



Full/Default Power

GSM550_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	824.2	836.4	848.6	Limit	824.2	836.4	848.6	Limit
Frequency (MHz)								
GSM 1 Tx slot	32.33	32.36	32.30	33.50	23.33	23.36	23.30	24.50
GPRS 1 Tx slot	32.31	32.35	32.28	33.50	23.31	23.35	23.28	24.50
GPRS 2 Tx slots	30.58	30.66	30.63	31.50	24.58	24.66	24.63	25.50
GPRS 3 Tx slots	28.73	28.82	28.80	29.50	24.47	24.56	24.54	25.24
GPRS 4 Tx slots	27.15	27.25	27.23	28.00	24.15	24.25	24.23	25.00
EDGE(GMSK 1 Tx slot)	32.10	32.13	32.15	33.50	23.10	23.13	23.15	24.50
EDGE(GMSK 2 Tx slots)	30.55	30.56	30.66	31.50	24.55	24.56	24.66	25.50
EDGE(GMSK 3 Tx slots)	28.61	28.69	28.73	29.50	24.35	24.43	24.47	25.24
EDGE(GMSK 4 Tx slots)	27.03	27.03	27.17	28.00	24.03	24.03	24.17	25.00
EDGE 1 Tx slot	26.81	26.76	26.73	27.50	17.81	17.76	17.73	18.50
EDGE 2 Tx slots	24.57	24.68	24.45	25.50	18.57	18.68	18.45	19.50
EDGE 3 Tx slots	22.52	22.43	22.26	23.50	18.26	18.17	18.00	19.24
EDGE 4 Tx slots	20.87	20.91	20.65	22.00	17.87	17.91	17.65	18.00

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1852.2	1862	1922.8	Limit	1852.2	1862	1922.8	Limit
Frequency (MHz)								
GSM 1 Tx slot	28.93	29.10	28.98	30.50	19.93	20.10	19.98	21.50
GPRS 1 Tx slot	28.90	29.07	28.96	30.50	19.90	20.07	19.96	21.50
GPRS 2 Tx slots	27.62	27.64	27.45	28.50	21.62	21.64	21.45	22.50
GPRS 3 Tx slots	25.58	25.62	25.41	26.50	21.32	21.36	21.15	22.24
GPRS 4 Tx slots	24.14	24.16	23.91	25.00	21.14	21.16	20.91	22.00
EDGE(GMSK 1 Tx slot)	29.06	29.06	28.99	30.50	20.06	20.06	19.99	21.50
EDGE(GMSK 2 Tx slots)	27.85	27.79	27.62	28.50	21.85	21.79	21.62	22.50
EDGE(GMSK 3 Tx slots)	25.97	25.88	25.67	26.50	21.71	21.62	21.41	22.24
EDGE(GMSK 4 Tx slots)	24.50	24.44	24.20	25.00	21.50	21.44	21.20	22.00
EDGE 1 Tx slot	26.41	26.32	26.25	26.50	17.41	17.32	17.25	17.50
EDGE 2 Tx slots	24.47	24.21	24.15	24.50	18.47	18.21	18.15	18.50
EDGE 3 Tx slots	22.33	22.04	21.84	22.50	18.07	17.78	17.58	18.24
EDGE 4 Tx slots	20.27	20.22	19.92	21.00	17.27	17.22	16.92	18.00

Band	WCDMA II_Ant 13			Tune-up Limit (dBm)	WCDMA II_Ant 31			Tune-up Limit (dBm)
	9262	9400	9538		9262	9400	9538	
Rx Channel	9262	9400	9538	Limit	9262	9400	9538	Limit
Frequency (MHz)	1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kops	22.43	22.51	22.50	23.80	23.23	23.25	23.18	24.20
3GPP Rel 99 RMC 12.2kops	22.46	22.53	22.52	23.80	23.26	23.27	23.20	24.20
3GPP Rel 6 HSDPA Subtest-1	21.70	21.72	21.65	22.80	22.29	22.28	22.21	23.20
3GPP Rel 6 HSDPA Subtest-2	21.69	21.72	21.57	22.80	22.25	22.25	22.19	23.20
3GPP Rel 6 HSDPA Subtest-3	21.23	21.22	21.07	22.30	21.62	21.64	21.73	22.70
3GPP Rel 6 HSDPA Subtest-4	21.18	21.20	21.07	22.30	21.75	21.78	21.69	22.70
3GPP Rel 6 HSUPA Subtest-1	20.61	20.48	20.50	20.80	20.99	20.91	20.93	21.20
3GPP Rel 6 HSUPA Subtest-2	20.64	20.50	20.46	20.80	20.98	20.93	20.93	21.20
3GPP Rel 6 HSUPA Subtest-3	21.67	21.54	21.54	21.80	22.06	21.94	21.97	22.20
3GPP Rel 6 HSUPA Subtest-4	20.17	20.09	20.01	20.30	20.57	20.47	20.51	21.20
3GPP Rel 6 HSUPA Subtest-5	20.10	21.70	21.50	21.80	22.00	21.90	21.90	22.20
3GPP Rel 7 HSPA+ (HSDM) Subtest-1	20.43	20.32	20.35	20.80	20.65	20.62	20.81	21.20

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 41			Tune-up Limit (dBm)
	4132	4182	4233		4132	4182	4233	
TX Channel	4367	4407	4458	Limit	4367	4407	4458	Limit
Rx Channel	824.4	836.4	848.6		824.4	836.4	848.6	
Frequency (MHz)								
3GPP Rel 99 AMR 12.2kops	22.92	22.95	22.85	24.00	23.02	23.07	22.95	24.00
3GPP Rel 99 RMC 12.2kops	22.94	22.97	22.87	24.00	23.04	23.09	22.99	24.00
3GPP Rel 6 HSDPA Subtest-1	21.92	21.96	21.90	23.00	22.00	22.10	21.89	23.00
3GPP Rel 6 HSDPA Subtest-2	21.94	21.96	21.64	23.00	22.02	22.05	21.98	23.00
3GPP Rel 6 HSDPA Subtest-3	21.46	21.53	21.41	22.50	21.54	21.61	21.53	22.50
3GPP Rel 6 HSDPA Subtest-4	21.44	21.47	21.36	22.50	21.53	21.57	21.46	22.50
3GPP Rel 6 HSUPA Subtest-1	20.63	20.78	20.72	21.00	20.77	20.84	20.77	21.00
3GPP Rel 6 HSUPA Subtest-2	20.75	20.78	20.73	21.00	20.74	20.84	20.76	21.00
3GPP Rel 6 HSUPA Subtest-3	21.72	21.75	21.77	22.00	21.81	21.89	21.80	22.00
3GPP Rel 6 HSUPA Subtest-4	20.33	20.36	20.26	20.50	20.31	20.38	20.28	20.50
3GPP Rel 6 HSUPA Subtest-5	21.70	21.80	21.70	22.00	21.70	21.80	21.80	22.00
3GPP Rel 7 HSPA+ (HSDM) Subtest-1	20.55	20.68	20.62	21.00	20.63	20.70	20.65	21.00

GSM550_Ant 41	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	824.2	836.4	848.6	Limit	824.2	836.4	848.6	Limit
Frequency (MHz)								
GSM 1 Tx slot	32.35	32.38	32.35	33.50	23.35	23.38	23.35	24.50
GPRS 1 Tx slot	32.33	32.23	32.32	33.50	23.33	23.23	23.32	24.50
GPRS 2 Tx slots	30.59	30.64	30.62	31.50	24.59	24.64	24.62	25.50
GPRS 3 Tx slots	28.64	28.70	28.66	29.50	24.38	24.44	24.40	25.24
GPRS 4 Tx slots	27.14	27.24	27.18	28.00	24.14	24.24	24.18	25.00
EDGE(GMSK 1 Tx slot)	32.24	32.18	32.16	33.50	23.24	23.18	23.16	24.50
EDGE(GMSK 2 Tx slots)	30.57	30.53	30.56	31.50	24.57	24.53	24.56	25.50
EDGE(GMSK 3 Tx slots)	28.58	28.62	28.61	29.50	24.32	24.36	24.35	25.24
EDGE(GMSK 4 Tx slots)	27.07	27.19	27.13	28.00	24.07	24.19	24.13	25.00
EDGE 1 Tx slot	26.85	26.84	26.61	27.50	17.85	17.84	17.61	18.50
EDGE 2 Tx slots	24.57	24.75	24.62	25.50	18.57	18.75	18.62	19.50
EDGE 3 Tx slots	22.46	22.54	22.31	23.50	18.22	18.28	18.05	19.24
EDGE 4 Tx slots	20.97	20.99	20.76	22.00	17.97	17.99	17.76	18.00

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1852.2	1860	1929.8	Limit	1852.2	1860	1929.8	Limit
Frequency (MHz)								
GSM 1 Tx slot	29.76	29.75	29.60	30.50	20.76	20.75	20.60	21.50
GPRS 1 Tx slot	29.73	29.73	29.58	30.50	20.73	20.73	20.58	21.50
GPRS 2 Tx slots	28.01	28.05	27.99	28.50	22.01	22.05	21.99	22.50
GPRS 3 Tx slots	26.03	26.08	25.86	26.50	21.77	21.82	21.60	22.24
GPRS 4 Tx slots	24.44	24.52	24.37	25.00	21.44	21.52	21.37	22.00
EDGE(GMSK 1 Tx slot)	29.62	29.62	29.53	30.50	20.62	20.62	20.53	21.50
EDGE(GMSK 2 Tx slots)	27.94	28.02	27.88	28.50	21.94	22.02	21.88	22.50
EDGE(GMSK 3 Tx slots)	26.00	26.05	25.63	26.50	21.74	21.79	21.57	22.24
EDGE(GMSK 4 Tx slots)	24.48	24.51	24.37	25.00	21.48	21.51	21.37	22.00
EDGE 1 Tx slot	26.40	26.41	26.39	26.50	17.40	17.41	17.39	17.50
EDGE 2 Tx slots	24.45	24.46	24.45	24.50	18.45	18.46	18.45	18.50
EDGE 3 Tx slots	22.47	22.25	22.11	22.50	18.21	17.99	17.85	18.24
EDGE 4 Tx slots	20.73	20.58	20.57	21.00	17.73	17.58	17.57	18.00

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
	1312	1413	1513		1312	1413	1513	
Rx Channel	1537	1638	1738	Limit	1537	1638	1738	Limit
Frequency (MHz)	1712.4	1732.6	1752.8		1712.4	1732.6	1752.8	
3GPP Rel 99 AMR 12.2kops	22.37	22.80	22.50	23.80	22.95	23.10	23.07	24.20
3GPP Rel 99 RMC 12.2kops	22.38	22.63	22.80	23.80	22.97	23.11	23.10	24.20
3GPP Rel 6 HSDPA Subtest-1	21.68	21.88	21.80	22.80	21.82	22.02	21.97	23.20
3GPP Rel 6 HSDPA Subtest-2	21.70	21.90	21.78	22.80	21.81	22.00	21.93	23.20
3GPP Rel 6 HSDPA Subtest-3	21.23	21.40	21.31	22.30	21.35	21.55	21.47	22.70
3GPP Rel 6 HSDPA Subtest-4	21.25	21.32	21.29	22.30	21.32	21.51	21.41	22.70
3GPP Rel 6 HSUPA Subtest-1	20.58	20.61	20.60	20.80	20.76	20.83	20.96	21.20
3GPP Rel 6 HSUPA Subtest-2	20.50	20.63	20.62	20.80	20.68	20.84	20.96	21.20
3GPP Rel 6 HSUPA Subtest-3	21.57	21.64	21.69	21.80	21.75	21.83	21.98	22.20
3GPP Rel 6 HSUPA Subtest-4	20.06	20.17	20.30	20.30	20.29	20.35	20.49	21.20
3GPP Rel 6 HSUPA Subtest-5	21.50	21.60	21.70	21.80	21.70	21.80	22.00	22.20
3GPP Rel 7 HSPA+ (HSDM) Subtest-1	20.42	20.45	20.40	20.80	20.62	20.71	20.74	21.20

Band 2_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100	23.5	0		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.44	22.39	22.29				
20	QPSK	1	49	22.46	22.53	22.38				
20	QPSK	1	99	22.33	22.24	22.29	22.5	1		
20	QPSK	50	0	21.45	21.51	21.39				
20	QPSK	50	24	21.46	21.52	21.41				
20	QPSK	50	50	21.39	21.35	21.38				
20	QPSK	100	0	21.34	21.47	21.36	22.5	1		
20	16QAM	1	0	21.65	21.63	21.53				
20	16QAM	1	49	21.73	21.70	21.60				
20	16QAM	1	99	21.57	21.46	21.46				
20	16QAM	50	0	20.41	20.45	20.39	21.5	2		
20	16QAM	50	24	20.49	20.44	20.41				
20	16QAM	50	50	20.36	20.32	20.36				
20	16QAM	100	0	20.38	20.37	20.38				
20	64QAM	1	0	20.51	20.49	20.38	21.5	2		
20	64QAM	1	49	20.61	20.58	20.47				
20	64QAM	1	99	20.43	20.34	20.34				
20	64QAM	50	0	19.38	19.44	19.39				
20	64QAM	50	24	19.48	19.40	19.38	20.5	3		
20	64QAM	50	50	19.33	19.30	19.31				
20	64QAM	100	0	19.36	19.35	19.32				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5	23.5	0		
15	QPSK	1	0	21.96	21.96	22.08				
15	QPSK	1	37	21.96	22.15	22.20				
15	QPSK	1	74	21.96	22.05	22.20	22.5	1		
15	QPSK	36	0	21.00	20.99	21.05				
15	QPSK	36	20	20.97	21.01	21.04				
15	QPSK	36	39	20.98	20.96	21.07				
15	QPSK	75	0	20.96	20.97	21.07	22.5	1		
15	16QAM	1	0	21.37	21.55	21.17				
15	16QAM	1	37	21.44	21.53	21.52				
15	16QAM	1	74	21.35	21.35	21.43				
15	16QAM	36	0	19.94	20.04	20.07	21.5	2		
15	16QAM	36	20	20.01	20.02	20.11				
15	16QAM	36	39	19.87	20.03	20.12				
15	16QAM	75	0	19.97	19.95	20.01				
15	64QAM	1	0	20.27	20.22	19.97	21.5	2		
15	64QAM	1	37	20.36	20.30	20.08				
15	64QAM	1	74	20.22	19.70	19.98				
15	64QAM	36	0	19.01	19.01	18.96				
15	64QAM	36	20	19.05	19.09	19.04	20.5	3		
15	64QAM	36	39	18.91	19.00	19.05				
15	64QAM	75	0	18.95	18.99	19.00				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905	23.5	0		
10	QPSK	1	0	22.01	21.95	22.10				
10	QPSK	1	25	22.00	22.01	22.22				
10	QPSK	1	49	22.00	21.93	22.22	22.5	1		
10	QPSK	25	0	21.01	21.02	21.11				
10	QPSK	25	12	21.07	21.04	21.13				
10	QPSK	25	25	21.01	20.94	21.11				
10	QPSK	50	0	21.04	20.99	21.04	22.5	1		
10	16QAM	1	0	21.27	21.21	21.49				
10	16QAM	1	25	21.24	21.37	21.48				
10	16QAM	1	49	21.24	21.23	21.39				
10	16QAM	25	0	20.05	19.98	20.07	21.5	2		
10	16QAM	25	12	20.07	20.01	20.09				
10	16QAM	25	25	20.04	19.97	20.06				
10	16QAM	50	0	20.03	20.00	19.99				
10	64QAM	1	0	20.06	20.06	20.34	21.5	2		
10	64QAM	1	25	20.01	20.09	20.37				
10	64QAM	1	49	19.95	19.98	20.24				
10	64QAM	25	0	19.05	18.97	19.02				
10	64QAM	25	12	18.96	18.92	19.05	20.5	3		
10	64QAM	25	25	18.86	18.94	19.07				
10	64QAM	50	0	18.97	18.93	19.01				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1902.5	23.5	0		
5	QPSK	1	0	22.09	22.01	22.08				
5	QPSK	1	12	22.17	22.05	22.16				
5	QPSK	1	24	21.99	21.99	22.14	22.5	1		
5	QPSK	12	0	21.03	21.04	21.11				
5	QPSK	12	7	21.04	21.01	21.12				
5	QPSK	12	13	21.00	20.98	21.08				
5	QPSK	25	0	21.03	21.05	21.16	22.5	1		
5	16QAM	1	0	21.10	21.06	21.15				
5	16QAM	1	12	21.01	21.07	21.18				
5	16QAM	1	24	20.99	21.01	21.13				
5	16QAM	12	0	20.08	19.99	20.08	21.5	2		
5	16QAM	12	7	19.99	19.96	20.12				
5	16QAM	12	13	19.91	19.91	20.06				
5	16QAM	25	0	19.97	20.03	20.06				
5	64QAM	1	0	20.12	19.94	20.32	21.5	2		
5	64QAM	1	12	20.27	20.03	20.34				
5	64QAM	1	24	20.00	19.99	20.31				
5	64QAM	12	0	18.94	18.92	19.12				
5	64QAM	12	7	18.90	19.00	19.15	20.5	3		
5	64QAM	12	13	18.91	18.89	19.12				
5	64QAM	25	0	18.96	19.01	19.00				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5	23.5	0		
3	QPSK	1	0	22.12	21.95	22.09				
3	QPSK	1	8	22.03	22.00	22.09				
3	QPSK	1	14	21.97	21.97	22.05	22.5	1		
3	QPSK	8	0	21.01	21.02	21.08				
3	QPSK	8	4	21.03	21.00	21.14				
3	QPSK	8	7	20.99	20.98	21.07				
3	QPSK	15	0	21.02	20.97	21.12	22.5	1		
3	16QAM	1	0	21.23	21.22	21.30				
3	16QAM	1	8	21.33	21.18	21.37				
3	16QAM	1	14	21.14	21.18	21.34				
3	16QAM	8	0	20.09	20.08	20.03	21.5	2		
3	16QAM	8	4	20.09	19.97	20.02				
3	16QAM	8	7	20.00	20.00	20.01				
3	16QAM	15	0	20.02	19.97	20.11				
3	64QAM	1	0	20.05	20.05	20.28	21.5	2		
3	64QAM	1	8	20.05	20.05	20.34				
3	64QAM	1	14	19.96	19.99	20.33				
3	64QAM	8	0	18.95	18.91	19.12				
3	64QAM	8	4	18.95	18.96	19.03	20.5	3		
3	64QAM	8	7	18.96	18.94	19.12				
3	64QAM	15	0	19.02	18.95	19.07				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3	23.5	0		
1.4	QPSK	1	0	21.80	21.80	21.87				
1.4	QPSK	1	3	21.88	21.84	21.97				
1.4	QPSK	1	5	21.99	21.90	22.00	22.5	1		
1.4	QPSK	3	0	22.00	22.01	22.14				
1.4	QPSK	3	1	22.03	22.03	22.14				
1.4	QPSK	3	3	21.98	21.99	22.17				
1.4	16QAM	1	0	21.08	21.07	21.19	22.5	1		
1.4	16QAM	1	3	20.90	20.92	21.07				
1.4	16QAM	1	5	20.92	21.03	21.18				
1.4	16QAM	1	7	21.15	20.21	21.18				
1.4	16QAM	3	1	21.09	20.88	21.22	21.5	2		
1.4	16QAM	3	3	21.07	21.02	21.20				
1.4	16QAM	6	0	20.05	20.09	20.21				
1.4	64QAM	1	0	20.32	20.03	20.29				
1.4	64QAM	1	3	20.29	19.91	20.29	21.5	2		
1.4	64QAM	1	5	20.26	20.04	20.34				
1.4	64QAM	3	0	20.10	20.04	20.11				
1.4	64QAM	3	3	20.22	19.99	20.16				
1.4	64QAM	6	0	19.00	18.92	19.01	20.5	3		

