	16.17	16.08					
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5	17.95	0.00			
5	QPSK	1	1	16.09	16.17	16.04					

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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	17.35	17.49	17.67	18.45	0.00
20	PI2 BPSK	1	53	17.34	17.39	17.32		
20	PI2 BPSK	1	104	17.37	17.44	17.42	18.45	0.00
20	PI2 BPSK	50	0	17.35	17.39	17.33		
20	PI2 BPSK	50	28	17.35	17.43	17.38	18.45	0.00
20	PI2 BPSK	50	56	17.26	17.31	17.33	18.45	0.00
20	PI2 BPSK	100	0	17.36	17.39	17.40		
20	QPSK	1	1	17.43	17.50	17.47	18.45	0.00
20	QPSK	1	63	17.32	17.46	17.40		
20	QPSK	1	104	17.42	17.44	17.41	18.45	0.00
20	QPSK	50	0	17.35	17.38	17.37		
20	QPSK	50	28	17.43	17.46	17.46	18.45	0.00
20	QPSK	50	56	17.27	17.37	17.35	18.45	0.00
20	QPSK	100	0	17.37	17.43	17.41		
20	16QAM	1	1	17.37	17.42	17.42	18.45	0.00
20	64QAM	1	1	17.41	17.40	17.38	18.45	0.00
20	256QAM	1	1	17.33	17.43	17.43	18.45	0.00
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.39	17.44	17.43	18.45	0.00
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.40	17.48	17.40	18.45	0.00
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.39	17.47	17.40	18.45	0.00

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				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	18.34	18.59	18.59	20.2	0.0
20	PI2 BPSK	1	53	18.76	18.80	18.67		
20	PI2 BPSK	1	104	18.74	18.81	18.72	20.2	0.0
20	PI2 BPSK	50	0	18.90	18.90	18.62		
20	PI2 BPSK	50	28	18.89	18.89	18.89	20.2	0.0
20	PI2 BPSK	50	56	18.74	18.74	18.64		
20	PI2 BPSK	100	0	18.89	18.81	18.67	20.2	0.0
20	QPSK	1	1	18.95	19.02	18.93		
20	QPSK	1	53	18.76	18.79	18.77	20.2	0.0
20	QPSK	1	104	18.81	18.91	18.79		
20	QPSK	50	0	18.88	18.94	18.83	20.2	0.0
20	QPSK	50	28	18.97	18.98	18.85		
20	QPSK	50	56	18.74	18.76	18.71	20.2	0.0
20	QPSK	100	0	18.73	18.84	18.73		
20	16QAM	1	1	18.92	18.97	18.86	20.2	0.0
20	64QAM	1	1	18.96	19.00	18.92	20.2	0.0
20	256QAM	1	1	17.53	17.53	17.50	18.7	1.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.98	18.98	18.88	20.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.98	18.98	18.91	20.2	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.93	18.95	18.88	20.2	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	15.73	15.82	15.75	16.7	0.0	
20	PI/2 BPSK	1	26	15.77	15.81	15.74			
20	PI/2 BPSK	1	49	15.66	15.74	15.71			
20	PI/2 BPSK	25	0	15.76	15.72	15.62	16.7	0.0	
20	PI/2 BPSK	25	13	15.71	15.77	15.67	16.7	0.0	
20	PI/2 BPSK	25	26	15.73	15.72	15.65	16.7	0.0	
20	PI/2 BPSK	50	0	15.66	15.74	15.65			
20	QPSK	1	1	15.78	15.83	15.76	16.7	0.0	
20	QPSK	1	26	15.78	15.82	15.75			
20	QPSK	1	49	15.74	15.73	15.75			
20	QPSK	25	0	15.77	15.74	15.70	16.7	0.0	
20	QPSK	25	13	15.78	15.80	15.76			
20	QPSK	25	26	15.76	15.79	15.70			
20	QPSK	50	0	15.73	15.76	15.77	16.7	0.0	
20	16QAM	1	1	15.74	15.76	15.66	16.7	0.0	
20	64QAM	1	1	15.69	15.80	15.70	16.7	0.0	
20	256QAM	1	1	15.76	15.80	15.68	16.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	15.71	15.78	15.77	16.7	0.0	
Channel				519004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)		
10	QPSK	1	1	15.77	15.79	15.77	16.7	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				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	PI/2 BPSK	1	1	14.47	14.45	14.33	16.2	0.0	
20	PI/2 BPSK	1	26	14.38	14.34	14.35			
20	PI/2 BPSK	1	49	14.48	14.37	14.38			
20	PI/2 BPSK	25	0	14.42	14.47	14.29	16.2	0.0	
20	PI/2 BPSK	25	13	14.39	14.49	14.34	16.2	0.0	
20	PI/2 BPSK	25	26	14.44	14.42	14.41	16.2	0.0	
20	PI/2 BPSK	50	0	14.42	14.49	14.34			
20	QPSK	1	1	14.50	14.55	14.50	16.2	0.0	
20	QPSK	1	26	14.37	14.44	14.33			
20	QPSK	1	49	14.35	14.43	14.41			
20	QPSK	25	0	14.31	14.38	14.25	16.2	0.0	
20	QPSK	25	13	14.46	14.50	14.44			
20	QPSK	25	26	14.30	14.40	14.42			
20	QPSK	50	0	14.32	14.38	14.35	16.2	0.0	
20	16QAM	1	1	14.46	14.40	14.36	16.2	0.0	
20	64QAM	1	1	14.38	14.39	14.36	16.2	0.0	
20	256QAM	1	1	14.29	14.41	14.27	16.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	14.47	14.48	14.46	16.2	0.0	
Channel				519004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)		
10	QPSK	1	1	14.44	14.49	14.48	16.2	0.0	