Band 4_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.39	22.38	22.44	24.1	0	
20	QPSK	1	49	22.55	22.58	22.59			
20	QPSK	1	99	22.43	22.41	22.44			
20	QPSK	50	0	21.39	21.54	21.32	23.1	1	
20	QPSK	50	24	21.52	21.58	21.59			
20	QPSK	50	50	21.45	21.57	21.41			
20	QPSK	100	0	21.46	21.52	21.54	23.1	1	
20	16QAM	1	0	21.69	21.62	21.88			
20	16QAM	1	49	21.91	21.87	21.99			
20	16QAM	1	99	21.74	21.65	21.81	22.1	2	
20	16QAM	50	0	20.50	20.61	20.32			
20	16QAM	50	24	20.39	20.60	20.49			
20	16QAM	50	50	20.48	20.57	20.43	22.1	2	
20	16QAM	100	0	20.43	20.56	20.40			
20	16QAM	1	0	20.47	20.41	20.41			
20	64QAM	1	49	20.52	20.56	20.54	22.1	2	
20	64QAM	1	99	20.49	20.42	20.31			
20	64QAM	50	0	19.68	19.67	19.38			
20	64QAM	50	24	19.61	19.72	19.59	21.1	3	
20	64QAM	50	50	19.60	19.49	19.56			
20	64QAM	100	0	19.63	19.65	19.47			
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.20	22.35	22.43	24.1	0	
15	QPSK	1	37	22.37	22.46	22.53			
15	QPSK	1	74	22.25	22.31	22.41			
15	QPSK	36	0	21.25	21.37	21.48	23.1	1	
15	QPSK	36	20	21.28	21.36	21.46			
15	QPSK	36	39	21.24	21.38	21.41			
15	QPSK	75	0	21.28	21.38	21.50	23.1	1	
15	16QAM	1	0	21.39	21.59	21.64			
15	16QAM	1	37	21.59	21.68	21.70			
15	16QAM	1	74	21.49	21.50	21.60	22.1	2	
15	16QAM	36	0	20.30	20.35	20.46			
15	16QAM	36	20	20.31	20.39	20.45			
15	16QAM	36	39	20.27	20.35	20.45	22.1	2	
15	16QAM	75	0	20.25	20.37	20.43			
15	64QAM	1	0	20.22	20.46	20.50			
15	64QAM	1	37	20.46	20.59	20.61	22.1	2	
15	64QAM	1	74	20.30	20.41	20.47			
15	64QAM	36	0	19.40	19.48	19.59			
15	64QAM	36	20	19.45	19.53	19.45	21.1	3	
15	64QAM	36	39	19.44	19.54	19.39			
15	64QAM	75	0	19.43	19.49	19.41			
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.22	22.44	22.46	24.1	0	
10	QPSK	1	25	22.35	22.48	22.56			
10	QPSK	1	49	22.31	22.36	22.47			
10	QPSK	25	0	21.26	21.40	21.50	23.1	1	
10	QPSK	25	12	21.31	21.41	21.51			
10	QPSK	25	25	21.30	21.41	21.52			
10	QPSK	50	0	21.34	21.44	21.57	23.1	1	
10	16QAM	1	0	21.40	21.67	21.67			
10	16QAM	1	25	21.55	21.69	21.76			
10	16QAM	1	49	21.54	21.56	21.65	22.1	2	
10	16QAM	25	0	20.25	20.41	20.50			
10	16QAM	25	12	20.29	20.39	20.53			
10	16QAM	25	25	20.29	20.39	20.51	22.1	2	
10	16QAM	50	0	20.31	20.41	20.49			
10	64QAM	1	0	20.30	20.55	20.55			
10	64QAM	1	25	20.45	20.55	20.64	22.1	2	
10	64QAM	1	49	20.40	20.46	20.57			
10	64QAM	25	0	19.43	19.58	19.47			
10	64QAM	25	12	19.48	19.53	19.48	21.1	3	
10	64QAM	25	25	19.45	19.56	19.45			
10	64QAM	50	0	19.43	19.57	19.47			
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.26	22.47	22.54	24.1	0	
5	QPSK	1	12	22.32	22.50	22.54			
5	QPSK	1	24	22.30	22.42	22.52			
5	QPSK	12	0	21.26	21.46	21.53	23.1	1	
5	QPSK	12	7	21.25	21.41	21.52			
5	QPSK	12	13	21.19	21.39	21.48			
5	QPSK	25	0	21.23	21.44	21.52	23.1	1	
5	16QAM	1	0	21.40	21.65	21.73			
5	16QAM	1	12	21.47	21.70	21.75			
5	16QAM	1	24	21.45	21.61	21.70	22.1	2	
5	16QAM	12	0	20.24	20.40	20.45			
5	16QAM	12	7	20.21	20.36	20.50			
5	16QAM	12	13	20.15	20.38	20.44	22.1	2	
5	16QAM	25	0	20.20	20.42	20.52			
5	64QAM	1	0	20.32	20.55	20.64			
5	64QAM	1	12	20.38	20.60	20.65	22.1	2	
5	64QAM	1	24	20.37	20.51	20.59			
5	64QAM	12	0	19.41	19.58	19.46			
5	64QAM	12	7	19.38	19.57	19.52	21.1	3	
5	64QAM	12	13	19.35	19.57	19.45			
5	64QAM	25	0	19.34	19.55	19.48			
Channel				19950	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.24	22.42	22.48	24.1	0	
3	QPSK	1	8	22.25	22.42	22.52			
3	QPSK	1	14	22.23	22.39	22.50			
3	QPSK	8	0	21.22	21.42	21.52	23.1	1	
3	QPSK	8	4	21.22	21.40	21.52			
3	QPSK	8	7	21.19	21.37	21.50			
3	QPSK	15	0	21.20	21.38	21.49	23.1	1	
3	16QAM	1	0	21.41	21.66	21.72			
3	16QAM	1	8	21.45	21.62	21.76			
3	16QAM	1	14	21.44	21.61	21.69	22.1	2	
3	16QAM	8	0	20.26	20.46	20.56			
3	16QAM	8	4	20.25	20.44	20.55			
3	16QAM	8	7	20.23	20.40	20.53	22.1	2	
3	16QAM	15	0	20.20	20.38	20.52			
3	64QAM	1	0	20.27	20.55	20.62			
3	64QAM	1	8	20.35	20.55	20.65	22.1	2	
3	64QAM	1	14	20.30	20.51	20.59			
3	64QAM	8	0	19.39	19.58	19.50			
3	64QAM	8	4	19.38	19.55	19.49	21.1	3	
3	64QAM	8	7	19.39	19.55	19.47			
3	64QAM	15	0	19.34	19.52	19.46			
Channel				19950	20175	20395			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	22.22	22.41	22.51	24.1	0	
1.4	QPSK	1	3	22.24	22.43	22.53			
1.4	QPSK	1	5	22.23	22.41	22.51			
1.4	QPSK	3	0	22.22	22.44	22.55	23.1	1	
1.4	QPSK	3	1	22.24	22.45	22.54			
1.4	QPSK	3	3	22.24	22.41	22.53			
1.4	QPSK	6	0	21.23	21.43	21.53	23.1	1	
1.4	16QAM	1	0	21.39	21.67	21.72			
1.4	16QAM	1	3	21.42	21.67	21.72			
1.4	16QAM	1	5	21.38	21.66	21.70	23.1	1	
1.4	16QAM	3	0	21.23	21.42	21.52			
1.4	16QAM	3	1	21.23	21.43	21.52			
1.4	16QAM	3	3	21.23	21.39	21.51	22.1	2	
1.4	16QAM	6	0	20.27	20.48	20.55			
1.4	64QAM	1	0	20.31	20.55	20.64			
1.4	64QAM	1	3	20.29	20.53	20.61	22.1	2	
1.4	64QAM	1	5	20.29	20.54	20.59			
1.4	64QAM	3	0	20.30	20.54	20.62			
1.4	64QAM	3	1	20.33	20.57	20.63	21.1	3	
1.4	64QAM	3	3	20.30	20.48	20.61			
1.4	64QAM	6	0	19.31	19.54	19.44			

Band 7_Ant 13									
BW [MHz]	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	21.52	21.47	21.56	23	0	
20	QPSK	1	49	21.61	21.96	21.80			
20	QPSK	1	99	21.50	21.60	21.73			
20	QPSK	50	0	20.48	20.60	20.82	22	1	
20	QPSK	50	24	20.70	20.86	20.96			
20	QPSK	50	50	20.54	20.68	20.85			
20	QPSK	100	0	20.48	20.87	20.83	22	1	
20	16QAM	1	0	20.60	20.74	20.84			
20	16QAM	1	49	20.83	20.95	21.05			
20	16QAM	1	99	20.75	20.82	20.93	21	2	
20	16QAM	50	0	19.47	19.61	19.78			
20	16QAM	50	24	19.58	19.65	19.79			
20	16QAM	50	50	19.57	19.65	19.93	21	2	
20	16QAM	100	0	19.46	19.61	19.84			
20	64QAM	1	0	19.50	19.58	19.66			
20	64QAM	1	49	19.74	19.81	19.87	21	2	
20	64QAM	1	99	19.62	19.68	19.80			
20	64QAM	50	0	18.44	18.54	18.76			
20	64QAM	50	24	18.56	18.66	18.78	20	3	
20	64QAM	50	50	18.52	18.66	18.78			
20	64QAM	100	0	18.47	18.59	18.83			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.82	21.88	21.87	23	0	
15	QPSK	1	37	21.82	21.86	21.84			
15	QPSK	1	74	21.85	21.95	21.89			
15	QPSK	36	0	20.59	20.75	20.78	22	1	
15	QPSK	36	20	20.70	20.75	20.80			
15	QPSK	36	39	20.68	20.77	20.85			
15	QPSK	75	0	20.66	20.81	20.84	22	1	
15	16QAM	1	0	21.13	20.97	20.92			
15	16QAM	1	37	21.16	21.00	21.06			
15	16QAM	1	74	21.22	20.98	21.00	21	2	
15	16QAM	36	0	19.70	19.72	19.74			
15	16QAM	36	20	19.70	19.78	19.78			
15	16QAM	36	39	19.68	19.80	19.84	21	2	
15	16QAM	75	0	19.66	19.79	19.86			
15	64QAM	1	0	19.56	19.72	19.67			
15	64QAM	1	37	19.79	19.82	19.99	21	2	
15	64QAM	1	74	19.70	20.02	19.74			
15	64QAM	36	0	18.61	18.70	18.77			
15	64QAM	36	20	18.64	18.78	18.83	20	3	
15	64QAM	36	39	18.64	18.71	18.92			
15	64QAM	75	0	18.68	18.76	18.77			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.67	21.75	21.72	23	0	
10	QPSK	1	25	21.65	21.94	21.73			
10	QPSK	1	49	21.65	21.85	21.75			
10	QPSK	25	0	20.63	20.75	20.70	22	1	
10	QPSK	25	12	20.70	20.77	20.80			
10	QPSK	25	25	20.68	20.82	20.80			
10	QPSK	50	0	20.69	20.82	20.76	22	1	
10	16QAM	1	0	20.85	21.14	21.16			
10	16QAM	1	25	20.95	21.21	21.30			
10	16QAM	1	49	21.04	21.19	21.23	21	2	
10	16QAM	25	0	19.62	19.70	19.64			
10	16QAM	25	12	19.64	19.70	19.70			
10	16QAM	25	25	19.66	19.77	19.80	21	2	
10	16QAM	50	0	19.66	19.79	19.76			
10	64QAM	1	0	19.53	20.06	19.83			
10	64QAM	1	25	20.00	20.14	20.05	21	2	
10	64QAM	1	49	19.99	20.05	19.98			
10	64QAM	25	0	18.61	18.75	18.67			
10	64QAM	25	12	18.65	18.70	18.74	20	3	
10	64QAM	25	25	18.69	18.77	18.82			
10	64QAM	50	0	18.63	18.75	18.81			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.69	21.73	21.72	23	0	
5	QPSK	1	12	21.76	21.79	21.90			
5	QPSK	1	24	21.64	21.76	21.78			
5	QPSK	12	0	20.72	20.79	20.82	22	1	
5	QPSK	12	7	20.68	20.75	20.82			
5	QPSK	12	13	20.72	20.77	20.83			
5	QPSK	25	0	20.72	20.73	20.81	22	1	
5	16QAM	1	0	20.73	20.84	20.81			
5	16QAM	1	12	20.77	20.89	20.97			
5	16QAM	1	24	20.77	20.86	20.88	21	2	
5	16QAM	12	0	19.65	19.75	19.84			
5	16QAM	12	7	19.60	19.74	19.84			
5	16QAM	12	13	19.69	19.71	19.74	21	2	
5	16QAM	25	0	19.72	19.72	19.81			
5	64QAM	1	0	19.67	19.98	20.09			
5	64QAM	1	12	19.68	19.98	20.13	21	2	
5	64QAM	1	24	19.92	19.96	20.09			
5	64QAM	12	0	18.67	18.81	18.72			
5	64QAM	12	7	18.66	18.77	18.82	20	3	
5	64QAM	12	13	18.62	18.79	18.76			
5	64QAM	25	0	18.58	18.67	18.81			