FCC_n41_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	518598	528000	16.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.20	15.35	15.23			
100	PI/2 BPSK	1	137	15.30	15.29	15.28	16.2	0.0	
100	PI/2 BPSK	1	271	15.31	15.26	15.22			
100	PI/2 BPSK	135	0	15.38	15.25	15.31			
100	PI/2 BPSK	135	69	15.22	15.28	15.32	16.2	0.0	
100	PI/2 BPSK	135	138	15.34	15.32	15.31			
100	PI/2 BPSK	270	0	15.28	15.38	15.31			
100	QPSK	1	1	15.31	15.33	15.32	16.2	0.0	
100	QPSK	1	137	15.36	15.47	15.33			
100	QPSK	1	271	15.24	15.32	15.29			
100	QPSK	135	0	15.22	15.27	15.11	16.2	0.0	
100	QPSK	135	69	15.27	15.40	15.30			
100	QPSK	135	138	15.22	15.31	15.15			
100	QPSK	270	0	15.22	15.27	15.23	16.2	0.0	
100	16QAM	1	1	15.30	15.30	15.29			
100	64QAM	1	1	15.20	15.30	15.22		0.0	
100	256QAM	1	1	15.23	15.30	15.31			
Channel				505200	518598	528996	16.2	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.30	15.41	15.29			
Channel				507204	518598	529998	16.2	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.29	15.40	15.30			
Channel				505200	518598	531996	16.2	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	1	15.33	15.42	15.27			
Channel				504204	518598	532998	16.2	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.34	15.42	15.29			
Channel				503202	518598	534000	16.2	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.31	15.45	15.28			
Channel				501204	518598	535998	16.2	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.30	15.45	15.30			
Channel				500700	518598	536496	16.2	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	15.35	15.45	15.32			
Channel				500202	518598	537000	16.2	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.35	15.44	15.26			

FCC_n41_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				509202	518598	528000	15.45	0.00	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	13.80	13.55	13.57			
100	PI/2 BPSK	1	137	13.56	13.68	13.51	15.45	0.00	
100	PI/2 BPSK	1	271	13.49	13.58	13.54			
100	PI/2 BPSK	135	0	13.52	13.64	13.59			
100	PI/2 BPSK	135	69	13.54	13.67	13.63	15.45	0.00	
100	PI/2 BPSK	135	138	13.58	13.61	13.57			
100	PI/2 BPSK	270	0	13.57	13.59	13.52			
100	QPSK	1	1	13.62	13.62	13.62	15.45	0.00	
100	QPSK	1	137	13.65	13.71	13.63			
100	QPSK	1	271	13.52	13.55	13.53			
100	QPSK	135	0	13.55	13.54	13.52	15.45	0.00	
100	QPSK	135	69	13.60	13.62	13.59			
100	QPSK	135	138	13.54	13.56	13.42			
100	QPSK	270	0	13.56	13.60	13.56	15.45	0.00	
100	16QAM	1	1	13.58	13.61	13.49			
100	64QAM	1	1	13.50	13.61	13.54		0.00	
100	256QAM	1	1	13.58	13.56	13.58			
Channel				508200	518598	528996	15.45	0.00	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	13.58	13.68	13.60			
Channel				507204	518598	529998	15.45	0.00	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	13.58	13.69	13.62			
Channel				505200	518598	531996	15.45	0.00	
Frequency (MHz)				2526	2592.99	2659.98			
80	QPSK	1	1	13.62	13.64	13.58			
Channel				504204	518598	532998	15.45	0.00	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	13.58	13.68	13.59			
Channel				503202	518598	534000	15.45	0.00	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	13.63	13.68	13.60			
Channel				501204	518598	535998	15.45	0.00	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	13.58	13.67	13.60			
Channel				500700	518598	536496	15.45	0.00	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	13.64	13.70	13.56			
Channel				500202	518598	537000	15.45	0.00	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	13.59	13.66	13.62			



Reduced Power for NSA DSI 6

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	17.07	17.12	17.09	18.95	0.00
20	PI2 BPSK	1	53	17.06	17.12	17.09		
20	PI2 BPSK	1	104	17.00	17.04	17.06		
20	PI2 BPSK	50	0	17.07	17.09	17.05	18.95	0.00
20	PI2 BPSK	50	28	17.10	17.12	17.05	18.95	0.00
20	PI2 BPSK	50	56	17.02	17.10	17.09		
20	PI2 BPSK	100	0	16.98	17.05	16.99	18.95	0.00
20	QPSK	1	1	17.12	17.19	17.15	18.95	0.00
20	QPSK	1	53	17.06	17.18	17.12		
20	QPSK	1	104	17.03	17.09	17.12		
20	QPSK	50	0	17.08	17.11	17.09	18.95	0.00
20	QPSK	50	28	17.11	17.16	17.13	18.95	0.00
20	QPSK	50	56	17.09	17.15	17.11		
20	QPSK	100	0	17.05	17.07	17.01	18.95	0.00
20	16QAM	1	1	17.04	17.11	17.08	18.95	0.00
20	64QAM	1	1	17.03	17.09	17.02	18.95	0.00
20	256QAM	1	1	17.10	17.14	17.08	18.95	0.00
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	17.09	17.18	17.11	18.95	0.00
Channel				166900	167300	168600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	17.10	17.16	17.14	18.95	0.00
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	17.07	17.13	17.08	18.95	0.00

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	13.03	13.05	12.85	13.7	0.0
20	PI2 BPSK	1	53	12.86	12.90	12.65		
20	PI2 BPSK	1	104	12.80	12.77	12.62		
20	PI2 BPSK	50	0	12.98	13.03	12.74	13.7	0.0
20	PI2 BPSK	50	28	12.96	13.03	12.77	13.7	0.0
20	PI2 BPSK	50	56	12.80	12.85	12.60		
20	PI2 BPSK	100	0	12.73	12.80	12.55	13.7	0.0
20	QPSK	1	1	13.02	13.12	12.91	13.7	0.0
20	QPSK	1	53	12.90	12.93	12.69		
20	QPSK	1	104	12.76	12.85	12.73		
20	QPSK	50	0	12.86	13.07	12.82	13.7	0.0
20	QPSK	50	28	13.01	13.09	12.80	13.7	0.0
20	QPSK	50	56	12.84	12.92	12.62		
20	QPSK	100	0	12.73	12.76	12.63	13.7	0.0
20	16QAM	1	1	13.01	13.03	12.84	13.7	0.0
20	64QAM	1	1	12.83	12.88	12.63	13.7	0.0
20	256QAM	1	1	12.73	12.84	12.70	13.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.01	13.11	12.90	13.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	12.97	13.10	12.85	13.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.00	13.11	12.84	13.7	0.0

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.63	18.63	18.63	20.2	0.0
20	PI2 BPSK	1	53	18.57	18.60	18.60		
20	PI2 BPSK	1	104	18.53	18.51	18.40		
20	PI2 BPSK	50	0	18.48	18.52	18.59	20.2	0.0
20	PI2 BPSK	50	28	18.60	18.60	18.58	20.2	0.0
20	PI2 BPSK	50	56	18.50	18.58	18.49		
20	PI2 BPSK	100	0	18.43	18.46	18.55	20.2	0.0
20	QPSK	1	1	18.63	18.68	18.63	20.2	0.0
20	QPSK	1	53	18.62	18.67	18.62		
20	QPSK	1	104	18.48	18.53	18.51		
20	QPSK	50	0	18.61	18.57	18.59	20.2	0.0
20	QPSK	50	28	18.62	18.67	18.60	20.2	0.0
20	QPSK	50	56	18.57	18.56	18.55		
20	QPSK	100	0	18.48	18.52	18.45	20.2	0.0
20	16QAM	1	1	18.60	18.63	18.54	20.2	0.0
20	64QAM	1	1	18.59	18.62	18.59	20.2	0.0
20	256QAM	1	1	17.56	17.59	17.50	18.7	1.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.62	18.63	18.62	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.57	18.67	18.62	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.62	18.65	18.59	20.2	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	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	14.34	14.49	14.45	15.2	0.0	
20	PI/2 BPSK	1	53	14.37	14.37	14.35			
20	PI/2 BPSK	1	104	14.40	14.47	14.43			
20	PI/2 BPSK	50	0	14.37	14.41	14.35			
20	PI/2 BPSK	50	28	14.38	14.47	14.42	15.2	0.0	
20	PI/2 BPSK	50	56	14.26	14.31	14.37	15.2	0.0	
20	PI/2 BPSK	100	0	14.34	14.37	14.42			
20	QPSK	1	1	14.43	14.53	14.46			
20	QPSK	1	53	14.36	14.46	14.38			
20	QPSK	1	104	14.42	14.45	14.41	15.2	0.0	
20	QPSK	50	0	14.38	14.39	14.35			
20	QPSK	50	28	14.42	14.50	14.47			
20	QPSK	50	56	14.26	14.37	14.36			
20	QPSK	100	0	14.41	14.44	14.41	15.2	0.0	
20	16QAM	1	1	14.37	14.44	14.40			
20	64QAM	1	1	14.43	14.42	14.36			
20	256QAM	1	1	14.37	14.43	14.42			
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	14.40	14.51	14.43	15.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	14.38	14.49	14.42	15.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	14.38	14.52	14.42	15.2	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	350000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.94	18.98	18.89	20.2	0.0	
20	PI/2 BPSK	1	53	18.76	18.80	18.67			
20	PI/2 BPSK	1	104	18.74	18.81	18.72			
20	PI/2 BPSK	50	0	18.90	18.90	18.82			
20	PI/2 BPSK	50	28	18.89	18.89	18.89	20.2	0.0	
20	PI/2 BPSK	50	56	18.74	18.74	18.64	20.2	0.0	
20	PI/2 BPSK	100	0	18.69	18.81	18.67			
20	QPSK	1	1	18.98	19.02	18.93			
20	QPSK	1	53	18.76	18.79	18.77			
20	QPSK	1	104	18.81	18.91	18.79	20.2	0.0	
20	QPSK	50	0	18.88	18.94	18.83			
20	QPSK	50	28	18.97	18.98	18.85			
20	QPSK	50	56	18.74	18.76	18.71			
20	QPSK	100	0	18.73	18.64	18.73	20.2	0.0	
20	16QAM	1	1	18.92	18.97	18.86	20.2	0.0	
20	64QAM	1	1	18.96	19.00	18.92	20.2	0.0	
20	256QAM	1	1	17.83	17.83	17.50	18.7	1.5	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	18.98	18.98	18.88	20.2	0.0	
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.98	18.98	18.91	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	18.93	18.95	18.88	20.2	0.0	



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	519000	522000			
Frequency (MHz)				2592	2595	2610			
20	PV2 BPSK	1	1	12.31	12.41	12.36	13.2	0.0	
20	PV2 BPSK	1	26	12.36	12.43	12.35			
20	PV2 BPSK	1	49	12.26	12.32	12.31			
20	PV2 BPSK	25	0	12.39	12.32	12.26	13.2	0.0	
20	PV2 BPSK	25	13	12.31	12.37	12.29	13.2	0.0	
20	PV2 BPSK	25	26	12.37	12.34	12.23	13.2	0.0	
20	PV2 BPSK	50	0	12.25	12.32	12.27			
20	QPSK	1	1	12.45	12.45	12.43			
20	QPSK	1	26	12.36	12.41	12.42	13.2	0.0	
20	QPSK	1	49	12.36	12.31	12.36	13.2	0.0	
20	QPSK	25	0	12.37	12.34	12.31			
20	QPSK	25	13	12.45	12.44	12.34			
20	QPSK	25	26	12.36	12.41	12.31	13.2	0.0	
20	QPSK	50	0	12.36	12.42	12.38			
20	ISAM	1	1	12.36	12.34	12.36			
20	ISAM	1	1	12.31	12.44	12.29	13.2	0.0	
20	256QAM	1	1	12.36	12.43	12.32	13.2	0.0	
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	12.34	12.41	12.42	13.2	0.0	
Channel				519004	519000	522008	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2593.02	2595	2614.98	(dBm)		
10	QPSK	1	1	12.46	12.41	12.37	13.2	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				516000	519000	522000			
Frequency (MHz)				2592	2595	2610			
20	PV2 BPSK	1	1	17.40	17.38	17.29	19.2	0.0	
20	PV2 BPSK	1	26	17.36	17.33	17.30			
20	PV2 BPSK	1	49	17.45	17.30	17.31			
20	PV2 BPSK	25	0	17.40	17.43	17.24	19.2	0.0	
20	PV2 BPSK	25	13	17.34	17.43	17.35	19.2	0.0	
20	PV2 BPSK	25	26	17.42	17.38	17.30	19.2	0.0	
20	PV2 BPSK	50	0	17.38	17.44	17.33			
20	QPSK	1	1	17.43	17.54	17.43			
20	QPSK	1	26	17.33	17.39	17.29	19.2	0.0	
20	QPSK	1	49	17.33	17.37	17.35	19.2	0.0	
20	QPSK	25	0	17.29	17.35	17.23			
20	QPSK	25	13	17.39	17.48	17.42			
20	QPSK	25	26	17.24	17.34	17.37	19.2	0.0	
20	QPSK	50	0	17.31	17.35	17.30			
20	ISAM	1	1	17.41	17.37	17.33			
20	ISAM	1	1	17.36	17.34	17.35	19.2	0.0	
20	256QAM	1	1	17.50	17.53	17.47	18.7	0.5	
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)		
15	QPSK	1	1	17.37	17.47	17.59	19.2	0.0	
Channel				519004	519000	522008	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2593.02	2595	2614.98	(dBm)		
10	QPSK	1	1	17.39	17.49	17.36	19.2	0.0	