Band 7_Ant 31									
BW [MHz]	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	21.99	21.86	22.00	23.5	0	
20	QPSK	1	49	22.21	22.29	22.21			
20	QPSK	1	99	21.93	22.02	22.20			
20	QPSK	50	0	21.03	21.10	21.19	22.5	1	
20	QPSK	50	24	21.18	21.23	21.21			
20	QPSK	50	50	21.13	21.22	21.19			
20	QPSK	100	0	21.02	21.20	21.14	22.5	1	
20	16QAM	1	0	21.34	21.48	21.16			
20	16QAM	1	49	21.52	21.70	21.38			
20	16QAM	1	99	21.47	21.57	21.30	21.5	2	
20	16QAM	50	0	19.95	20.06	20.26			
20	16QAM	50	24	20.07	20.20	20.22			
20	16QAM	50	50	20.06	20.10	20.38	21.5	2	
20	16QAM	100	0	19.99	20.12	20.33			
20	64QAM	1	0	20.00	20.14	20.29			
20	64QAM	1	49	20.29	20.28	20.44	21.5	2	
20	64QAM	1	99	20.11	20.21	20.41			
20	64QAM	50	0	18.94	19.05	19.28			
20	64QAM	50	24	19.01	19.09	19.24	20.5	3	
20	64QAM	50	50	18.97	19.13	19.40			
20	64QAM	100	0	18.97	19.12	19.30			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.02	22.20	22.12	23.5	0	
15	QPSK	1	37	22.18	22.28	22.16			
15	QPSK	1	74	22.13	22.19	22.24			
15	QPSK	36	0	21.03	21.18	21.19	22.5	1	
15	QPSK	36	20	21.11	21.21	21.23			
15	QPSK	36	39	21.13	21.25	21.33			
15	QPSK	75	0	21.07	21.24	21.30	22.5	1	
15	16QAM	1	0	21.26	21.39	21.35			
15	16QAM	1	37	21.41	21.48	21.54			
15	16QAM	1	74	21.32	21.37	21.42	21.5	2	
15	16QAM	36	0	20.05	20.19	20.19			
15	16QAM	36	20	20.12	20.24	20.26			
15	16QAM	36	39	20.15	20.23	20.38	21.5	2	
15	16QAM	75	0	20.04	20.21	20.25			
15	64QAM	1	0	20.13	20.29	20.22			
15	64QAM	1	37	20.30	20.41	20.41	21.5	2	
15	64QAM	1	74	20.22	20.29	20.30			
15	64QAM	36	0	19.00	19.23	19.19			
15	64QAM	36	20	19.08	19.21	19.25	20.5	3	
15	64QAM	36	39	19.12	19.20	19.33			
15	64QAM	75	0	19.02	19.19	19.25			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.07	22.20	22.12	23.5	0	
10	QPSK	1	49	22.17	22.24	22.27			
10	QPSK	1	25	22.15	22.24	22.22			
10	QPSK	25	0	21.08	21.18	21.12	22.5	1	
10	QPSK	25	12	21.10	21.24	21.22			
10	QPSK	25	25	21.12	21.25	21.21			
10	QPSK	50	0	21.16	21.24	21.23	22.5	1	
10	16QAM	1	0	21.27	21.46	21.39			
10	16QAM	1	25	21.35	21.48	21.50			
10	16QAM	1	49	21.31	21.44	21.43	21.5	1	
10	16QAM	25	0	20.06	20.23	20.22			
10	16QAM	25	12	20.09	20.19	20.22			
10	16QAM	25	25	20.11	20.23	20.22	21.5	2	
10	16QAM	50	0	20.14	20.22	20.21			
10	64QAM	1	0	20.16	20.29	20.31			
10	64QAM	1	25	20.27	20.34	20.43	21.5	2	
10	64QAM	1	49	20.26	20.30	20.37			
10	64QAM	25	0	19.06	19.21	19.12			
10	64QAM	25	12	19.09	19.22	19.23	20.5	3	
10	64QAM	25	25	19.06	19.23	19.29			
10	64QAM	50	0	19.07	19.21	19.19			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.11	22.26	22.25	23.5	0	
5	QPSK	1	12	22.16	22.25	22.17			
5	QPSK	1	24	22.16	22.27	22.22			
5	QPSK	12	0	21.11	21.25	21.26	22.5	1	
5	QPSK	12	7	21.10	21.22	21.28			
5	QPSK	12	13	21.17	21.22	21.24			
5	QPSK	25	0	21.13	21.22	21.24	22.5	1	
5	16QAM	1	0	21.29	21.43	21.50			
5	16QAM	1	12	21.30	21.45	21.52			
5	16QAM	1	24	21.33	21.42	21.48	21.5	2	
5	16QAM	12	0	20.06	20.21	20.23			
5	16QAM	12	7	20.07	20.15	20.26			
5	16QAM	12	13	20.11	20.19	20.21	21.5	2	
5	16QAM	25	0	20.12	20.22	20.23			
5	64QAM	1	0	20.20	20.34	20.35			
5	64QAM	1	12	20.20	20.38	20.43	21.5	2	
5	64QAM	1	24	20.20	20.38	20.35			
5	64QAM	12	0	19.08	19.23	19.25			
5	64QAM	12	7	19.09	19.20	19.26	20.5	3	
5	64QAM	12	13	19.14	19.17	19.24			
5	64QAM	25	0	19.06	19.17	19.22			

Band 12_Ant 41													
BW [MHz]	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	23.40	23.51	23.33							
10	QPSK	1	25	23.50	23.54	23.48	23.5	1					
10	QPSK	1	49	23.47	23.50	23.47							
10	QPSK	25	0	22.43	22.40	22.29							
10	QPSK	25	12	22.45	22.48	22.31	23.5	1					
10	QPSK	25	25	22.44	22.41	22.27							
10	QPSK	50	0	22.46	22.48	22.33							
10	16QAM	1	0	22.80	22.75	22.84	23.5	1					
10	16QAM	1	25	22.82	22.85	22.84							
10	16QAM	1	49	22.86	22.84	22.85							
10	16QAM	25	0	21.40	21.32	21.31	22.5	2					
10	16QAM	25	12	21.35	21.37	21.48							
10	16QAM	25	25	21.42	21.50	21.36							
10	16QAM	50	0	21.49	21.45	21.27	22.5	2					
10	64QAM	1	0	21.59	21.40	21.61							
10	64QAM	1	25	21.62	21.57	21.65							
10	64QAM	1	49	21.73	21.47	21.60	21.5	3					
10	64QAM	25	0	20.57	20.52	20.48							
10	64QAM	25	12	20.57	20.61	20.57							
10	64QAM	25	25	20.62	20.67	20.41	21.5	3					
10	64QAM	50	0	20.55	20.57	20.38							
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	23.29	23.37	23.36							
5	QPSK	1	12	23.43	23.38	23.39							
5	QPSK	1	24	23.45	23.45	23.43	23.5	1					
5	QPSK	12	0	22.27	22.27	22.28							
5	QPSK	12	7	22.33	22.35	22.22							
5	QPSK	12	13	22.31	22.33	22.13	23.5	1					
5	QPSK	25	0	22.30	22.32	22.22							
5	16QAM	1	0	22.71	22.68	22.70							
5	16QAM	1	12	22.83	22.74	22.72	23.5	1					
5	16QAM	1	24	22.74	22.86	22.65							
5	16QAM	12	0	21.28	21.27	21.22							
5	16QAM	12	7	21.35	21.34	21.19	22.5	2					
5	16QAM	12	13	21.27	21.42	21.06							
5	16QAM	25	0	21.31	21.31	21.26							
5	64QAM	1	0	21.63	21.55	20.93	22.5	2					
5	64QAM	1	12	21.56	21.25	21.32							
5	64QAM	1	24	21.55	21.17	21.01							
5	64QAM	12	0	20.44	20.41	20.42	21.5	3					
5	64QAM	12	7	20.45	20.41	20.44							
5	64QAM	12	13	20.46	20.51	20.33							
5	64QAM	25	0	20.47	20.46	20.44	21.5	3					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				700.5	707.5	714.5	24.5	0					
3	QPSK	1	0	23.23	23.27	23.29							
3	QPSK	1	8	23.22	23.28	23.30							
3	QPSK	1	14	23.32	23.31	23.32	23.5	1					
3	QPSK	8	0	22.24	22.28	22.17							
3	QPSK	8	4	22.27	22.37	22.18							
3	QPSK	8	7	22.24	22.30	22.17	23.5	1					
3	QPSK	15	0	22.26	22.23	22.25							
3	16QAM	1	0	22.57	22.57	22.56							
3	16QAM	1	8	22.55	22.62	22.56	23.5	1					
3	16QAM	1	14	22.66	22.63	22.51							
3	16QAM	8	0	21.25	21.24	21.20							
3	16QAM	8	4	21.24	21.28	21.28	22.5	2					
3	16QAM	8	7	21.27	21.26	21.27							
3	16QAM	15	0	21.33	21.36	21.09							
3	64QAM	1	0	21.28	21.58	21.40	22.5	2					
3	64QAM	1	8	21.31	21.32	21.24							
3	64QAM	1	14	21.36	21.32	21.22							
3	64QAM	8	0	20.48	20.49	20.36	21.5	3					
3	64QAM	8	4	20.46	20.50	20.37							
3	64QAM	8	7	20.41	20.51	20.52							
3	64QAM	15	0	20.43	20.50	20.38	21.5	3					
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				699.7	707.5	715.3	24.5	0					
1.4	QPSK	1	0	23.22	23.27	23.02							
1.4	QPSK	1	3	23.22	23.25	23.07							
1.4	QPSK	1	5	23.25	23.17	23.05	23.5	1					
1.4	QPSK	3	0	23.31	23.29	23.15							
1.4	QPSK	3	1	23.30	23.35	23.24							
1.4	QPSK	3	3	23.29	23.31	23.15	23.5	1					
1.4	QPSK	6	0	22.30	22.27	22.25							
1.4	16QAM	1	0	22.41	22.22	22.03							
1.4	16QAM	1	3	22.42	22.27	22.02	23.5	1					
1.4	16QAM	1	5	22.42	22.23	22.05							
1.4	16QAM	3	0	22.42	22.33	22.27							
1.4	16QAM	3	1	22.37	22.35	22.35	22.5	2					
1.4	16QAM	3	3	22.31	22.32	22.23							
1.4	16QAM	6	0	21.27	21.21	21.22							
1.4	64QAM	1	0	21.56	21.67	21.45	22.5	2					
1.4	64QAM	1	3	21.50	21.64	21.48							
1.4	64QAM	1	5	21.53	21.55	21.20							
1.4	64QAM	3	0	21.49	21.50	21.22	21.5	3					
1.4	64QAM	3	1	21.48	21.52	21.23							
1.4	64QAM	3	3	21.46	21.54	21.27							
1.4	64QAM	6	0	20.48	20.45	20.31	21.5	3					

Band 17_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24.5	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.29	23.29	23.27				
10	QPSK	1	25	23.43	23.44	23.42	23.5	1		
10	QPSK	1	49	23.40	23.38	23.38				
10	QPSK	25	0	22.25	22.18	22.14				
10	QPSK	25	12	22.32	22.40	22.36	23.5	1		
10	QPSK	25	25	22.28	22.30	22.30				
10	QPSK	50	0	22.30	22.35	22.22				
10	16QAM	1	0	22.54	22.52	22.51	23.5	1		
10	16QAM	1	25	22.69	22.63	22.60				
10	16QAM	1	49	22.57	22.56	22.54				
10	16QAM	25	0	21.27	21.22	21.15	22.5	2		
10	16QAM	25	12	21.32	21.34	21.36				
10	16QAM	25	25	21.47	21.34	21.19				
10	16QAM	50	0	21.38	21.25	21.16	22.5	2		
10	64QAM	1	0	21.38	21.37	21.42				
10	64QAM	1	25	21.47	21.47	21.52				
10	64QAM	1	49	21.45	21.45	21.49	21.5	3		
10	64QAM	25	0	20.42	20.37	20.34				
10	64QAM	25	12	20.47	20.51	20.52				
10	64QAM	25	25	20.63	20.49	20.36	21.5	3		
10	64QAM	50	0	20.51	20.43	20.35				
Channel				23785	23790	23825				
Frequency (MHz)				710.5	710	713.5				
5	QPSK	1	0	23.39	23.39	23.84	24.5	0		
5	QPSK	1	12	23.39	23.39	23.82				
5	QPSK	1	24	23.42	23.31	23.21				
5	QPSK	12	0	22.39	22.28	22.32	23.5	1		
5	QPSK	12	7	22.35	22.23	22.31				
5	QPSK	12	13	22.38	22.38	22.11				
5	QPSK	25	0	22.35	22.39	22.28	23.5	1		
5	16QAM	1	0	22.57	22.67	22.59				
5	16QAM	1	12	22.62	22.62	22.68				
5	16QAM	1	24	22.64	22.65	22.68	22.5	2		
5	16QAM	12	0	21.39	21.23	21.25				
5	16QAM	12	7	21.35	21.22	21.26				
5	16QAM	12	13	21.41	21.34	21.06	21.5	3		
5	16QAM	25	0	21.36	21.33	21.19				
5	64QAM	1	0	21.31	21.34	21.50				
5	64QAM	1	12	21.44	21.40	21.59	22.5	2		
5	64QAM	1	24	21.41	21.39	21.57				
5	64QAM	12	0	20.60	20.44	20.48				
5	64QAM	12	7	20.49	20.46	20.39	21.5	3		
5	64QAM	12	13	20.53	20.49	20.29				
5	64QAM	25	0	20.49	20.50	20.34				

Band 38_Ant 13									
BW (MHz)	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	22.27	22.27	22.19	23.4	0	
20	QPSK	1	49	22.45	22.43	22.39			
20	QPSK	1	99	22.28	22.30	22.28			
20	QPSK	50	0	21.46	21.47	21.38	22.4	1	
20	QPSK	50	24	21.53	21.51	21.45			
20	QPSK	50	50	21.46	21.49	21.41			
20	QPSK	100	0	21.49	21.42	21.41	22.4	1	
20	16QAM	1	0	21.53	21.50	21.48			
20	16QAM	1	49	21.72	21.69	21.64			
20	16QAM	1	99	21.50	21.63	21.47	21.4	2	
20	16QAM	50	0	20.49	20.48	20.42			
20	16QAM	50	24	20.49	20.52	20.49			
20	16QAM	50	50	20.42	20.51	20.45	21.4	2	
20	16QAM	100	0	20.43	20.47	20.38			
20	64QAM	1	0	20.35	20.34	20.29			
20	64QAM	1	49	20.46	20.53	20.43	21.4	2	
20	64QAM	1	99	20.36	20.42	20.33			
20	64QAM	50	0	19.46	19.42	19.40			
20	64QAM	50	24	19.44	19.51	19.38	20.4	3	
20	64QAM	50	50	19.40	19.48	19.38			
20	64QAM	100	0	19.40	19.47	19.40			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.41	22.43	22.33	23.4	0	
15	QPSK	1	37	22.42	22.44	22.36			
15	QPSK	1	74	22.37	22.39	22.42			
15	QPSK	36	0	21.49	21.43	21.44	22.4	1	
15	QPSK	36	20	21.48	21.45	21.40			
15	QPSK	36	39	21.50	21.46	21.37			
15	QPSK	75	0	21.51	21.48	21.44	22.4	1	
15	16QAM	1	0	21.58	21.59	21.45			
15	16QAM	1	37	21.66	21.53	21.60			
15	16QAM	1	74	21.72	21.61	21.55	21.4	2	
15	16QAM	36	0	20.46	20.46	20.39			
15	16QAM	36	20	20.45	20.48	20.35			
15	16QAM	36	39	20.49	20.44	20.39	21.4	2	
15	16QAM	75	0	20.56	20.47	20.45			
15	64QAM	1	0	20.45	20.43	20.33			
15	64QAM	1	37	20.54	20.48	20.48	21.4	2	
15	64QAM	1	74	20.54	20.41	20.38			
15	64QAM	36	0	19.46	19.45	19.40			
15	64QAM	36	20	19.45	19.44	19.39	20.4	3	
15	64QAM	36	39	19.47	19.44	19.40			
15	64QAM	75	0	19.51	19.43	19.45			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.38	22.40	22.31	23.4	0	
10	QPSK	1	25	22.44	22.42	22.37			
10	QPSK	1	49	22.42	22.37	22.35			
10	QPSK	25	0	21.54	21.51	21.43	22.4	1	
10	QPSK	25	12	21.56	21.51	21.46			
10	QPSK	25	25	21.52	21.42	21.48			
10	QPSK	50	0	21.56	21.52	21.49	22.4	1	
10	16QAM	1	0	21.65	21.63	21.56			
10	16QAM	1	25	21.66	21.64	21.56			
10	16QAM	1	49	21.67	21.62	21.57	22.4	1	
10	16QAM	25	0	20.57	20.58	20.48			
10	16QAM	25	12	20.55	20.50	20.46			
10	16QAM	25	25	20.59	20.52	20.46	21.4	2	
10	16QAM	50	0	20.51	20.50	20.48			
10	64QAM	1	0	20.46	20.49	20.43			
10	64QAM	1	25	20.48	20.49	20.53	21.4	2	
10	64QAM	1	49	20.48	20.47	20.43			
10	64QAM	25	0	19.58	19.58	19.51			
10	64QAM	25	12	19.57	19.51	19.51	20.4	3	
10	64QAM	25	25	19.53	19.54	19.55			
10	64QAM	50	0	19.48	19.49	19.46			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.44	22.38	22.33	23.4	0	
5	QPSK	1	12	22.42	22.44	22.36			
5	QPSK	1	24	22.44	22.40	22.39			
5	QPSK	12	0	21.54	21.54	21.44	22.4	1	
5	QPSK	12	7	21.52	21.48	21.44			
5	QPSK	12	13	21.47	21.50	21.47			
5	QPSK	25	0	21.56	21.57	21.53	22.4	1	
5	16QAM	1	0	21.57	21.62	21.56			
5	16QAM	1	12	21.69	21.63	21.56			
5	16QAM	1	24	21.63	21.62	21.56	21.4	2	
5	16QAM	12	0	20.56	20.52	20.47			
5	16QAM	12	7	20.54	20.45	20.45			
5	16QAM	12	13	20.52	20.47	20.44	21.4	2	
5	16QAM	25	0	20.59	20.54	20.51			
5	64QAM	1	0	20.51	20.51	20.45			
5	64QAM	1	12	20.66	20.60	20.45	21.4	2	
5	64QAM	1	24	20.49	20.46	20.46			
5	64QAM	12	0	19.54	19.53	19.45			
5	64QAM	12	7	19.54	19.47	19.46	20.4	3	
5	64QAM	12	13	19.48	19.49	19.46			
5	64QAM	25	0	19.52	19.54	19.52			