FCC_n41_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				509002	518998	528000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PV2 BPSK	1	1	18.10	18.00	18.07	19.7	0.0	
100	PV2 BPSK	1	137	18.09	18.19	18.01			
100	PV2 BPSK	1	271	18.01	18.12	18.01			
100	PV2 BPSK	135	0	18.01	18.14	18.06	19.7	0.0	
100	PV2 BPSK	135	69	18.02	18.16	18.07	19.7	0.0	
100	PV2 BPSK	135	135	18.06	18.10	18.06	19.7	0.0	
100	PV2 BPSK	270	0	18.10	18.08	18.01			
100	QPSK	1	1	18.16	18.11	18.12			
100	QPSK	1	137	18.05	18.21	18.13	19.7	0.0	
100	QPSK	1	271	17.99	17.99	17.98			
100	QPSK	135	0	18.11	18.04	17.98			
100	QPSK	135	69	18.13	18.15	18.00	19.7	0.0	
100	QPSK	135	135	18.06	18.04	17.95			
100	QPSK	270	0	18.05	18.10	18.08			
100	ISAM	1	1	18.07	18.14	17.95	19.7	0.0	
100	256QAM	1	1	17.99	18.13	18.01	19.7	0.0	
100	256QAM	1	1	17.35	17.38	17.36	18.7	1.0	
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	18.14	18.14	18.10	19.7	0.0	
Channel				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18.18	18.17	18.07	19.7	0.0	
80	QPSK	1	1	18.18	18.17	18.07	19.7	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2658.98	19.7	0.0	
60	QPSK	1	1	18.13	18.18	18.11	19.7	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	19.7	0.0	
50	QPSK	1	1	18.17	18.15	18.11	19.7	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.7	0.0	
40	QPSK	1	1	18.14	18.16	18.12	19.7	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2678.99	19.7	0.0	
20	QPSK	1	1	18.10	18.16	18.11	19.7	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.7	0.0	
15	QPSK	1	1	18.18	18.16	18.07	19.7	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2493.01	2592.99	2685	19.7	0.0	
10	QPSK	1	1	18.14	18.18	18.10	19.7	0.0	



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CA 7C_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					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.37	23.50
21100	21298	QPSK	1	0	0	0	1	0	Full Power	22.46	23.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.58	23.50
20850	21048	QPSK	1	0	0	0	1	0	DS1	21.74	22.50
21100	21298	QPSK	1	0	0	0	1	0	DS11	21.66	22.50
21350	21152	QPSK	1	0	0	0	1	0	DS11	21.75	22.50
20850	21048	QPSK	1	0	0	0	1	0	DS12	22.37	23.50
21100	21298	QPSK	1	0	0	0	1	0	DS12	22.46	23.50
21350	21152	QPSK	1	0	0	0	1	0	DS12	22.58	23.50
20850	21048	QPSK	1	0	0	0	1	0	DS13	20.64	21.50
21100	21298	QPSK	1	0	0	0	1	0	DS13	20.62	21.50
21350	21152	QPSK	1	0	0	0	1	0	DS13	20.67	21.50
20850	21048	QPSK	1	0	0	0	1	0	DS14	22.37	23.50
21100	21298	QPSK	1	0	0	0	1	0	DS14	22.46	23.50
21350	21152	QPSK	1	0	0	0	1	0	DS14	22.58	23.50
20850	21048	QPSK	1	0	0	0	1	0	DS15	20.74	21.50
21100	21298	QPSK	1	0	0	0	1	0	DS15	20.72	21.50
21350	21152	QPSK	1	0	0	0	1	0	DS15	20.77	21.50
20850	21048	QPSK	1	0	0	0	1	0	DS16	22.37	23.50
21100	21298	QPSK	1	0	0	0	1	0	DS16	22.46	23.50
21350	21152	QPSK	1	0	0	0	1	0	DS16	22.58	23.50

CA 7C_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					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.55	23.50
21100	21298	QPSK	1	0	0	0	1	0	Full Power	22.26	23.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.72	23.50
20850	21048	QPSK	1	0	0	0	1	0	DS11	19.45	20.50
21100	21298	QPSK	1	0	0	0	1	0	DS11	19.22	20.50
21350	21152	QPSK	1	0	0	0	1	0	DS11	19.68	20.50
20850	21048	QPSK	1	0	0	0	1	0	DS12	15.52	16.00
21100	21298	QPSK	1	0	0	0	1	0	DS12	15.20	16.00
21350	21152	QPSK	1	0	0	0	1	0	DS12	15.70	16.00
20850	21048	QPSK	1	0	0	0	1	0	DS13	17.43	18.00
21100	21298	QPSK	1	0	0	0	1	0	DS13	17.23	18.00
21350	21152	QPSK	1	0	0	0	1	0	DS13	17.65	18.00
20850	21048	QPSK	1	0	0	0	1	0	DS14	15.52	16.00
21100	21298	QPSK	1	0	0	0	1	0	DS14	15.20	16.00
21350	21152	QPSK	1	0	0	0	1	0	DS14	15.70	16.00
20850	21048	QPSK	1	0	0	0	1	0	DS15	17.43	18.00
21100	21298	QPSK	1	0	0	0	1	0	DS15	17.23	18.00
21350	21152	QPSK	1	0	0	0	1	0	DS15	17.65	18.00
20850	21048	QPSK	1	0	0	0	1	0	DS16	14.48	15.00
21100	21298	QPSK	1	0	0	0	1	0	DS16	14.16	15.00
21350	21152	QPSK	1	0	0	0	1	0	DS16	14.67	15.00



CA_7C_Ant 2									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	0	0	0	1	0	Full Power
21100	21298	QPSK	1	0	0	0	1	0	Full Power
21350	21152	QPSK	1	0	0	0	1	0	Full Power
20850	21048	QPSK	1	0	0	0	1	0	DS11
21100	21298	QPSK	1	0	0	0	1	0	DS11
21350	21152	QPSK	1	0	0	0	1	0	DS11
20850	21048	QPSK	1	0	0	0	1	0	DS12
21100	21298	QPSK	1	0	0	0	1	0	DS12
21350	21152	QPSK	1	0	0	0	1	0	DS12
20850	21048	QPSK	1	0	0	0	1	0	DS13
21100	21298	QPSK	1	0	0	0	1	0	DS13
21350	21152	QPSK	1	0	0	0	1	0	DS13
20850	21048	QPSK	1	0	0	0	1	0	DS14
21100	21298	QPSK	1	0	0	0	1	0	DS14
21350	21152	QPSK	1	0	0	0	1	0	DS14
20850	21048	QPSK	1	0	0	0	1	0	DS15
21100	21298	QPSK	1	0	0	0	1	0	DS15
21350	21152	QPSK	1	0	0	0	1	0	DS15
20850	21048	QPSK	1	0	0	0	1	0	DS16
21100	21298	QPSK	1	0	0	0	1	0	DS16
21350	21152	QPSK	1	0	0	0	1	0	DS16

CA_38C_Ant 0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	0	0	0	1	0	Full Power
37901	38099	QPSK	1	0	0	0	1	0	Full Power
38150	37952	QPSK	1	0	0	0	1	0	Full Power
37850	38048	QPSK	1	0	0	0	1	0	DS11
37901	38099	QPSK	1	0	0	0	1	0	DS11
38150	37952	QPSK	1	0	0	0	1	0	DS11
37850	38048	QPSK	1	0	0	0	1	0	DS12
37901	38099	QPSK	1	0	0	0	1	0	DS12
38150	37952	QPSK	1	0	0	0	1	0	DS12
37850	38048	QPSK	1	0	0	0	1	0	DS13
37901	38099	QPSK	1	0	0	0	1	0	DS13
38150	37952	QPSK	1	0	0	0	1	0	DS13
37850	38048	QPSK	1	0	0	0	1	0	DS14
37901	38099	QPSK	1	0	0	0	1	0	DS14
38150	37952	QPSK	1	0	0	0	1	0	DS14
37850	38048	QPSK	1	0	0	0	1	0	DS15
37901	38099	QPSK	1	0	0	0	1	0	DS15
38150	37952	QPSK	1	0	0	0	1	0	DS15
37850	38048	QPSK	1	0	0	0	1	0	DS16
37901	38099	QPSK	1	0	0	0	1	0	DS16
38150	37952	QPSK	1	0	0	0	1	0	DS16



CA_38C_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					
37850	38048	QPSK	1	0	0	0	1	0	Full Power	22.79	24.00
37901	38099	QPSK	1	0	0	0	1	0	Full Power	22.88	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full Power	22.83	24.00
37850	38048	QPSK	1	0	0	0	1	0	DS11	22.01	23.25
37901	38099	QPSK	1	0	0	0	1	0	DS11	22.09	23.25
38150	37952	QPSK	1	0	0	0	1	0	DS11	22.07	23.25
37850	38048	QPSK	1	0	0	0	1	0	DS12	16.78	18.00
37901	38099	QPSK	1	0	0	0	1	0	DS12	16.90	18.00
38150	37952	QPSK	1	0	0	0	1	0	DS12	16.83	18.00
37850	38048	QPSK	1	0	0	0	1	0	DS13	19.26	20.50
37901	38099	QPSK	1	0	0	0	1	0	DS13	19.33	20.50
38150	37952	QPSK	1	0	0	0	1	0	DS13	19.30	20.50
37850	38048	QPSK	1	0	0	0	1	0	DS14	16.78	18.00
37901	38099	QPSK	1	0	0	0	1	0	DS14	16.90	18.00
38150	37952	QPSK	1	0	0	0	1	0	DS14	16.83	18.00
37850	38048	QPSK	1	0	0	0	1	0	DS15	19.26	20.50
37901	38099	QPSK	1	0	0	0	1	0	DS15	19.33	20.50
38150	37952	QPSK	1	0	0	0	1	0	DS15	19.30	20.50
37850	38048	QPSK	1	0	0	0	1	0	DS16	15.78	17.00
37901	38099	QPSK	1	0	0	0	1	0	DS16	15.89	17.00
38150	37952	QPSK	1	0	0	0	1	0	DS16	15.82	17.00

CA_38C_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					
37850	38048	QPSK	1	0	0	0	1	0	Full Power	21.85	23.00
37901	38099	QPSK	1	0	0	0	1	0	Full Power	21.90	23.00
38150	37952	QPSK	1	0	0	0	1	0	Full Power	21.53	23.00
37850	38048	QPSK	1	0	0	0	1	0	DS11	19.32	20.50
37901	38099	QPSK	1	0	0	0	1	0	DS11	19.38	20.50
38150	37952	QPSK	1	0	0	0	1	0	DS11	19.03	20.50
37850	38048	QPSK	1	0	0	0	1	0	DS12	21.85	23.00
37901	38099	QPSK	1	0	0	0	1	0	DS12	21.90	23.00
38150	37952	QPSK	1	0	0	0	1	0	DS12	21.53	23.00
37850	38048	QPSK	1	0	0	0	1	0	DS13	18.33	19.50
37901	38099	QPSK	1	0	0	0	1	0	DS13	18.36	19.50
38150	37952	QPSK	1	0	0	0	1	0	DS13	18.04	19.50
37850	38048	QPSK	1	0	0	0	1	0	DS14	21.85	23.00
37901	38099	QPSK	1	0	0	0	1	0	DS14	21.90	23.00
38150	37952	QPSK	1	0	0	0	1	0	DS14	21.53	23.00
37850	38048	QPSK	1	0	0	0	1	0	DS15	18.33	19.50
37901	38099	QPSK	1	0	0	0	1	0	DS15	18.36	19.50
38150	37952	QPSK	1	0	0	0	1	0	DS15	18.04	19.50
37850	38048	QPSK	1	0	0	0	1	0	DS16	21.85	23.00
37901	38099	QPSK	1	0	0	0	1	0	DS16	21.90	23.00
38150	37952	QPSK	1	0	0	0	1	0	DS16	21.53	23.00



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	Full Power	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	Full Power	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	Full Power	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	Full Power	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full Power	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS11	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS11	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS11	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS11	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS11	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS12	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS12	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS12	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS12	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS12	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS13	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS13	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS13	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS13	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS13	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS14	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS14	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS14	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS14	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS14	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS15	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS15	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS15	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS15	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS15	23.01	24.50
39750	39948	QPSK	1	0	0	0	1	0	DS16	23.18	24.50
40185	40383	QPSK	1	0	0	0	1	0	DS16	23.30	24.50
40620	40818	QPSK	1	0	0	0	1	0	DS16	23.33	24.50
41055	41253	QPSK	1	0	0	0	1	0	DS16	23.28	24.50
41490	41292	QPSK	1	0	0	0	1	0	DS16	23.01	24.50