Band 38_Ant 31									
BW (MHz)	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	22.54	22.54	22.45	23.8	0	
20	QPSK	1	49	22.78	22.72	22.64			
20	QPSK	1	99	22.57	22.64	22.63			
20	QPSK	50	0	21.74	21.74	21.70	22.8	1	
20	QPSK	50	24	21.85	21.84	21.79			
20	QPSK	50	50	21.72	21.77	21.78			
20	QPSK	100	0	21.82	21.74	21.72	22.8	1	
20	16QAM	1	0	21.80	21.75	21.77			
20	16QAM	1	49	22.03	21.99	21.92			
20	16QAM	1	99	21.82	21.90	21.83	21.8	2	
20	16QAM	50	0	20.75	20.77	20.75			
20	16QAM	50	24	20.81	20.85	20.78			
20	16QAM	50	50	20.80	20.81	20.76	21.8	2	
20	16QAM	100	0	20.74	20.77	20.74			
20	64QAM	1	0	20.63	20.65	20.58			
20	64QAM	1	49	20.80	20.83	20.78	21.8	2	
20	64QAM	1	99	20.63	20.74	20.65			
20	64QAM	50	0	19.69	19.71	19.68			
20	64QAM	50	24	19.73	19.77	19.74	20.8	3	
20	64QAM	50	50	19.71	19.74	19.73			
20	64QAM	100	0	19.70	19.73	19.73			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.64	22.66	22.64	23.8	0	
15	QPSK	1	37	22.73	22.76	22.77			
15	QPSK	1	74	22.75	22.66	22.69			
15	QPSK	36	0	21.72	21.71	21.69	22.8	1	
15	QPSK	36	20	21.74	21.74	21.73			
15	QPSK	36	39	21.71	21.70	21.70			
15	QPSK	75	0	21.74	21.68	21.73	22.8	1	
15	16QAM	1	0	21.81	21.81	21.75			
15	16QAM	1	37	21.89	21.89	21.89			
15	16QAM	1	74	21.93	21.82	21.84	21.8	2	
15	16QAM	36	0	20.70	20.69	20.65			
15	16QAM	36	20	20.69	20.72	20.66			
15	16QAM	36	39	20.73	20.69	20.69	21.8	2	
15	16QAM	75	0	20.74	20.74	20.73			
15	64QAM	1	0	20.67	20.67	20.59			
15	64QAM	1	37	20.77	20.80	20.83	21.8	2	
15	64QAM	1	74	20.76	20.69	20.69			
15	64QAM	36	0	19.69	19.69	19.67			
15	64QAM	36	20	19.68	19.72	19.70	20.8	3	
15	64QAM	36	39	19.70	19.71	19.69			
15	64QAM	75	0	19.70	19.67	19.67			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.61	22.65	22.59	23.8	0	
10	QPSK	1	25	22.71	22.72	22.67			
10	QPSK	1	49	22.69	22.64	22.63			
10	QPSK	25	0	21.75	21.78	21.75	22.8	1	
10	QPSK	25	12	21.71	21.76	21.73			
10	QPSK	25	25	21.72	21.70	21.79			
10	QPSK	50	0	21.75	21.73	21.78	22.8	1	
10	16QAM	1	0	21.84	21.90	21.84			
10	16QAM	1	25	21.90	21.89	21.91			
10	16QAM	1	49	21.87	21.85	21.98	21.8	2	
10	16QAM	25	0	20.76	20.76	20.75			
10	16QAM	25	12	20.79	20.74	20.76			
10	16QAM	25	25	20.75	20.74	20.80	21.8	2	
10	16QAM	50	0	20.76	20.78	20.79			
10	64QAM	1	0	20.73	20.71	20.67			
10	64QAM	1	25	20.74	20.74	20.74	21.8	2	
10	64QAM	1	49	20.69	20.71	20.72			
10	64QAM	25	0	19.78	19.82	19.77			
10	64QAM	25	12	19.77	19.77	19.81	20.8	3	
10	64QAM	25	25	19.74	19.77	19.83			
10	64QAM	50	0	19.71	19.70	19.70			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.66	22.62	22.62	23.8	0	
5	QPSK	1	12	22.71	22.66	22.66			
5	QPSK	1	24	22.67	22.67	22.68			
5	QPSK	12	0	21.78	21.78	21.75	22.8	1	
5	QPSK	12	7	21.73	21.69	21.80			
5	QPSK	12	13	21.70	21.75	21.72			
5	QPSK	25	0	21.77	21.76	21.76	22.8	1	
5	16QAM	1	0	21.86	21.86	21.86			
5	16QAM	1	12	21.91	21.89	21.91			
5	16QAM	1	24	21.88	21.88	21.87	21.8	2	
5	16QAM	12	0	20.76	20.76	20.76			
5	16QAM	12	7	20.75	20.68	20.77			
5	16QAM	12	13	20.70	20.74	20.71	21.8	2	
5	16QAM	25	0	20.78	20.81	20.80			
5	64QAM	1	0	20.73	20.77	20.73			
5	64QAM	1	12	20.77	20.70	20.74	21.8	2	
5	64QAM	1	24	20.76	20.76	20.75			
5	64QAM	12	0	19.75	19.81	19.72			
5	64QAM	12	7	19.73	19.70	19.78	20.8	3	
5	64QAM	12	13	19.75	19.73	19.73			
5	64QAM	25	0	19.75	19.81	19.81			

Band 41_Ant 13												
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	22.01	22.09	22.35	22.19	22.17	23.4	0		
20	QPSK	1	49	22.18	22.29	22.47	22.36	22.31				
20	QPSK	1	99	22.11	22.21	22.31	22.21	22.19				
20	QPSK	50	0	21.13	21.32	21.48	21.41	21.38	22.4	1		
20	QPSK	50	24	21.31	21.42	21.55	21.51	21.46				
20	QPSK	50	50	21.28	21.38	21.54	21.46	21.41				
20	QPSK	100	0	21.25	21.36	21.53	21.39	21.36	22.4	1		
20	16QAM	1	0	21.29	21.33	21.51	21.43	21.42				
20	16QAM	1	49	21.49	21.58	21.72	21.62	21.60				
20	16QAM	1	99	21.39	21.45	21.54	21.57	21.42	21.4	2		
20	16QAM	50	0	20.18	20.34	20.52	20.43	20.38				
20	16QAM	50	24	20.28	20.42	20.56	20.48	20.44				
20	16QAM	50	50	20.37	20.37	20.51	20.44	20.39	21.4	2		
20	16QAM	100	0	20.24	20.36	20.49	20.40	20.40				
20	64QAM	1	0	20.10	20.21	20.36	20.30	20.26				
20	64QAM	1	49	20.28	20.42	20.52	20.42	20.46	21.4	2		
20	64QAM	1	99	20.20	20.28	20.38	20.35	20.24				
20	64QAM	50	0	19.14	19.32	19.46	19.35	19.38				
20	64QAM	50	24	19.27	19.37	19.52	19.43	19.42	20.4	3		
20	64QAM	50	50	19.30	19.34	19.47	19.40	19.39				
20	64QAM	100	0	19.26	19.31	19.50	19.38	19.34				
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	22.29	22.42	22.43	22.31	22.18	23.4	0		
15	QPSK	1	37	22.46	22.44	22.41	22.34	22.31				
15	QPSK	1	74	22.40	22.46	22.44	22.34	22.23				
15	QPSK	36	0	21.35	21.44	21.47	21.36	21.29	22.4	1		
15	QPSK	36	20	21.38	21.43	21.48	21.39	21.27				
15	QPSK	36	39	21.39	21.43	21.49	21.37	21.22				
15	QPSK	75	0	21.42	21.48	21.53	21.39	21.26	22.4	1		
15	16QAM	1	0	21.44	21.53	21.61	21.47	21.32				
15	16QAM	1	37	21.60	21.73	21.68	21.56	21.40				
15	16QAM	1	74	21.53	21.62	21.60	21.46	21.31	21.4	2		
15	16QAM	36	0	20.31	20.41	20.46	20.34	20.27				
15	16QAM	36	20	20.40	20.41	20.47	20.36	20.26				
15	16QAM	36	39	20.38	20.45	20.46	20.34	20.26	21.4	2		
15	16QAM	75	0	20.37	20.44	20.52	20.42	20.23				
15	64QAM	1	0	20.34	20.39	20.49	20.31	20.16				
15	64QAM	1	37	20.41	20.53	20.55	20.43	20.24	21.4	2		
15	64QAM	1	74	20.38	20.44	20.46	20.34	20.27				
15	64QAM	36	0	19.30	19.40	19.47	19.34	19.29				
15	64QAM	36	20	19.39	19.44	19.46	19.39	19.24	20.4	3		
15	64QAM	36	39	19.35	19.44	19.46	19.35	19.23				
15	64QAM	75	0	19.36	19.40	19.51	19.38	19.23				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.27	22.35	22.42	22.31	22.19	23.4	0		
10	QPSK	1	25	22.40	22.34	22.42	22.34	22.20				
10	QPSK	1	49	22.31	22.31	22.43	22.30	22.17				
10	QPSK	25	0	21.35	21.46	21.50	21.47	21.30	22.4	1		
10	QPSK	25	12	21.39	21.45	21.54	21.42	21.30				
10	QPSK	25	25	21.39	21.46	21.51	21.42	21.30				
10	QPSK	50	0	21.42	21.44	21.56	21.42	21.31	22.4	1		
10	16QAM	1	0	21.48	21.58	21.59	21.53	21.43				
10	16QAM	1	25	21.57	21.60	21.70	21.59	21.46				
10	16QAM	1	49	21.56	21.63	21.71	21.49	21.33	22.4	1		
10	16QAM	25	0	20.37	20.48	20.56	20.50	20.35				
10	16QAM	25	12	20.43	20.51	20.54	20.49	20.42				
10	16QAM	25	25	20.46	20.50	20.54	20.45	20.29	21.4	2		
10	16QAM	50	0	20.41	20.50	20.60	20.43	20.34				
10	64QAM	1	0	20.32	20.43	20.51	20.39	20.28				
10	64QAM	1	25	20.40	20.54	20.53	20.41	20.28	21.4	2		
10	64QAM	1	49	20.36	20.45	20.46	20.34	20.25				
10	64QAM	25	0	19.41	19.51	19.56	19.51	19.39				
10	64QAM	25	12	19.45	19.50	19.55	19.45	19.37	20.4	3		
10	64QAM	25	25	19.46	19.50	19.56	19.48	19.33				
10	64QAM	50	0	19.33	19.43	19.51	19.44	19.27				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.32	22.38	22.44	22.29	22.20	23.4	0		
5	QPSK	1	12	22.41	22.36	22.34	22.32	22.24				
5	QPSK	1	24	22.37	22.46	22.42	22.33	22.21				
5	QPSK	12	0	21.41	21.49	21.53	21.47	21.32	22.4	1		
5	QPSK	12	7	21.40	21.49	21.49	21.41	21.26				
5	QPSK	12	13	21.39	21.44	21.45	21.35	21.25				
5	QPSK	25	0	21.43	21.49	21.52	21.41	21.33	22.4	1		
5	16QAM	1	0	21.51	21.60	21.68	21.56	21.41				
5	16QAM	1	12	21.54	21.65	21.64	21.53	21.45				
5	16QAM	1	24	21.57	21.63	21.65	21.62	21.43	21.4	2		
5	16QAM	12	0	20.40	20.45	20.51	20.39	20.37				
5	16QAM	12	7	20.36	20.48	20.50	20.42	20.33				
5	16QAM	12	13	20.37	20.44	20.47	20.40	20.27	21.4	2		
5	16QAM	25	0	20.42	20.53	20.54	20.45	20.34				
5	64QAM	1	0	20.42	20.49	20.55	20.42	20.23				
5	64QAM	1	12	20.37	20.53	20.62	20.45	20.37	21.4	2		
5	64QAM	1	24	20.45	20.51	20.52	20.40	20.30				
5	64QAM	12	0	19.41	19.50	19.51	19.47	19.35				
5	64QAM	12	7	19.44	19.48	19.58	19.40	19.32	20.4	3		
5	64QAM	12	13	19.42	19.46	19.50	19.37	19.29				
5	64QAM	25	0	19.44	19.51	19.55	19.46	19.36				

Band 41_Ant 31												
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	23.8	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.40	22.25	22.35	22.54	22.65	23.8	1		
20	QPSK	1	49	22.46	22.51	22.82	22.71	22.78				
20	QPSK	1	99	22.39	22.28	22.60	22.64	22.59				
20	QPSK	50	0	21.46	21.63	21.73	21.77	21.78				
20	QPSK	50	24	21.67	21.85	21.83	21.80	21.81				
20	QPSK	50	50	21.63	21.62	21.74	21.78	21.77	22.8	1		
20	QPSK	100	0	21.53	21.62	21.79	21.74	21.76				
20	16QAM	1	1	21.52	21.59	21.64	21.71	21.85				
20	16QAM	1	49	21.72	21.81	22.01	21.94	22.07				
20	16QAM	1	99	21.59	21.72	21.84	21.86	21.89				
20	16QAM	50	0	20.46	20.57	20.76	20.79	20.81	21.8	2		
20	16QAM	50	24	20.58	20.63	20.81	20.85	20.93				
20	16QAM	50	50	20.63	20.64	20.81	20.82	20.86				
20	16QAM	100	0	20.57	20.59	20.76	20.78	20.80				
20	84QAM	1	0	20.38	20.44	20.59	20.65	20.71				
20	84QAM	1	49	20.60	20.72	20.80	20.77	20.86	21.8	2		
20	84QAM	1	99	20.46	20.56	20.66	20.72	20.75				
20	84QAM	50	0	19.40	19.56	19.73	19.71	19.76				
20	84QAM	50	24	19.53	19.58	19.76	19.80	19.84				
20	84QAM	50	50	19.57	19.59	19.74	19.75	19.79				
20	84QAM	100	0	19.52	19.59	19.74	19.71	19.79	20.8	3		
Channel				39725	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	22.47	22.58	22.66	22.62	22.61	23.8	0		
15	QPSK	1	37	22.59	22.75	22.81	22.79	22.65				
15	QPSK	1	74	22.53	22.66	22.69	22.65	22.64				
15	QPSK	36	0	21.45	21.62	21.69	21.68	21.70				
15	QPSK	36	20	21.55	21.64	21.72	21.73	21.70				
15	QPSK	36	39	21.54	21.65	21.72	21.69	21.68	22.8	1		
15	QPSK	75	0	21.55	21.64	21.73	21.76	21.73				
15	16QAM	1	0	21.62	21.76	21.83	21.76	21.74				
15	16QAM	1	37	21.79	21.90	21.90	21.90	21.83				
15	16QAM	1	74	21.68	21.80	21.85	21.82	21.75				
15	16QAM	36	0	20.45	20.63	20.69	20.67	20.64	21.8	2		
15	16QAM	36	20	20.55	20.62	20.73	20.75	20.64				
15	16QAM	36	39	20.55	20.60	20.71	20.73	20.65				
15	16QAM	75	0	20.53	20.61	20.74	20.75	20.65				
15	84QAM	1	0	20.47	20.55	20.65	20.63	20.59				
15	84QAM	1	37	20.64	20.70	20.79	20.72	20.68	21.8	2		
15	84QAM	1	74	20.55	20.65	20.67	20.70	20.57				
15	84QAM	36	0	19.43	19.60	19.70	19.65	19.69				
15	84QAM	36	20	19.52	19.62	19.68	19.72	19.64				
15	84QAM	36	39	19.54	19.62	19.68	19.67	19.66				
15	84QAM	75	0	19.53	19.62	19.70	19.71	19.65	20.8	3		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.42	22.54	22.66	22.60	22.58	23.8	0		
10	QPSK	1	25	22.54	22.60	22.72	22.64	22.62				
10	QPSK	1	49	22.48	22.50	22.59	22.61	22.56				
10	QPSK	25	0	21.53	21.68	21.73	21.76	21.76				
10	QPSK	25	12	21.53	21.62	21.74	21.84	21.73				
10	QPSK	25	25	21.56	21.65	21.74	21.75	21.77	22.8	1		
10	QPSK	50	0	21.53	21.64	21.75	21.79	21.73				
10	16QAM	1	0	21.75	21.78	21.89	21.87	21.83				
10	16QAM	1	25	21.76	21.83	21.93	21.92	21.85				
10	16QAM	1	49	21.69	21.91	21.97	21.86	21.84				
10	16QAM	25	0	20.56	20.61	20.76	20.75	20.75	21.8	2		
10	16QAM	25	12	20.60	20.69	20.79	20.78	20.74				
10	16QAM	25	25	20.60	20.66	20.78	20.78	20.75				
10	16QAM	50	0	20.58	20.68	20.79	20.78	20.75				
10	84QAM	1	0	20.50	20.61	20.74	20.71	20.63				
10	84QAM	1	25	20.55	20.68	20.81	20.77	20.71	21.8	2		
10	84QAM	1	49	20.55	20.62	20.71	20.71	20.65				
10	84QAM	25	0	19.56	19.72	19.78	19.85	19.76				
10	84QAM	25	12	19.60	19.70	19.77	19.79	19.80				
10	84QAM	25	25	19.58	19.67	19.76	19.77	19.75				
10	84QAM	50	0	19.49	19.64	19.71	19.77	19.65	20.8	3		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.47	22.57	22.66	22.63	22.62	23.8	0		
5	QPSK	1	12	22.57	22.66	22.72	22.65	22.65				
5	QPSK	1	24	22.51	22.64	22.67	22.68	22.65				
5	QPSK	12	0	21.55	21.68	21.76	21.72	21.72				
5	QPSK	12	7	21.56	21.64	21.76	21.72	21.77				
5	QPSK	12	13	21.57	21.69	21.67	21.70	21.70	22.8	1		
5	QPSK	25	0	21.57	21.74	21.74	21.74	21.71				
5	16QAM	1	0	21.84	21.76	21.91	21.84	21.93				
5	16QAM	1	12	21.87	21.84	21.85	21.83	21.82				
5	16QAM	1	24	21.73	21.81	21.89	21.88	21.84				
5	16QAM	12	0	20.54	20.69	20.75	20.75	20.73	21.8	2		
5	16QAM	12	7	20.56	20.68	20.72	20.77	20.76				
5	16QAM	12	13	20.55	20.62	20.72	20.74	20.69				
5	16QAM	25	0	20.62	20.73	20.76	20.77	20.76				
5	84QAM	1	0	20.58	20.70	20.76	20.79	20.76				
5	84QAM	1	12	20.64	20.66	20.87	20.80	20.73	21.8	2		
5	84QAM	1	24	20.64	20.70	20.76	20.79	20.75				
5	84QAM	12	0	19.53	19.68	19.74	19.77	19.76				
5	84QAM	12	7	19.52	19.67	19.74	19.74	19.74				
5	84QAM	12	13	19.53	19.65	19.72	19.73	19.65				
5	84QAM	25	0	19.59	19.72	19.80	19.77	19.76	20.8	3		