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	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	0	Full Power	23.36	24.50	
40185	40383	QPSK	1	0	0	0	1	0	0	Full Power	23.41	24.50	
40620	40818	QPSK	1	0	0	0	1	0	0	Full Power	23.45	24.50	
41055	41253	QPSK	1	0	0	0	1	0	0	Full Power	23.39	24.50	
41490	41292	QPSK	1	0	0	0	1	0	0	Full Power	23.25	24.50	
39750	39948	QPSK	1	0	0	0	1	0	0	DS11	21.79	22.75	
40185	40383	QPSK	1	0	0	0	1	0	0	DS11	21.82	22.75	
40620	40818	QPSK	1	0	0	0	1	0	0	DS11	21.85	22.75	
41055	41253	QPSK	1	0	0	0	1	0	0	DS11	21.76	22.75	
41490	41292	QPSK	1	0	0	0	1	0	0	DS11	21.68	22.75	
39750	39948	QPSK	1	0	0	0	1	0	0	DS12	17.26	18.00	
40185	40383	QPSK	1	0	0	0	1	0	0	DS12	17.30	18.00	
40620	40818	QPSK	1	0	0	0	1	0	0	DS12	17.35	18.00	
41055	41253	QPSK	1	0	0	0	1	0	0	DS12	17.29	18.00	
41490	41292	QPSK	1	0	0	0	1	0	0	DS12	17.16	18.00	
39750	39948	QPSK	1	0	0	0	1	0	0	DS13	19.56	20.25	
40185	40383	QPSK	1	0	0	0	1	0	0	DS13	19.59	20.25	
40620	40818	QPSK	1	0	0	0	1	0	0	DS13	19.63	20.25	
41055	41253	QPSK	1	0	0	0	1	0	0	DS13	19.53	20.25	
41490	41292	QPSK	1	0	0	0	1	0	0	DS13	19.43	20.25	
39750	39948	QPSK	1	0	0	0	1	0	0	DS14	17.26	18.00	
40185	40383	QPSK	1	0	0	0	1	0	0	DS14	17.30	18.00	
40620	40818	QPSK	1	0	0	0	1	0	0	DS14	17.35	18.00	
41055	41253	QPSK	1	0	0	0	1	0	0	DS14	17.29	18.00	
41490	41292	QPSK	1	0	0	0	1	0	0	DS14	17.16	18.00	
39750	39948	QPSK	1	0	0	0	1	0	0	DS15	19.56	20.25	
40185	40383	QPSK	1	0	0	0	1	0	0	DS15	19.59	20.25	
40620	40818	QPSK	1	0	0	0	1	0	0	DS15	19.63	20.25	
41055	41253	QPSK	1	0	0	0	1	0	0	DS15	19.53	20.25	
41490	41292	QPSK	1	0	0	0	1	0	0	DS15	19.43	20.25	
39750	39948	QPSK	1	0	0	0	1	0	0	DS16	16.12	17.00	
40185	40383	QPSK	1	0	0	0	1	0	0	DS16	16.18	17.00	
40620	40818	QPSK	1	0	0	0	1	0	0	DS16	16.22	17.00	
41055	41253	QPSK	1	0	0	0	1	0	0	DS16	16.14	17.00	
41490	41292	QPSK	1	0	0	0	1	0	0	DS16	16.01	17.00	

CA 41C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SOC		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	Full Power	22.48	23.50
40185	40383	QPSK	1	0	0	0	1	0	Full Power	22.58	23.50
40620	40818	QPSK	1	0	0	0	1	0	Full Power	22.65	23.50
41055	41253	QPSK	1	0	0	0	1	0	Full Power	22.03	23.50
41490	41292	QPSK	1	0	0	0	1	0	Full Power	21.59	23.50
39750	39948	QPSK	1	0	0	0	1	0	DS11	19.59	20.50
40185	40383	QPSK	1	0	0	0	1	0	DS11	19.71	20.50
40620	40818	QPSK	1	0	0	0	1	0	DS11	19.76	20.50
41055	41253	QPSK	1	0	0	0	1	0	DS11	19.12	20.50
41490	41292	QPSK	1	0	0	0	1	0	DS11	18.65	20.50
39750	39948	QPSK	1	0	0	0	1	0	DS12	22.48	23.50
40185	40383	QPSK	1	0	0	0	1	0	DS12	22.58	23.50
40620	40818	QPSK	1	0	0	0	1	0	DS12	22.65	23.50
41055	41253	QPSK	1	0	0	0	1	0	DS12	22.03	23.50
41490	41292	QPSK	1	0	0	0	1	0	DS12	21.59	23.50
39750	39948	QPSK	1	0	0	0	1	0	DS13	18.55	19.50
40185	40383	QPSK	1	0	0	0	1	0	DS13	18.68	19.50
40620	40818	QPSK	1	0	0	0	1	0	DS13	18.73	19.50
41055	41253	QPSK	1	0	0	0	1	0	DS13	18.18	19.50
41490	41292	QPSK	1	0	0	0	1	0	DS13	17.72	19.50
39750	39948	QPSK	1	0	0	0	1	0	DS14	22.48	23.50
40185	40383	QPSK	1	0	0	0	1	0	DS14	22.58	23.50
40620	40818	QPSK	1	0	0	0	1	0	DS14	22.65	23.50
41055	41253	QPSK	1	0	0	0	1	0	DS14	22.03	23.50
41490	41292	QPSK	1	0	0	0	1	0	DS14	21.59	23.50
39750	39948	QPSK	1	0	0	0	1	0	DS15	18.55	19.50
40185	40383	QPSK	1	0	0	0	1	0	DS15	18.68	19.50
40620	40818	QPSK	1	0	0	0	1	0	DS15	18.73	19.50
41055	41253	QPSK	1	0	0	0	1	0	DS15	18.18	19.50
41490	41292	QPSK	1	0	0	0	1	0	DS15	17.72	19.50
39750	39948	QPSK	1	0	0	0	1	0	DS16	22.48	23.50
40185	40383	QPSK	1	0	0	0	1	0	DS16	22.58	23.50
40620	40818	QPSK	1	0	0	0	1	0	DS16	22.65	23.50
41055	41253	QPSK	1	0	0	0	1	0	DS16	22.03	23.50
41490	41292	QPSK	1	0	0	0	1	0	DS16	21.59	23.50

Downlink CA Power

Full Power		2CC													
Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	5A-41A	Band 5	10M	836.5	20525	QPSK	1	25	Band 41	20M	2593	40620	23.57	23.75	
	5A-66A	Band 5	10M	836.5	20525	QPSK	1	25	Band 66	10M	2120	66536	23.63	23.75	
	7A-66A	Band 7	20M	2535	21100	QPSK	1	49	Band 66	20M	2155	66886	22.71	22.78	
	2A-5A	Band 2	20M	1880	18900	QPSK	1	49	Band 5	10M	881.5	2525	22.32	22.39	
	2A-7A	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	22.30	22.39	
	2A-12A	Band 2	20M	1880	18900	QPSK	1	49	Band 12	5M	731.5	5035	22.35	22.39	
	4A-5A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 5	10M	881.5	2525	22.71	22.77	
	4A-7A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 7	20M	2655	3100	22.70	22.77	
	5A-7A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	23.56	23.75	
	12A-66A	Band 12	10M	707.5	23095	QPSK	1	25	Band 66	20M	2155	66886	23.51	23.62	
	26A-41A	Band 26	15M	831.5	26865	QPSK	1	37	Band 41	20M	2593	40620	23.25	23.39	
	5A-38A	Band 5	10M	829	20450	QPSK	1	0	Band 38	5M	2614.8	38198	23.62	23.75	
	2A-4A	Band 2	20M	1880	18900	QPSK	1	49	Band 4	20M	2132.5	2175	22.24	22.39	
	38A-66A	Band 66	20M	1745	132322	QPSK	1	49	Band 38	20M	2595	38000	23.12	23.18	
	26A-38A	Band 26	15M	831.5	26865	QPSK	1	37	Band 38	5M	2614.8	38198	23.32	23.39	
Intra-Band	Non-Contiguous	2A-66A	Band 2	20M	1880	18900	QPSK	1	49	Band 66	20M	2155	66886	22.20	22.39
		7A-26A	Band 7	20M	2535	21100	QPSK	1	49	Band 26	15M	876.5	8865	22.75	22.78
		2A-38A	Band 2	20M	1880	18900	QPSK	1	49	Band 38	20M	2595	38000	22.37	22.39
		41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2506	39750	23.77	23.82
	Contiguous	7A-7A	Band 7	20M	2535	21100	QPSK	1	49	Band 7	5M	2687.5	3425	22.61	22.78
		2A-2A	Band 2	20M	1880	18900	QPSK	1	49	Band 2	5M	1987.5	1175	22.21	22.39
		66A-66A	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2121.8	66554	23.05	23.18
		4A-4A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	5M	2152.5	2375	22.73	22.77
		7B	Band 7	15M	2535	21100	QPSK	1	37	Band 7	5M	2664.30	3193	22.60	22.78
		2C	Band 2	20M	1870.1	18801	QPSK	1	49	Band 2	20M	1969.90	999	22.32	22.39
		38C	Band 38	20M	2580	37850	QPSK	1	49	Band 38	20M	2599.80	38048	22.94	23.39
		41C	Band 41	20M	2636.5	41055	QPSK	1	49	Band 41	20M	2569.30	40383	23.87	23.91
		7C	Band 7	20M	2535	21100	QPSK	1	49	Band 7	20M	2674.80	3298	22.71	22.78

BT/WLAN Power

<WLAN 2.4GHz FCC>

2.4GHz WLAN				Full		Head Standalone		Head Simultaneous		Body&Extremity Standalone		Body&Extremity Simultaneous		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.40	20.00	15.81	17.50	12.71	14.50	18.40	20.00	15.81	17.50	15.81	17.50	100.00
		6	2437	18.30	20.00	15.71	17.50	12.64	14.50	18.30	20.00	15.71	17.50	15.71	17.50	
		11	2462	18.30	20.00	15.70	17.50	12.63	14.50	18.30	20.00	15.70	17.50	15.70	17.50	
	802.11g 6Mbps	1	2412	17.20	19.00	15.60	17.50	12.50	14.50	17.20	19.00	15.60	17.50	15.60	17.50	97.96
		6	2437	17.10	19.00	15.51	17.50	12.51	14.50	17.10	19.00	15.51	17.50	15.51	17.50	
		11	2462	17.10	19.00	15.54	17.50	12.58	14.50	17.10	19.00	15.54	17.50	15.54	17.50	
	802.11n-HT20 MCS0	1	2412	14.70	16.50		16.50		14.50		14.70	16.50		16.50	16.50	97.30
		6	2437	17.20	19.00		17.50		14.50		19.00	17.50		17.50	17.50	
		11	2462	15.80	17.50		17.50		14.50		17.50	17.50		17.50	17.50	
	802.11n-HT40 MCS0	3	2422	12.50	14.00		14.00		14.00		14.00	14.00		14.00	14.00	95.32
		6	2437	17.10	19.00		17.50		14.50		19.00	17.50		17.50	17.50	
		9	2452	11.20	13.00	Not Required	13.00	Not Required	13.00	Not Required	13.00	Not Required	13.00	Not Required	13.00	
	802.11ac-VHT20 MCS0	1	2412	14.58	16.50		16.50	Required	14.50	Not Required	16.50	Not Required	16.50	Not Required	16.50	97.30
		6	2437	17.15	19.00		17.50		14.50		19.00	17.50		17.50	17.50	
		11	2462	15.71	17.50		17.50		14.50		17.50	17.50		17.50	17.50	
	802.11ac-VHT40 MCS0	3	2422	12.40	14.00		14.00		14.00		14.00	14.00		14.00	14.00	95.32
		6	2437	17.05	19.00		17.50		14.50		19.00	17.50		17.50	17.50	
		9	2452	11.12	13.00		13.00		13.00		13.00	13.00		13.00	13.00	