Reduced Power Mode for DS12

GSM850_Ant 13	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6		
GSM 1 Tx slot		29.54	29.61	29.55	30.50	20.54	20.61	20.55	21.50	
GPRS 1 Tx slot		26.51	26.59	26.52	30.50	20.51	20.59	20.52	21.50	
GPRS 2 Tx slots		26.05	26.02	26.01	26.50	20.05	20.02	20.01	20.50	
GPRS 3 Tx slots		24.53	24.53	24.52	25.00	20.27	20.27	20.26	20.74	
GPRS 4 Tx slots		23.50	23.49	23.65	24.00	20.50	20.49	20.65	21.00	
EDGE(GMSK 1 Tx slot)		29.34	29.40	29.55	30.50	20.34	20.40	20.55	21.50	
EDGE(GMSK 2 Tx slots)		25.87	25.91	26.09	26.50	19.87	19.91	20.09	20.50	
EDGE(GMSK 3 Tx slots)		24.37	24.40	24.59	25.00	20.11	20.14	20.33	20.74	
EDGE(GMSK 4 Tx slots)		23.34	23.37	23.55	24.00	20.34	20.37	20.55	21.00	
EDGE 1 Tx slot		26.81	26.76	26.73	27.50	17.81	17.76	17.73	18.50	
EDGE 2 Tx slots		24.57	24.68	24.45	25.50	18.57	18.68	18.45	19.50	
EDGE 3 Tx slots		22.52	22.43	22.26	23.50	18.26	18.17	18.00	19.24	
EDGE 4 Tx slots		20.87	20.91	20.65	22.00	17.87	17.91	17.65	19.00	

GSM1900_Ant 13	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	24.84	24.95	24.83	26.00	15.84	15.95	15.83	17.00
GPRS 1 Tx slot	24.81	24.93	24.81	26.00	15.81	15.93	15.81	17.00
GPRS 2 Tx slots	22.27	22.34	22.27	23.00	16.27	16.34	16.27	17.00
GPRS 3 Tx slots	20.30	20.40	20.24	21.00	16.04	16.14	15.98	16.74
GPRS 4 Tx slots	19.25	19.44	19.26	20.00	16.25	16.44	16.26	17.00
EDGE(GMSK 1 Tx slot)	24.83	24.89	24.71	26.00	15.83	15.89	15.71	17.00
EDGE(GMSK 2 Tx slots)	22.22	22.33	22.11	23.00	16.22	16.33	16.11	17.00
EDGE(GMSK 3 Tx slots)	20.22	20.31	20.06	21.00	15.96	16.05	15.80	16.74
EDGE(GMSK 4 Tx slots)	19.16	19.30	19.06	20.00	16.16	16.30	16.06	17.00
EDGE 1 Tx slot	25.84	25.90	25.83	26.00	16.84	16.90	16.83	17.00
EDGE 2 Tx slots	22.85	22.86	22.78	23.00	16.85	16.86	16.78	17.00
EDGE 3 Tx slots	20.77	20.68	20.66	21.00	16.51	16.42	16.40	16.74
EDGE 4 Tx slots	19.35	19.38	19.24	20.00	16.35	16.38	16.24	17.00

Band	WCDMA R_Ant 13				Tune-up Limit (dBm)	WCDMA R_Ant 31				Tune-up Limit (dBm)
	TX Channel	9202	9400	9538		9202	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938		
Frequency (MHz)		1852.4	1860	1907.6		1852.4	1860	1907.6		
3GPP Rel 99	AMR 12.2Kbps	14.94	14.98	14.89	16.30	23.23	23.25	23.18	24.20	
3GPP Rel 99	RM-C 12.2Kbps	14.97	15.01	14.82	16.30	23.26	23.27	23.20	24.20	
3GPP Rel 6	HSDPA Subtest-1	14.22	14.11	14.08	15.30	22.29	22.28	22.21	23.20	
3GPP Rel 6	HSDPA Subtest-2	14.20	14.12	14.04	15.30	22.25	22.29	22.19	23.20	
3GPP Rel 6	HSDPA Subtest-3	13.72	13.65	13.58	14.80	21.82	21.84	21.73	22.70	
3GPP Rel 6	HSDPA Subtest-4	13.71	13.61	13.54	14.80	21.75	21.78	21.69	22.70	
3GPP Rel 6	HSUPA Subtest-1	13.08	13.01	13.14	13.30	20.99	20.91	20.93	21.20	
3GPP Rel 6	HSUPA Subtest-2	13.14	13.15	13.14	13.30	20.98	20.93	20.93	21.20	
3GPP Rel 6	HSUPA Subtest-3	14.11	13.96	14.15	14.30	22.06	21.94	21.97	22.20	
3GPP Rel 6	HSUPA Subtest-4	12.62	12.62	12.70	12.80	20.57	20.47	20.51	21.20	
3GPP Rel 6	HSUPA Subtest-5	14.20	14.30	14.10	14.30	22.00	21.90	21.90	22.20	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.96	13.06	13.02	13.30	20.85	20.82	20.81	21.20	

Band	WCDMA V_Ant 13				Tune-up Limit (dBm)	WCDMA V_Ant 41				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	20.21	20.28	20.25	21.50	23.02	23.07	22.96	24.00	
3GPP Rel 99	RM-C 12.2Kbps	20.25	20.31	20.29	21.50	23.04	23.09	22.99	24.00	
3GPP Rel 6	HSDPA Subtest-1	19.44	19.46	19.39	20.50	22.00	22.10	21.99	23.00	
3GPP Rel 6	HSDPA Subtest-2	19.43	19.45	19.34	20.50	22.02	22.05	21.98	23.00	
3GPP Rel 6	HSDPA Subtest-3	19.13	19.16	19.04	20.00	21.54	21.61	21.53	22.50	
3GPP Rel 6	HSDPA Subtest-4	19.10	19.13	19.00	20.00	21.53	21.57	21.48	22.50	
3GPP Rel 6	HSUPA Subtest-1	17.95	18.44	18.15	18.50	20.77	20.84	20.77	21.00	
3GPP Rel 6	HSUPA Subtest-2	18.18	18.40	18.19	18.50	20.74	20.84	20.78	21.00	
3GPP Rel 6	HSUPA Subtest-3	19.16	19.26	19.41	19.50	21.81	21.89	21.80	22.00	
3GPP Rel 6	HSUPA Subtest-4	17.94	17.80	17.77	18.00	20.31	20.38	20.28	20.50	
3GPP Rel 6	HSUPA Subtest-5	19.10	19.30	19.10	19.50	20.70	21.80	20.80	22.00	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.05	18.27	18.14	18.50	20.83	20.70	20.65	21.00	

GSM850_Ant 41	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.6	850.0	824.2	836.4	848.6	850.0		
GSM 1 Tx slot	32.35	32.26	32.35	33.50	23.35	23.26	23.35	24.50		
GPRS 1 Tx slot	32.33	32.23	32.32	33.50	23.33	23.23	23.32	24.50		
GPRS 2 Tx slots	30.50	30.64	30.62	31.50	24.50	24.64	24.62	25.50		
GPRS 3 Tx slots	28.64	28.70	28.66	29.50	24.38	24.44	24.40	25.24		
GPRS 4 Tx slots	27.14	27.24	27.18	28.00	24.14	24.24	24.18	25.00		
EDGE(GMSK 1 Tx slot)	32.24	32.18	32.16	33.50	23.24	23.18	23.16	24.50		
EDGE(GMSK 2 Tx slots)	30.57	30.53	30.56	31.50	24.57	24.53	24.56	25.50		
EDGE(GMSK 3 Tx slots)	28.58	28.62	28.61	29.50	24.32	24.36	24.35	25.24		
EDGE(GMSK 4 Tx slots)	27.07	27.19	27.13	28.00	24.07	24.19	24.13	25.00		
EDGE 1 Tx slot	26.85	26.84	26.61	27.50	17.85	17.84	17.61	18.50		
EDGE 2 Tx slots	24.57	24.75	24.62	25.50	18.57	18.75	18.62	19.50		
EDGE 3 Tx slots	22.48	22.54	22.31	23.50	18.22	18.28	18.05	19.24		
EDGE 4 Tx slots	20.97	20.99	20.76	22.00	17.97	17.99	17.76	19.00		

GSM1900_Ant 31	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	29.76	29.75	29.80	30.50	20.76	20.75	20.80	21.50
GPRS 1 Tx slot	29.73	29.73	29.58	30.50	20.73	20.73	20.58	21.50
GPRS 2 Tx slots	26.01	26.05	27.39	26.50	22.01	22.05	21.99	22.50
GPRS 3 Tx slots	26.03	26.08	25.86	26.50	21.77	21.82	21.60	22.24
GPRS 4 Tx slots	24.44	24.52	24.37	25.00	21.44	21.52	21.37	22.00
EDGE(GMSK 1 Tx slot)	29.62	29.62	29.53	30.50	20.62	20.62	20.53	21.50
EDGE(GMSK 2 Tx slots)	27.94	28.02	27.88	28.50	21.94	22.02	21.88	22.50
EDGE(GMSK 3 Tx slots)	26.00	26.05	25.83	26.50	21.74	21.79	21.57	22.24
EDGE(GMSK 4 Tx slots)	24.48	24.51	24.37	25.00	21.48	21.51	21.37	22.00
EDGE 1 Tx slot	26.40	26.41	26.39	26.50	17.40	17.41	17.39	17.50
EDGE 2 Tx slots	24.45	24.46	24.45	24.50	16.45	16.46	16.45	16.50
EDGE 3 Tx slots	22.47	22.25	22.11	22.50	16.21	17.99	17.85	18.24
EDGE 4 Tx slots	20.73	20.58	20.57	21.00	17.73	17.58	17.57	18.00

Band	WCDMA R_Ant 13				Tune-up Limit (dBm)	WCDMA R_Ant 31				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	16.55	16.63	16.61	17.80	22.95	23.10	23.07	24.20	
3GPP Rel 99	RM-C 12.2Kbps	16.58	16.66	16.63	17.80	22.97	23.11	23.10	24.20	
3GPP Rel 6	HSDPA Subtest-1	15.65	15.74	15.97	16.80	21.82	22.02	21.97	23.20	
3GPP Rel 6	HSDPA Subtest-2	15.68	15.72	15.67	16.80	21.81	22.00	21.93	23.20	
3GPP Rel 6	HSDPA Subtest-3	15.20	15.25	15.39	16.30	21.35	21.55	21.47	22.70	
3GPP Rel 6	HSDPA Subtest-4	15.16	15.22	15.32	16.30	21.32	21.51	21.41	22.70	
3GPP Rel 6	HSUPA Subtest-1	14.76	14.70	14.44	14.80	20.76	20.83	20.96	21.20	
3GPP Rel 6	HSUPA Subtest-2	14.38	14.63	14.84	14.80	20.68	20.84	20.96	21.20	
3GPP Rel 6	HSUPA Subtest-3	15.56	15.60	15.62	15.80	21.75	21.83	21.98	22.20	
3GPP Rel 6	HSUPA Subtest-4	13.97	14.01	14.16	14.30	20.29	20.35	20.49	21.20	
3GPP Rel 6	HSUPA Subtest-5	15.60	15.50	15.50	15.80	21.70	21.80	22.00	22.20	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.38	14.41	14.34	14.80	20.62	20.71	20.74	21.20	