<WLAN 5GHz FCC>

5.2GHz WLAN				Full		Head Standalone	Head Simultaneous	Body&Extremity Standalone	Body&Extremity Simultaneous	Hotspot	Duty Cycle %					
Mode	Channel	Frequency (MHz)	Ant 8		Ant 8		Ant 8		Ant 8		Ant 8					
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.72	19.50		15.00		12.00		17.00	13.00	13.00	97.47		
		40	5200	17.70	19.50		15.00		12.00		17.00	13.00	13.00			
		44	5220	17.69	19.50		15.00		12.00		17.00	13.00	13.00			
	802.11n-HT20 MCS0	48	5240	17.66	19.50	Not Required	15.00	Not Required	12.00	Not Required	17.00	13.00	13.00	97.32		
		36	5180	15.57	17.50	Required	15.00	Not Required	12.00	Required	17.00	13.00	Not Required		13.00	
		40	5200	17.63	19.50		15.00		12.00		17.00	13.00	13.00		13.00	
	802.11n-HT40 MCS0	44	5220	17.62	19.50		15.00		12.00		17.00	13.00	13.00	94.77		
		48	5240	17.60	19.50		15.00		12.00		17.00	13.00	13.00		13.00	
		38	5190	13.40	15.00	13.15	15.00	10.18	12.00	13.40	15.00	11.11	13.00		11.11	13.00
	802.11ac-VHT20 MCS0	46	5230	17.50	19.50	13.02	15.00	10.04	12.00	15.04	17.00	11.02	13.00	11.02	13.00	97.32
		36	5180	15.65	17.50		15.00		12.00		17.00	13.00	13.00	13.00		
		40	5200	17.73	19.50		15.00		12.00		17.00	13.00	13.00	13.00		
	802.11ac-VHT40 MCS0	44	5220	17.72	19.50		15.00		12.00		17.00	13.00	13.00	13.00	94.77	
		48	5240	17.68	19.50	Not Required	15.00	Not Required	12.00	Not Required	17.00	13.00	13.00	13.00		
		38	5190	13.48	15.00		15.00		12.00		17.00	13.00	13.00	13.00		
	802.11ac-VHT80 MCS0	46	5230	17.60	19.50		15.00		12.00		17.00	13.00	13.00	13.00	81.82	
		42	5210	11.32	13.00		13.00		11.50		13.00	12.50	12.50	12.50		

5.3GHz WLAN				Full		Head Standalone		Head Simultaneous		Body&Extremity Standalone		Body&Extremity Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
													Ant #	
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.69	19.50	15.00	12.00	17.00	13.00	97.47				
		56	5280	17.68	19.50	15.00	12.00	17.00	13.00					
		60	5300	17.66	19.50	15.00	12.00	17.00	13.00					
	802.11n-HT20 MCS0	64	5320	17.71	19.50	Not Required	12.00	Not Required	13.00	97.32				
		52	5260	17.66	19.50	Not Required	12.00	Not Required	13.00					
		56	5280	17.65	19.50	Not Required	12.00	Not Required	13.00					
	802.11n-HT40 MCS0	60	5300	17.64	19.50	15.00	12.00	17.00	13.00	94.77				
		64	5320	15.58	17.50	15.00	12.00	17.00	13.00					
		54	5270	17.71	19.50	13.04	10.02	15.01	11.03		13.00			
	802.11ac-VHT20 MCS0	62	5310	13.31	15.00	13.11	15.00	10.05	12.00	13.31	15.00	11.07	13.00	97.32
		52	5260	17.71	19.50	15.00	12.00	17.00	13.00					
		56	5280	17.70	19.50	15.00	12.00	17.00	13.00					
	802.11ac-VHT40 MCS0	60	5300	17.69	19.50	15.00	12.00	17.00	13.00	94.77				
		64	5320	15.66	17.50	Not Required	12.00	Not Required	13.00		Not Required	13.00		
		54	5270	17.66	19.50	15.00	12.00	17.00	13.00					
	802.11ac-VHT80 MCS0	62	5310	13.46	15.00	15.00	12.00	15.00	13.00	81.82				
	58	5290	11.82	13.50	13.50	11.50	13.50	12.50	12.50					

5.5GHz WLAN				Full		Head Standalone		Head Simultaneous		Body&Extremity Standalone		Body&Extremity Simultaneous		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
													Ant 8		Ant 8	Ant 8
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.86	19.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	Not Required	97.47		
		116	5580	17.95	19.50	14.00	11.00	17.50	13.50							
		124	5620	17.91	19.50	14.00	11.00	17.50	13.50							
		132	5660	17.91	19.50	14.00	11.00	17.50	13.50							
		140	5700	17.89	19.50	14.00	11.00	17.50	13.50							
		110	5500	15.89	17.50	14.00	11.00	17.50	13.50							
	802.11n-HT20 MCS0	116	5580	17.94	19.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	97.32			
		124	5620	17.84	19.50	14.00	11.00	17.50	13.50							
	802.11n-HT40 MCS0	132	5660	17.84	19.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	94.77			
		140	5700	14.23	16.00	14.00	11.00	16.00	13.50							
		102	5510	13.34	15.00	12.18	14.00	9.12	11.00					13.34	11.62	13.50
		110	5550	17.78	19.50	12.20	14.00	9.20	11.00					15.73	17.50	11.68
	802.11ac-VHT20 MCS0	126	5630	17.75	19.50	12.16	14.00	9.19	11.00	15.67	17.50	11.67	13.50	97.32		
		134	5670	16.17	18.00	12.17	14.00	9.16	11.00	15.66	17.50	11.66	13.50			
100		5500	15.71	17.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	94.77				
116		5580	17.99	19.50	14.00	11.00	17.50	13.50								
802.11ac-VHT40 MCS0	124	5620	17.92	19.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	81.82				
	132	5660	17.93	19.50	14.00	11.00	17.50	13.50								
	140	5700	14.28	16.00	14.00	11.00	16.00	13.50								
	102	5510	13.48	15.00	12.18	14.00	9.12	11.00					13.48	11.62	13.50	
802.11ac-VHT80 MCS0	110	5550	17.84	19.50	14.00	11.00	17.50	13.50	Not Required	Not Required	Not Required	94.77				
	126	5630	17.85	19.50	14.00	11.00	17.50	13.50								
	134	5670	16.31	18.00	14.00	11.00	17.50	13.50								
	106	5530	13.50	15.00	13.50	10.50	15.00	13.00								
802.11ac-VHT80 MCS0	122	5610	17.18	19.00	13.50	10.50	17.00	13.00								

<Bluetooth>			Ant. 8		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.00	10.00	9.70
	CH 39	2441	12.10	9.40	9.20
	CH 78	2480	12.00	9.30	9.20
	Tune-up Limit		14	12	12

			Ant 8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	4.90	
	CH 01	2404		5.20
	CH 19	2440	5.30	5.50
	CH 38	2478		4.30
	CH 39	2480	3.90	
	Tune-up Limit		9	9