Band 2_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100	19100			
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	15.49	15.47	15.45	16.5	0		
20	QPSK	1	49	15.70	15.71	15.52				
20	QPSK	1	99	15.43	15.38	15.42				
20	QPSK	50	0	15.50	15.58	15.48	16.5	0		
20	QPSK	50	24	15.67	15.68	15.50				
20	QPSK	50	50	15.43	15.41	15.45				
20	QPSK	100	0	15.55	15.56	15.43	16.5	0		
20	16QAM	1	0	15.55	15.35	15.34				
20	16QAM	1	49	15.40	15.44	15.40				
20	16QAM	1	99	15.48	15.20	15.38	16.5	0		
20	16QAM	50	0	15.46	15.44	15.41				
20	16QAM	50	24	15.45	15.45	15.40				
20	16QAM	50	50	15.40	15.43	15.44	16.5	0		
20	16QAM	100	0	15.36	15.38	15.42				
20	84QAM	1	0	15.67	15.60	15.36	16.5	0		
20	84QAM	1	49	15.68	15.47	15.48				
20	84QAM	1	99	15.64	15.26	15.33				
20	84QAM	50	0	15.44	15.44	15.50	16.5	0		
20	84QAM	50	24	15.51	15.46	15.48				
20	84QAM	50	50	15.35	15.39	15.49				
20	84QAM	100	0	15.40	15.45	15.49	19100			
Channel				18675	18900	19125				
Frequency (MHz)				1857.5	18800	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	15.33	15.45	15.34	16.5	0		
15	QPSK	1	37	15.36	15.45	15.40				
15	QPSK	1	74	15.45	15.31	15.32				
15	QPSK	36	0	15.56	15.45	15.41	16.5	0		
15	QPSK	36	20	15.60	15.47	15.42				
15	QPSK	36	39	15.53	15.39	15.35				
15	QPSK	75	0	15.56	15.46	15.38	16.5	0		
15	16QAM	1	0	15.68	15.51	15.39				
15	16QAM	1	37	15.54	15.48	15.44				
15	16QAM	1	74	15.55	15.34	15.32	16.5	0		
15	16QAM	36	0	15.57	15.52	15.44				
15	16QAM	36	20	15.56	15.51	15.40				
15	16QAM	36	39	15.55	15.37	15.37	16.5	0		
15	16QAM	75	0	15.51	15.46	15.44				
15	84QAM	1	0	15.62	15.55	15.42	16.5	0		
15	84QAM	1	37	15.67	15.53	15.47				
15	84QAM	1	74	15.52	15.39	15.38				
15	84QAM	36	0	15.59	15.54	15.48	16.5	0		
15	84QAM	36	20	15.58	15.51	15.44				
15	84QAM	36	39	15.51	15.40	15.43				
15	84QAM	75	0	15.54	15.42	15.44	19150			
Channel				18850	18900	19150				
Frequency (MHz)				1885	1880	1905	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	15.58	15.48	15.35	16.5	0		
10	QPSK	1	25	15.58	15.47	15.43				
10	QPSK	1	49	15.52	15.38	15.41				
10	QPSK	25	0	15.55	15.49	15.45	16.5	0		
10	QPSK	25	12	15.56	15.48	15.42				
10	QPSK	25	25	15.53	15.41	15.39				
10	QPSK	50	0	15.57	15.48	15.41	16.5	0		
10	16QAM	1	0	15.67	15.60	15.49				
10	16QAM	1	25	15.62	15.59	15.54				
10	16QAM	1	49	15.61	15.50	15.43	16.5	0		
10	16QAM	25	0	15.58	15.50	15.48				
10	16QAM	25	12	15.58	15.44	15.40				
10	16QAM	25	25	15.51	15.41	15.44	16.5	0		
10	16QAM	50	0	15.54	15.48	15.39				
10	84QAM	1	0	15.67	15.56	15.44	16.5	0		
10	84QAM	1	25	15.64	15.56	15.46				
10	84QAM	1	49	15.63	15.46	15.41				
10	84QAM	25	0	15.67	15.60	15.57	16.5	0		
10	84QAM	25	12	15.66	15.56	15.52				
10	84QAM	25	25	15.62	15.52	15.56				
10	84QAM	50	0	15.66	15.56	15.55	19150			
Channel				18825	18900	19175				
Frequency (MHz)				1882.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	15.59	15.47	15.43	16.5	0		
5	QPSK	1	12	15.66	15.48	15.42				
5	QPSK	1	24	15.52	15.44	15.43				
5	QPSK	12	0	15.56	15.48	15.43	16.5	0		
5	QPSK	12	7	15.57	15.43	15.40				
5	QPSK	12	13	15.55	15.41	15.42				
5	QPSK	25	0	15.54	15.46	15.43	16.5	0		
5	16QAM	1	0	15.62	15.54	15.48				
5	16QAM	1	12	15.56	15.56	15.48				
5	16QAM	1	24	15.57	15.46	15.47	16.5	0		
5	16QAM	12	0	15.64	15.59	15.53				
5	16QAM	12	7	15.66	15.54	15.50				
5	16QAM	12	13	15.65	15.51	15.51	16.5	0		
5	16QAM	25	0	15.67	15.57	15.53				
5	84QAM	1	0	15.65	15.54	15.47	16.5	0		
5	84QAM	1	12	15.68	15.57	15.47				
5	84QAM	1	24	15.57	15.49	15.47				
5	84QAM	12	0	15.69	15.61	15.56	16.5	0		
5	84QAM	12	7	15.69	15.55	15.54				
5	84QAM	12	13	15.68	15.56	15.58				
5	84QAM	25	0	15.68	15.57	15.52	19175			
Channel				18815	18900	19185				
Frequency (MHz)				1881.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	15.56	15.42	15.38	16.5	0		
3	QPSK	1	8	15.52	15.40	15.37				
3	QPSK	1	14	15.56	15.41	15.39				
3	QPSK	8	0	15.56	15.44	15.39	16.5	0		
3	QPSK	8	4	15.57	15.42	15.42				
3	QPSK	8	7	15.55	15.43	15.42				
3	QPSK	15	0	15.53	15.40	15.41	16.5	0		
3	16QAM	1	0	15.62	15.50	15.38				
3	16QAM	1	8	15.60	15.52	15.38				
3	16QAM	1	14	15.68	15.50	15.37	16.5	0		
3	16QAM	8	0	15.63	15.52	15.48				
3	16QAM	8	4	15.64	15.48	15.50				
3	16QAM	8	7	15.64	15.48	15.50	16.5	0		
3	16QAM	15	0	15.60	15.46	15.46				
3	84QAM	1	0	15.57	15.60	15.44	16.5	0		
3	84QAM	1	8	15.59	15.47	15.44				
3	84QAM	1	14	15.63	15.50	15.49				
3	84QAM	8	0	15.62	15.53	15.44	16.5	0		
3	84QAM	8	4	15.62	15.49	15.46				
3	84QAM	8	7	15.61	15.47	15.46	19175			
3	84QAM	15	0	15.58	15.44	15.44				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	1909.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	15.53	15.41	15.46	16.5	0		
1.4	QPSK	1	3	15.55	15.41	15.38				
1.4	QPSK	1	6	15.53	15.39	15.39				
1.4	QPSK	3	0	15.54	15.44	15.43	16.5	0		
1.4	QPSK	3	1	15.53	15.45	15.43				
1.4	QPSK	3	3	15.55	15.40	15.43				
1.4	QPSK	6	0	15.58	15.46	15.46	16.5	0		
1.4	16QAM	1	0	15.63	15.49	15.41				
1.4	16QAM	1	3	15.61	15.49	15.41				
1.4	16QAM	1	5	15.60	15.47	15.45	16.5	0		
1.4	16QAM	3	0	15.35	15.36	15.21				
1.4	16QAM	3	1	15.38	15.28	15.21				
1.4	16QAM	3	3	15.36	15.17	15.20	16.5	0		
1.4	84QAM	1	0	15.62	15.50	15.46				
1.4	84QAM	1	3	15.61	15.46	15.46				
1.4	84QAM	1	5	15.59	15.43	15.52	16.5	0		
1.4	84QAM	3	0	15.57	15.47	15.43				
1.4	84QAM	3	1	15.56	15.46	15.43				
1.4	84QAM	3	3	15.69	15.56	15.52	16.5	0		
1.4	84QAM	6	0	15.56	15.46	15.41				

Band 4_Ant 31									
BW [MHz]	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	24.1	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.39	22.38	22.44			
20	QPSK	1	49	22.55	22.58	22.59			
20	QPSK	1	99	22.43	22.41	22.44	23.1	1	
20	QPSK	50	0	21.39	21.54	21.32			
20	QPSK	50	24	21.52	21.58	21.59			
20	QPSK	50	50	21.45	21.46	21.51			
20	QPSK	100	0	21.46	21.52	21.54	23.1	1	
20	16QAM	1	0	21.69	21.82	21.88			
20	16QAM	1	49	21.91	21.87	21.99			
20	16QAM	1	99	21.74	21.65	21.81			
20	16QAM	50	0	20.50	20.61	20.32	22.1	2	
20	16QAM	50	24	20.39	20.60	20.49			
20	16QAM	50	50	20.48	20.57	20.43			
20	16QAM	100	0	20.43	20.56	20.40			
20	64QAM	1	0	20.47	20.41	20.41	22.1	2	
20	64QAM	1	49	20.52	20.56	20.54			
20	64QAM	1	99	20.49	20.42	20.31			
20	64QAM	50	0	19.68	19.67	19.38			
20	64QAM	50	24	19.61	19.72	19.59	21.1	3	
20	64QAM	50	50	19.60	19.49	19.56			
20	64QAM	100	0	19.63	19.65	19.47			
20	64QAM	100	0	19.63	19.65	19.47			
Channel				20025	20175	20325	24.1	0	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.20	22.35	22.43			
15	QPSK	1	37	22.37	22.46	22.53			
15	QPSK	1	74	22.25	22.31	22.41	23.1	1	
15	QPSK	36	0	21.25	21.37	21.48			
15	QPSK	36	20	21.28	21.36	21.46			
15	QPSK	36	39	21.24	21.38	21.41			
15	QPSK	75	0	21.28	21.38	21.50	23.1	1	
15	16QAM	1	0	21.39	21.59	21.64			
15	16QAM	1	37	21.59	21.68	21.70			
15	16QAM	1	74	21.48	21.50	21.60			
15	16QAM	36	0	20.30	20.35	20.46	22.1	2	
15	16QAM	36	20	20.31	20.39	20.45			
15	16QAM	36	39	20.27	20.35	20.45			
15	16QAM	75	0	20.25	20.37	20.43			
15	64QAM	1	0	20.22	20.46	20.50	22.1	2	
15	64QAM	1	37	20.46	20.59	20.61			
15	64QAM	1	74	20.30	20.41	20.47			
15	64QAM	36	0	19.40	19.48	19.59			
15	64QAM	36	20	19.45	19.53	19.45	21.1	3	
15	64QAM	36	39	19.44	19.54	19.39			
15	64QAM	75	0	19.43	19.49	19.41			
15	64QAM	75	0	19.43	19.49	19.41			
Channel				20000	20175	20350	24.1	0	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.22	22.44	22.46			
10	QPSK	1	25	22.35	22.48	22.56			
10	QPSK	1	49	22.31	22.36	22.47	23.1	1	
10	QPSK	25	0	21.26	21.40	21.50			
10	QPSK	25	12	21.31	21.41	21.51			
10	QPSK	25	25	21.30	21.41	21.52			
10	QPSK	50	0	21.34	21.44	21.57	23.1	1	
10	16QAM	1	0	21.40	21.67	21.67			
10	16QAM	1	25	21.55	21.69	21.76			
10	16QAM	1	49	21.54	21.56	21.65			
10	16QAM	25	0	20.25	20.41	20.50	22.1	2	
10	16QAM	25	12	20.29	20.39	20.53			
10	16QAM	25	25	20.29	20.39	20.51			
10	16QAM	50	0	20.31	20.41	20.49			
10	64QAM	1	0	20.30	20.55	20.55	22.1	2	
10	64QAM	1	25	20.45	20.55	20.64			
10	64QAM	1	49	20.40	20.46	20.57			
10	64QAM	25	0	19.43	19.58	19.47			
10	64QAM	25	12	19.48	19.53	19.48	21.1	3	
10	64QAM	25	25	19.45	19.56	19.45			
10	64QAM	50	0	19.43	19.57	19.47			
10	64QAM	50	0	19.43	19.57	19.47			
Channel				19975	20175	20375	24.1	0	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.26	22.47	22.54			
5	QPSK	1	12	22.32	22.50	22.54			
5	QPSK	1	24	22.30	22.42	22.52	23.1	1	
5	QPSK	12	0	21.26	21.46	21.53			
5	QPSK	12	7	21.25	21.41	21.52			
5	QPSK	12	13	21.19	21.39	21.48			
5	QPSK	25	0	21.23	21.44	21.52	23.1	1	
5	16QAM	1	0	21.40	21.65	21.73			
5	16QAM	1	12	21.47	21.70	21.75			
5	16QAM	1	24	21.45	21.58	21.70			
5	16QAM	12	0	20.24	20.40	20.45	22.1	2	
5	16QAM	12	7	20.21	20.36	20.50			
5	16QAM	12	13	20.15	20.38	20.44			
5	16QAM	25	0	20.20	20.42	20.52			
5	64QAM	1	0	20.32	20.55	20.64	22.1	2	
5	64QAM	1	12	20.38	20.60	20.65			
5	64QAM	1	24	20.37	20.51	20.59			
5	64QAM	12	0	19.41	19.58	19.46			
5	64QAM	12	7	19.38	19.57	19.52	21.1	3	
5	64QAM	12	13	19.35	19.57	19.45			
5	64QAM	25	0	19.34	19.55	19.48			
5	64QAM	25	0	19.34	19.55	19.48			
Channel				19965	20175	20385	24.1	0	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.24	22.42	22.48			
3	QPSK	1	8	22.25	22.42	22.52			
3	QPSK	1	14	22.23	22.39	22.50	23.1	1	
3	QPSK	8	0	21.22	21.42	21.52			
3	QPSK	8	4	21.22	21.40	21.52			
3	QPSK	8	7	21.19	21.37	21.50			
3	QPSK	15	0	21.20	21.38	21.49	23.1	1	
3	16QAM	1	0	21.41	21.66	21.72			
3	16QAM	1	8	21.45	21.62	21.76			
3	16QAM	1	14	21.44	21.61	21.69			
3	16QAM	8	0	20.26	20.46	20.56	22.1	2	
3	16QAM	8	4	20.25	20.44	20.55			
3	16QAM	8	7	20.23	20.40	20.53			
3	16QAM	15	0	20.20	20.38	20.52			
3	64QAM	1	0	20.27	20.55	20.62	22.1	2	
3	64QAM	1	8	20.35	20.55	20.65			
3	64QAM	1	14	20.30	20.51	20.59			
3	64QAM	8	0	19.39	19.58	19.50			
3	64QAM	8	4	19.38	19.55	19.49	21.1	3	
3	64QAM	8	7	19.39	19.55	19.47			
3	64QAM	15	0	19.34	19.52	19.46			
3	64QAM	15	0	19.34	19.52	19.46			
Channel				19957	20175	20393	24.1	0	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	22.22	22.41	22.51			
1.4	QPSK	1	3	22.24	22.43	22.53			
1.4	QPSK	1	5	22.23	22.41	22.51	23.1	1	
1.4	QPSK	3	0	22.22	22.44	22.55			
1.4	QPSK	3	1	22.24	22.45	22.54			
1.4	QPSK	3	3	22.24	22.41	22.53			
1.4	QPSK	6	0	21.23	21.43	21.53	23.1		
1.4	16QAM	1	0	21.39	21.67	21.72	23.1	1	
1.4	16QAM	1	3	21.42	21.67	21.72			
1.4	16QAM	1	6	21.38	21.66	21.70			
1.4	16QAM	3	0	21.23	21.43	21.52			
1.4	16QAM	3	1	21.23	21.43	21.52	22.1	2	
1.4	16QAM	3	3	21.23	21.39	21.50			
1.4	64QAM	1	0	20.27	20.48	20.55			
1.4	64QAM	1	3	20.29	20.53	20.61			
1.4	64QAM	1	5	20.29	20.54	20.59	22.1	2	
1.4	64QAM	3	0	20.30	20.53	20.62			
1.4	64QAM	3	1	20.33	20.53	20.63			
1.4	64QAM	3	3	20.30	20.48	20.61			
1.4	64QAM	6	0	19.31	19.54	19.44	21.1		

Band 7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	14	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	12.49	12.46	12.50			
20	QPSK	1	49	12.55	12.87	12.64			
20	QPSK	1	99	12.46	12.63	12.60	14	0	
20	QPSK	50	0	12.45	12.62	12.65			
20	QPSK	50	24	12.58	12.76	12.71			
20	QPSK	50	50	12.56	12.66	12.76			
20	QPSK	100	0	12.51	12.75	12.71	14	0	
20	16QAM	1	0	12.71	12.85	12.86			
20	16QAM	1	49	12.82	12.84	12.85			
20	16QAM	1	99	12.86	12.83	12.82			
20	16QAM	50	0	12.46	12.59	12.69	14	0	
20	16QAM	50	24	12.56	12.69	12.73			
20	16QAM	50	50	12.55	12.63	12.86			
20	16QAM	100	0	12.48	12.66	12.77			
20	64QAM	1	0	12.52	12.72	12.72	14	0	
20	64QAM	1	49	12.75	12.86	12.85			
20	64QAM	1	99	12.66	12.86	12.77			
20	64QAM	50	0	12.47	12.61	12.70			
20	64QAM	50	24	12.56	12.67	12.73	14	0	
20	64QAM	50	50	12.52	12.64	12.86			
20	64QAM	100	0	12.47	12.64	12.77			
Channel				20925	21100	21315	14	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	12.35	12.32	12.47			
15	QPSK	1	37	12.33	12.79	12.68			
15	QPSK	1	74	12.29	12.36	12.55	14	0	
15	QPSK	36	0	12.31	12.60	12.47			
15	QPSK	36	20	12.35	12.82	12.77			
15	QPSK	36	39	12.41	12.73	12.80			
15	QPSK	75	0	12.55	12.55	12.72	14	0	
15	16QAM	1	0	12.79	12.79	12.69			
15	16QAM	1	37	12.83	12.84	12.78			
15	16QAM	1	74	12.71	12.78	12.84			
15	16QAM	36	0	12.42	12.36	12.71	14	0	
15	16QAM	36	20	12.45	12.76	12.75			
15	16QAM	36	39	12.42	12.60	12.71			
15	16QAM	75	0	12.51	12.62	12.68			
15	64QAM	1	0	12.49	12.71	12.74	14	0	
15	64QAM	1	37	12.64	12.72	12.84			
15	64QAM	1	74	12.53	12.76	12.83			
15	64QAM	36	0	12.53	12.62	12.42			
15	64QAM	36	20	12.47	12.50	12.65	14	0	
15	64QAM	36	39	12.36	12.70	12.73			
15	64QAM	75	0	12.37	12.48	12.60			
Channel				20800	21100	21400	14	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	12.56	12.25	12.36			
10	QPSK	1	25	12.40	12.64	12.40			
10	QPSK	1	49	12.54	12.41	12.64	14	0	
10	QPSK	25	0	12.36	12.58	12.48			
10	QPSK	25	12	12.33	12.65	12.54			
10	QPSK	25	25	12.38	12.73	12.75			
10	QPSK	50	0	12.31	12.54	12.70	14	0	
10	16QAM	1	0	12.58	12.77	12.63			
10	16QAM	1	25	12.81	12.62	12.78			
10	16QAM	1	49	12.62	12.81	12.80			
10	16QAM	25	0	12.18	12.48	12.63	14	0	
10	16QAM	25	12	12.42	12.69	12.68			
10	16QAM	25	25	12.53	12.67	12.63			
10	16QAM	50	0	12.55	12.72	12.53			
10	64QAM	1	0	12.40	12.80	12.64	14	0	
10	64QAM	1	25	12.73	12.61	12.64			
10	64QAM	1	49	12.52	12.58	12.58			
10	64QAM	25	0	12.43	12.61	12.57			
10	64QAM	25	12	12.53	12.51	12.66	14	0	
10	64QAM	25	25	12.50	12.64	12.71			
10	64QAM	50	0	12.53	12.55	12.56			
Channel				20775	21100	21425	14	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	12.39	12.29	12.26			
5	QPSK	1	12	12.39	12.70	12.51			
5	QPSK	1	24	12.43	12.43	12.46	14	0	
5	QPSK	12	0	12.23	12.69	12.37			
5	QPSK	12	7	12.40	12.56	12.63			
5	QPSK	12	13	12.53	12.40	12.64			
5	QPSK	25	0	12.30	12.65	12.72	14	0	
5	16QAM	1	0	12.55	12.80	12.59			
5	16QAM	1	12	12.69	12.68	12.74			
5	16QAM	1	24	12.81	12.80	12.72			
5	16QAM	12	0	12.52	12.44	12.52	14	0	
5	16QAM	12	7	12.32	12.56	12.64			
5	16QAM	12	13	12.56	12.51	12.65			
5	16QAM	25	0	12.42	12.68	12.73			
5	64QAM	1	0	12.60	12.66	12.63	14	0	
5	64QAM	1	12	12.58	12.60	12.83			
5	64QAM	1	24	12.71	12.68	12.55			
5	64QAM	12	0	12.40	12.38	12.59			
5	64QAM	12	7	12.35	12.59	12.65	14	0	
5	64QAM	12	13	12.43	12.53	12.83			
5	64QAM	25	0	12.38	12.45	12.71			

Band 7_Ant 31									
BW [MHz]	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	21.99	21.86	22.00	23.5	0	
20	QPSK	1	49	22.21	22.29	22.21			
20	QPSK	1	99	21.93	22.02	22.20			
20	QPSK	50	0	21.03	21.10	21.19			
20	QPSK	50	24	21.16	21.23	21.21	22.5	1	
20	QPSK	50	50	21.13	21.22	21.19			
20	QPSK	100	0	21.02	21.20	21.14			
20	16QAM	1	0	21.34	21.48	21.16			
20	16QAM	1	49	21.52	21.70	21.38	22.5	1	
20	16QAM	1	99	21.47	21.57	21.30			
20	16QAM	50	0	19.95	20.06	20.26			
20	16QAM	50	24	20.07	20.20	20.22			
20	16QAM	50	50	20.06	20.10	20.38	21.5	2	
20	16QAM	100	0	19.99	20.12	20.33			
20	64QAM	1	0	20.00	20.14	20.29			
20	64QAM	1	49	20.29	20.28	20.44			
20	64QAM	1	99	20.11	20.20	20.41	21.5	2	
20	64QAM	50	0	18.94	19.05	19.28			
20	64QAM	50	24	19.01	19.09	19.24			
20	64QAM	50	50	18.97	19.13	19.40			
20	64QAM	100	0	18.97	19.12	19.30	20.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.02	22.20	22.12			
15	QPSK	1	37	22.18	22.28	22.16			
15	QPSK	1	74	22.13	22.19	22.24			
15	QPSK	36	0	21.03	21.18	21.19			
15	QPSK	36	20	21.11	21.21	21.23	22.5	1	
15	QPSK	36	39	21.13	21.25	21.33			
15	QPSK	75	0	21.07	21.24	21.30			
15	16QAM	1	0	21.26	21.39	21.35			
15	16QAM	1	37	21.41	21.48	21.54	22.5	1	
15	16QAM	1	74	21.32	21.37	21.42			
15	16QAM	36	0	20.05	20.19	20.19			
15	16QAM	36	20	20.12	20.24	20.26			
15	16QAM	36	39	20.15	20.23	20.35	21.5	2	
15	16QAM	75	0	20.04	20.21	20.28			
15	64QAM	1	0	20.13	20.29	20.22			
15	64QAM	1	37	20.30	20.41	20.41			
15	64QAM	1	74	20.22	20.29	20.30	21.5	2	
15	64QAM	36	0	19.00	19.23	19.19			
15	64QAM	36	20	19.08	19.21	19.25			
15	64QAM	36	39	19.12	19.20	19.33			
15	64QAM	75	0	19.02	19.19	19.25	20.5	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.07	22.20	22.19			
10	QPSK	1	25	22.17	22.26	22.27			
10	QPSK	1	49	22.16	22.24	22.22			
10	QPSK	25	0	21.08	21.18	21.17			
10	QPSK	25	12	21.10	21.24	21.22	22.5	1	
10	QPSK	25	25	21.12	21.25	21.23			
10	QPSK	50	0	21.16	21.24	21.23			
10	16QAM	1	0	21.27	21.46	21.39			
10	16QAM	1	25	21.35	21.48	21.51	22.5	1	
10	16QAM	1	49	21.31	21.44	21.43			
10	16QAM	25	0	20.09	20.26	20.13			
10	16QAM	25	12	20.09	20.19	20.22			
10	16QAM	25	25	20.11	20.23	20.32	21.5	2	
10	16QAM	50	0	20.14	20.22	20.21			
10	64QAM	1	0	20.16	20.29	20.31			
10	64QAM	1	25	20.27	20.34	20.43			
10	64QAM	1	49	20.26	20.30	20.37	21.5	2	
10	64QAM	25	0	19.06	19.21	19.19			
10	64QAM	25	12	19.09	19.22	19.23			
10	64QAM	25	25	19.06	19.26	19.29			
10	64QAM	50	0	19.07	19.21	19.19	20.5	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.11	22.25	22.25			
5	QPSK	1	12	22.16	22.25	22.17			
5	QPSK	1	24	22.16	22.27	22.22			
5	QPSK	12	0	21.11	21.25	21.26			
5	QPSK	12	7	21.10	21.22	21.28	22.5	1	
5	QPSK	12	13	21.17	21.20	21.24			
5	QPSK	25	0	21.13	21.22	21.28			
5	16QAM	1	0	21.29	21.43	21.40			
5	16QAM	1	12	21.30	21.45	21.52	21.5	1	
5	16QAM	1	24	21.33	21.42	21.46			
5	16QAM	12	0	20.06	20.21	20.23			
5	16QAM	12	7	20.07	20.15	20.26			
5	16QAM	12	13	20.11	20.19	20.21	21.5	2	
5	16QAM	25	0	20.12	20.22	20.23			
5	64QAM	1	0	20.20	20.34	20.35			
5	64QAM	1	12	20.20	20.38	20.43			
5	64QAM	1	24	20.24	20.32	20.35	21.5	2	
5	64QAM	12	0	19.06	19.22	19.25			
5	64QAM	12	7	19.09	19.20	19.26			
5	64QAM	12	13	19.14	19.17	19.24			
5	64QAM	25	0	19.06	19.17	19.22	20.5	3	

Band 12_Ant 41										
BW [MHz]	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	23.40	23.51	23.33				
10	QPSK	1	25	23.50	23.54	23.48				
10	QPSK	1	49	23.47	23.50	23.47	23.5	1		
10	QPSK	25	0	22.43	22.40	22.29				
10	QPSK	25	12	22.45	22.48	22.31				
10	QPSK	25	25	22.44	22.41	22.27				
10	QPSK	50	0	22.46	22.48	22.33	23.5	1		
10	16QAM	1	0	22.80	22.75	22.84				
10	16QAM	1	25	22.82	22.85	22.84				
10	16QAM	1	49	22.86	22.84	22.85				
10	16QAM	25	0	21.40	21.32	21.31	22.5	2		
10	16QAM	25	12	21.35	21.37	21.48				
10	16QAM	25	25	21.42	21.50	21.36				
10	16QAM	50	0	21.49	21.45	21.27				
10	64QAM	1	0	21.58	21.40	21.61	22.5	2		
10	64QAM	1	25	21.62	21.57	21.65				
10	64QAM	1	49	21.73	21.47	21.60				
10	64QAM	25	0	20.57	20.52	20.48				
10	64QAM	25	12	20.57	20.61	20.57	21.5	3		
10	64QAM	25	25	20.62	20.67	20.41				
10	64QAM	50	0	20.56	20.57	20.38				
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	23.29	23.37	23.36				
5	QPSK	1	12	23.43	23.38	23.39				
5	QPSK	1	24	23.45	23.45	23.43				
5	QPSK	12	0	22.27	22.27	22.28	23.5	1		
5	QPSK	12	7	22.33	22.35	22.22				
5	QPSK	12	13	22.31	22.33	22.13				
5	QPSK	25	0	22.30	22.32	22.22				
5	16QAM	1	0	22.71	22.68	22.70	23.5	1		
5	16QAM	1	12	22.83	22.74	22.79				
5	16QAM	1	24	22.74	22.86	22.65				
5	16QAM	12	0	21.28	21.27	21.22				
5	16QAM	12	7	21.35	21.34	21.19	22.5	2		
5	16QAM	12	13	21.27	21.42	21.06				
5	16QAM	25	0	21.31	21.29	21.26				
5	64QAM	1	0	21.63	21.55	20.93				
5	64QAM	1	12	21.56	21.25	21.32	22.5	2		
5	64QAM	1	24	21.55	21.17	21.01				
5	64QAM	12	0	20.44	20.41	20.42				
5	64QAM	12	7	20.45	20.41	20.44				
5	64QAM	12	13	20.46	20.51	20.33	21.5	3		
5	64QAM	25	0	20.47	20.46	20.44				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5	0		
3	QPSK	1	0	23.23	23.27	23.29				
3	QPSK	1	8	23.22	23.28	23.30				
3	QPSK	1	14	23.32	23.31	23.32				
3	QPSK	8	0	22.24	22.28	22.17	23.5	1		
3	QPSK	8	4	22.27	22.37	22.18				
3	QPSK	8	7	22.24	22.30	22.17				
3	QPSK	15	0	22.26	22.23	22.25				
3	16QAM	1	0	22.57	22.57	22.56	23.5	1		
3	16QAM	1	8	22.55	22.62	22.56				
3	16QAM	1	14	22.66	22.63	22.51				
3	16QAM	8	0	21.25	21.24	21.20				
3	16QAM	8	4	21.24	21.28	21.28	22.5	2		
3	16QAM	8	7	21.27	21.26	21.27				
3	16QAM	15	0	21.33	21.36	21.09				
3	64QAM	1	0	21.28	21.58	21.40				
3	64QAM	1	8	21.31	21.32	21.24	22.5	2		
3	64QAM	1	14	21.36	21.32	21.22				
3	64QAM	8	0	20.48	20.49	20.36				
3	64QAM	8	4	20.46	20.50	20.37				
3	64QAM	8	7	20.41	20.51	20.52	21.5	3		
3	64QAM	15	0	20.43	20.50	20.38				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5	0		
1.4	QPSK	1	0	23.22	23.27	23.02				
1.4	QPSK	1	3	23.22	23.25	23.07				
1.4	QPSK	1	5	23.25	23.17	23.05				
1.4	QPSK	3	0	23.31	23.29	23.15	23.5	1		
1.4	QPSK	3	1	23.30	23.35	23.24				
1.4	QPSK	3	3	23.29	23.31	23.15				
1.4	QPSK	6	0	22.30	22.27	22.25				
1.4	16QAM	1	0	22.41	22.22	22.03	23.5	1		
1.4	16QAM	1	3	22.42	22.27	22.02				
1.4	16QAM	1	5	22.42	22.23	22.05				
1.4	16QAM	3	0	22.42	22.33	22.27				
1.4	16QAM	3	1	22.37	22.35	22.35	22.5	2		
1.4	16QAM	3	3	22.31	22.32	22.23				
1.4	16QAM	6	0	21.27	21.21	21.22				
1.4	64QAM	1	0	21.56	21.67	21.45				
1.4	64QAM	1	3	21.50	21.64	21.48	22.5	2		
1.4	64QAM	1	5	21.53	21.55	21.20				
1.4	64QAM	3	0	21.49	21.50	21.22				
1.4	64QAM	3	1	21.48	21.52	21.23				
1.4	64QAM	3	3	21.46	21.54	21.27	21.5	3		
1.4	64QAM	6	0	20.48	20.45	20.31				

Band 17_Ant 13										
BW [MHz]	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	22.64	22.84	22.84				
10	QPSK	1	25	22.91	22.93	22.91				
10	QPSK	1	49	22.69	22.87	22.87	23.5	0.5		
10	QPSK	25	0	22.09	22.29	22.25				
10	QPSK	25	12	22.39	22.40	22.33				
10	QPSK	25	25	22.23	22.28	22.19				
10	QPSK	50	0	22.17	22.37	22.29	23.5	0.5		
10	16QAM	1	0	22.25	22.52	22.51				
10	16QAM	1	25	22.41	22.59	22.50				
10	16QAM	1	49	22.33	22.46	22.42				
10	16QAM	25	0	21.08	21.15	21.16	22.5	1.5		
10	16QAM	25	12	21.13	21.37	21.30				
10	16QAM	25	25	21.22	21.27	21.12				
10	16QAM	50	0	21.16	21.29	21.19				
10	64QAM	1	0	21.24	21.38	21.65	22.5	1.5		
10	64QAM	1	25	21.22	21.67	21.69				
10	64QAM	1	49	21.20	21.64	21.59				
10	64QAM	25	0	20.25	20.40	20.35				
10	64QAM	25	12	20.30	20.53	20.55	21.5	2.5		
10	64QAM	25	25	20.36	20.44	20.32				
10	64QAM	50	0	20.27	20.43	20.37				
Channel				23765	23790	23805	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5	24	0		
5	QPSK	1	0	22.45	22.80	22.85				
5	QPSK	1	12	22.84	22.75	22.85				
5	QPSK	1	24	22.49	22.91	22.82				
5	QPSK	12	0	21.99	22.25	22.22	23.5	0.5		
5	QPSK	12	7	22.41	22.39	22.09				
5	QPSK	12	13	22.20	22.29	22.02				
5	QPSK	25	0	22.00	22.42	22.05				
5	16QAM	1	0	22.13	22.45	22.54	23.5	0.5		
5	16QAM	1	12	22.45	22.63	22.32				
5	16QAM	1	24	22.23	22.46	22.46				
5	16QAM	12	0	20.95	21.21	20.89				
5	16QAM	12	7	21.07	21.38	21.23	22.5	1.5		
5	16QAM	12	13	21.17	21.23	21.16				
5	16QAM	25	0	21.00	21.18	21.19				
5	64QAM	1	0	21.00	21.31	21.48				
5	64QAM	1	12	21.00	21.34	21.42	22.5	1.5		
5	64QAM	1	24	21.11	21.42	21.34				
5	64QAM	12	0	20.14	20.35	20.15				
5	64QAM	12	7	20.21	20.57	20.48				
5	64QAM	12	13	20.14	20.48	20.17	21.5	2.5		
5	64QAM	25	0	20.13	20.44	20.28				

Band 38_Ant 13									
BW (MHz)	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	16.4	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.57	15.61	15.46			
20	QPSK	1	49	15.78	15.74	15.49			
20	QPSK	1	99	15.70	15.63	15.39	16.4	0	
20	QPSK	50	0	15.70	15.69	15.43			
20	QPSK	50	24	15.75	15.72	15.46			
20	QPSK	50	50	15.70	15.63	15.43			
20	QPSK	100	0	15.75	15.65	15.45	16.4	0	
20	16QAM	1	0	15.64	15.62	15.59			
20	16QAM	1	49	15.61	15.60	15.58			
20	16QAM	1	99	15.76	15.64	15.39			
20	16QAM	50	0	15.71	15.68	15.62	16.4	0	
20	16QAM	50	24	15.76	15.71	15.53			
20	16QAM	50	50	15.73	15.63	15.47			
20	16QAM	100	0	15.72	15.68	15.45			
20	64QAM	1	0	15.33	15.38	15.28	16.4	0	
20	64QAM	1	49	15.43	15.52	15.25			
20	64QAM	1	99	15.45	15.31	15.17			
20	64QAM	50	0	15.69	15.67	15.61			
20	64QAM	50	24	15.74	15.70	15.48	16.4	0	
20	64QAM	50	50	15.71	15.62	15.46			
20	64QAM	100	0	15.71	15.66	15.40			
Channel				37850	38000	38150	16.4	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.49	15.40	15.49		16.4	
15	QPSK	1	37	15.52	15.49	15.27			
15	QPSK	1	74	15.75	15.46	15.31			
15	QPSK	36	0	15.48	15.58	15.30	16.4	0	
15	QPSK	36	20	15.69	15.63	15.46			
15	QPSK	36	39	15.42	15.46	15.41			
15	QPSK	75	0	15.73	15.54	15.47			
15	16QAM	1	0	15.42	15.43	15.34	16.4	0	
15	16QAM	1	37	15.67	15.55	15.49			
15	16QAM	1	74	15.72	15.53	15.12			
15	16QAM	36	0	15.47	15.54	15.56			
15	16QAM	36	20	15.69	15.60	15.41	16.4	0	
15	16QAM	36	39	15.71	15.45	15.40			
15	16QAM	75	0	15.77	15.45	15.33			
15	64QAM	1	0	15.23	15.27	15.04			
15	64QAM	1	37	15.46	15.43	15.27	16.4	0	
15	64QAM	1	74	15.52	15.32	15.25			
15	64QAM	36	0	15.48	15.42	15.54			
15	64QAM	36	20	15.47	15.72	15.47			
15	64QAM	36	39	15.67	15.43	15.32	16.4	0	
15	64QAM	75	0	15.54	15.43	15.21			
Channel				37800	38000	38200	16.4	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.33	15.41	15.39		16.4	
10	QPSK	1	25	15.64	15.72	15.24			
10	QPSK	1	49	15.65	15.42	15.27			
10	QPSK	25	0	15.77	15.63	15.40	16.4	0	
10	QPSK	25	12	15.73	15.51	15.50			
10	QPSK	25	25	15.51	15.66	15.49			
10	QPSK	50	0	15.66	15.41	15.44			
10	16QAM	1	0	15.44	15.43	15.31	16.4	0	
10	16QAM	1	25	15.42	15.41	15.44			
10	16QAM	1	49	15.73	15.53	15.42			
10	16QAM	25	0	15.68	15.70	15.56			
10	16QAM	25	12	15.69	15.54	15.37	16.4	0	
10	16QAM	25	25	15.63	15.49	15.49			
10	16QAM	50	0	15.49	15.50	15.22			
10	64QAM	1	0	15.25	15.21	15.25			
10	64QAM	1	25	15.43	15.58	14.99	16.4	0	
10	64QAM	1	49	15.51	15.18	15.21			
10	64QAM	25	0	15.73	15.67	15.42			
10	64QAM	25	12	15.65	15.74	15.42			
10	64QAM	25	25	15.61	15.54	15.31	16.4	0	
10	64QAM	50	0	15.65	15.67	15.28			
Channel				37775	38000	38225	16.4	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.52	15.55	15.44		16.4	
5	QPSK	1	12	15.69	15.73	15.48			
5	QPSK	1	24	15.52	15.56	15.39			
5	QPSK	12	0	15.71	15.60	15.20	16.4	0	
5	QPSK	12	7	15.75	15.47	15.32			
5	QPSK	12	13	15.48	15.42	15.41			
5	QPSK	25	0	15.60	15.68	15.31			
5	16QAM	1	0	15.39	15.66	15.38	16.4	0	
5	16QAM	1	12	15.68	15.49	15.64			
5	16QAM	1	24	15.73	15.49	15.47			
5	16QAM	12	0	15.60	15.58	15.65			
5	16QAM	12	7	15.69	15.76	15.28	16.4	0	
5	16QAM	12	13	15.62	15.55	15.19			
5	16QAM	25	0	15.67	15.70	15.19			
5	64QAM	1	0	15.16	15.18	15.18			
5	64QAM	1	12	15.38	15.44	15.08	16.4	0	
5	64QAM	1	24	15.35	15.35	15.21			
5	64QAM	12	0	15.59	15.69	15.54			
5	64QAM	12	7	15.47	15.76	15.39			
5	64QAM	12	13	15.64	15.57	15.47	16.4	0	
5	64QAM	25	0	15.67	15.58	15.30			

Band 38_Ant 31									
BW (MHz)	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	23.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.54	22.54	22.45			
20	QPSK	1	49	22.78	22.72	22.64			
20	QPSK	1	99	22.57	22.64	22.63	22.8	1	
20	QPSK	50	0	21.74	21.74	21.70			
20	QPSK	50	24	21.85	21.84	21.79			
20	QPSK	50	50	21.72	21.77	21.78			
20	QPSK	100	0	21.82	21.74	21.72	22.8	1	
20	16QAM	1	0	21.80	21.75	21.77			
20	16QAM	1	49	22.03	21.99	21.92			
20	16QAM	1	99	21.82	21.90	21.83			
20	16QAM	50	0	20.75	20.77	20.75	21.8	2	
20	16QAM	50	24	20.81	20.85	20.78			
20	16QAM	50	50	20.80	20.81	20.76			
20	16QAM	100	0	20.74	20.77	20.74			
20	64QAM	1	0	20.63	20.65	20.58	21.8	2	
20	64QAM	1	49	20.80	20.83	20.78			
20	64QAM	1	99	20.63	20.74	20.65			
20	64QAM	50	0	19.69	19.71	19.68			
20	64QAM	50	24	19.73	19.77	19.74	20.8	3	
20	64QAM	50	50	19.71	19.74	19.73			
20	64QAM	100	0	19.70	19.73	19.73			
Channel				37825	38000	38175	23.8	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.64	22.66	22.64			
15	QPSK	1	37	22.73	22.76	22.77			
15	QPSK	1	74	22.75	22.68	22.69	22.8	1	
15	QPSK	36	0	21.72	21.71	21.69			
15	QPSK	36	20	21.74	21.74	21.68			
15	QPSK	36	39	21.71	21.70	21.70			
15	QPSK	75	0	21.74	21.68	21.73	22.8	1	
15	16QAM	1	0	21.81	21.81	21.75			
15	16QAM	1	37	21.89	21.89	21.89			
15	16QAM	1	74	21.93	21.82	21.84			
15	16QAM	36	0	20.70	20.69	20.65	21.8	2	
15	16QAM	36	20	20.69	20.72	20.66			
15	16QAM	36	39	20.73	20.69	20.69			
15	16QAM	75	0	20.74	20.74	20.71			
15	64QAM	1	0	20.67	20.67	20.59	21.8	2	
15	64QAM	1	37	20.77	20.80	20.83			
15	64QAM	1	74	20.76	20.69	20.71			
15	64QAM	36	0	19.69	19.69	19.67			
15	64QAM	36	20	19.68	19.72	19.70	20.8	3	
15	64QAM	36	39	19.70	19.71	19.69			
15	64QAM	75	0	19.70	19.67	19.67			
Channel				37800	38000	38200	23.8	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.61	22.65	22.59			
10	QPSK	1	25	22.71	22.72	22.67			
10	QPSK	1	49	22.69	22.64	22.63	22.8	1	
10	QPSK	25	0	21.75	21.78	21.75			
10	QPSK	25	12	21.71	21.76	21.73			
10	QPSK	25	25	21.72	21.70	21.79			
10	QPSK	50	0	21.75	21.73	21.78	22.8	1	
10	16QAM	1	0	21.84	21.90	21.84			
10	16QAM	1	25	21.90	21.89	21.91			
10	16QAM	1	49	21.87	21.85	21.98			
10	16QAM	25	0	20.76	20.76	20.76	21.8	2	
10	16QAM	25	12	20.79	20.74	20.76			
10	16QAM	25	25	20.75	20.74	20.80			
10	16QAM	50	0	20.76	20.78	20.79			
10	64QAM	1	0	20.73	20.71	20.67	21.8	2	
10	64QAM	1	25	20.74	20.74	20.74			
10	64QAM	1	49	20.69	20.71	20.72			
10	64QAM	25	0	19.78	19.82	19.77			
10	64QAM	25	12	19.77	19.77	19.81	20.8	3	
10	64QAM	25	25	19.74	19.77	19.83			
10	64QAM	50	0	19.71	19.70	19.70			
Channel				37775	38000	38225	23.8	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.66	22.62	22.62			
5	QPSK	1	12	22.71	22.66	22.66			
5	QPSK	1	24	22.67	22.67	22.68	22.8	1	
5	QPSK	12	0	21.78	21.78	21.75			
5	QPSK	12	7	21.73	21.69	21.80			
5	QPSK	12	13	21.70	21.75	21.72			
5	QPSK	25	0	21.77	21.76	21.76	22.8	1	
5	16QAM	1	0	21.86	21.86	21.86			
5	16QAM	1	12	21.91	21.89	21.91			
5	16QAM	1	24	21.88	21.88	21.87			
5	16QAM	12	0	20.76	20.76	20.76	21.8	2	
5	16QAM	12	7	20.75	20.68	20.77			
5	16QAM	12	13	20.70	20.74	20.71			
5	16QAM	25	0	20.78	20.81	20.80			
5	64QAM	1	0	20.73	20.77	20.73	21.8	2	
5	64QAM	1	12	20.77	20.70	20.74			
5	64QAM	1	24	20.76	20.70	20.75			
5	64QAM	12	0	19.75	19.81	19.82			
5	64QAM	12	7	19.73	19.70	19.78	20.8	3	
5	64QAM	12	13	19.75	19.73	19.73			
5	64QAM	25	0	19.75	19.81	19.81			

Band 41_Ant 13												
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	15.37	15.49	15.55	15.30	15.17	16.4	0		
20	QPSK	1	49	15.55	15.74	15.79	15.50	15.39				
20	QPSK	1	99	15.52	15.60	15.67	15.29	15.24				
20	QPSK	50	0	15.47	15.64	15.70	15.42	15.29	16.4	0		
20	QPSK	50	24	15.54	15.71	15.77	15.47	15.36				
20	QPSK	50	50	15.52	15.69	15.71	15.45	15.30				
20	QPSK	100	0	15.53	15.66	15.76	15.41	15.29	16.4	0		
20	16QAM	1	0	15.44	15.56	15.66	15.38	15.24				
20	16QAM	1	49	15.65	15.70	15.74	15.50	15.42				
20	16QAM	1	99	15.61	15.66	15.65	15.37	15.27	16.4	0		
20	16QAM	50	0	15.49	15.66	15.71	15.41	15.37				
20	16QAM	50	24	15.60	15.70	15.75	15.52	15.39				
20	16QAM	50	50	15.60	15.75	15.71	15.47	15.29	16.4	0		
20	16QAM	100	0	15.56	15.64	15.69	15.49	15.32				
20	64QAM	1	0	15.12	15.25	15.37	15.05	14.90				
20	64QAM	1	49	15.26	15.41	15.51	15.29	15.12	16.4	0		
20	64QAM	1	99	15.26	15.39	15.43	15.03	14.96				
20	64QAM	50	0	15.46	15.61	15.69	15.39	15.29				
20	64QAM	50	24	15.57	15.68	15.72	15.41	15.36	16.4	0		
20	64QAM	50	50	15.60	15.64	15.69	15.44	15.24				
20	64QAM	100	0	15.50	15.64	15.74	15.45	15.30				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	15.28	15.26	15.30	15.36	14.99	16.4	0		
15	QPSK	1	37	15.55	15.53	15.63	15.47	15.34				
15	QPSK	1	74	15.36	15.43	15.40	15.34	15.29				
15	QPSK	36	0	15.49	15.68	15.65	15.21	15.08	16.4	0		
15	QPSK	36	20	15.37	15.57	15.67	15.38	15.21				
15	QPSK	36	39	15.35	15.47	15.47	15.19	15.06				
15	QPSK	75	0	15.46	15.69	15.69	15.44	15.18	16.4	0		
15	16QAM	1	0	15.31	15.64	15.62	15.46	15.23				
15	16QAM	1	37	15.73	15.55	15.72	15.22	15.23				
15	16QAM	1	74	15.38	15.55	15.66	15.17	15.06	16.4	0		
15	16QAM	36	0	15.55	15.42	15.72	15.22	15.29				
15	16QAM	36	20	15.50	15.46	15.73	15.54	15.24				
15	16QAM	36	39	15.65	15.73	15.54	15.24	15.04	16.4	0		
15	16QAM	75	0	15.28	15.72	15.53	15.45	15.36				
15	64QAM	1	0	14.93	15.15	15.10	15.00	14.71				
15	64QAM	1	37	15.10	15.23	15.50	15.21	15.16	16.4	0		
15	64QAM	1	74	15.00	15.47	15.43	15.11	14.83				
15	64QAM	36	0	15.45	15.48	15.42	15.25	15.28				
15	64QAM	36	20	15.63	15.59	15.44	15.27	15.35	16.4	0		
15	64QAM	36	39	15.44	15.70	15.64	15.36	15.08				
15	64QAM	75	0	15.40	15.47	15.71	15.17	15.27				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	15.10	15.38	15.62	15.38	14.89	16.4	0		
10	QPSK	1	25	15.54	15.56	15.70	15.47	15.18				
10	QPSK	1	49	15.45	15.46	15.72	15.04	15.28				
10	QPSK	25	0	15.27	15.63	15.50	15.14	15.26	16.4	0		
10	QPSK	25	12	15.57	15.50	15.65	15.22	15.10				
10	QPSK	25	25	15.46	15.65	15.50	15.23	15.28				
10	QPSK	50	0	15.38	15.63	15.59	15.22	15.20	16.4	0		
10	16QAM	1	0	15.17	15.52	15.61	15.41	14.97				
10	16QAM	1	25	15.68	15.69	15.76	15.40	15.30				
10	16QAM	1	49	15.34	15.42	15.71	15.15	15.03	16.4	0		
10	16QAM	25	0	15.56	15.69	15.78	15.25	15.35				
10	16QAM	25	12	15.67	15.62	15.59	15.55	15.41				
10	16QAM	25	25	15.67	15.60	15.76	15.48	15.35	16.4	0		
10	16QAM	50	0	15.29	15.56	15.48	15.40	15.07				
10	64QAM	1	0	14.96	15.07	15.09	14.77	14.87				
10	64QAM	1	25	15.13	15.31	15.55	15.21	15.04	16.4	0		
10	64QAM	1	49	15.32	15.45	15.22	14.93	14.97				
10	64QAM	25	0	15.47	15.66	15.63	15.14	15.21				
10	64QAM	25	12	15.31	15.44	15.66	15.24	15.34	16.4	0		
10	64QAM	25	25	15.51	15.62	15.54	15.18	15.26				
10	64QAM	50	0	15.39	15.59	15.60	15.26	15.30				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2697.5				
5	QPSK	1	0	15.30	15.42	15.42	15.19	15.13	16.4	0		
5	QPSK	1	12	15.38	15.66	15.62	15.27	15.13				
5	QPSK	1	24	15.59	15.48	15.51	15.04	15.11				
5	QPSK	12	0	15.32	15.48	15.71	15.42	15.05	16.4	0		
5	QPSK	12	7	15.35	15.70	15.78	15.39	15.35				
5	QPSK	12	13	15.53	15.76	15.57	15.48	15.14				
5	QPSK	25	0	15.39	15.46	15.64	15.35	15.30	16.4	0		
5	16QAM	1	0	15.37	15.39	15.71	15.32	15.17				
5	16QAM	1	12	15.73	15.47	15.49	15.27	15.27				
5	16QAM	1	24	15.45	15.49	15.60	15.26	15.11	16.4	0		
5	16QAM	12	0	15.51	15.45	15.51	15.49	15.45				
5	16QAM	12	7	15.58	15.63	15.66	15.39	15.35				
5	16QAM	12	13	15.46	15.75	15.52	15.27	15.33	16.4	0		
5	16QAM	25	0	15.61	15.42	15.67	15.49	15.39				
5	64QAM	1	0	15.02	15.10	15.16	14.83	14.72				
5	64QAM	1	12	15.12	15.26	15.29	15.24	15.12	16.4	0		
5	64QAM	1	24	15.23	15.20	15.25	15.10	14.97				
5	64QAM	12	0	15.25	15.41	15.44	15.16	15.16				
5	64QAM	12	7	15.53	15.49	15.73	15.22	15.28	16.4	0		
5	64QAM	12	13	15.61	15.46	15.57	15.23	15.22				
5	64QAM	25	0	15.34	15.44	15.50	15.42	15.09				

Band 41_Ant 31																
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	22.40	22.25	22.35	22.54	22.65	23.8	0						
20	QPSK	1	49	22.46	22.51	22.82	22.71	22.78								
20	QPSK	1	99	22.39	22.28	22.60	22.64	22.59								
20	QPSK	50	0	21.46	21.63	21.73	21.77	21.78								
20	QPSK	50	24	21.67	21.85	21.83	21.80	21.81								
20	QPSK	50	50	21.63	21.62	21.74	21.78	21.77	22.8	1						
20	QPSK	100	0	21.53	21.62	21.79	21.74	21.76								
20	16QAM	1	1	21.52	21.59	21.64	21.71	21.85								
20	16QAM	1	49	21.72	21.81	22.01	21.94	22.07								
20	16QAM	1	99	21.59	21.72	21.84	21.86	21.89								
20	16QAM	50	0	20.46	20.57	20.76	20.79	20.81	21.8	2						
20	16QAM	50	24	20.58	20.63	20.81	20.85	20.93								
20	16QAM	50	50	20.63	20.64	20.81	20.82	20.86								
20	16QAM	100	0	20.57	20.59	20.76	20.78	20.80								
20	64QAM	1	0	20.38	20.44	20.59	20.65	20.71								
20	64QAM	1	49	20.60	20.72	20.80	20.77	20.86	21.8	2						
20	64QAM	1	99	20.46	20.56	20.66	20.72	20.75								
20	64QAM	50	0	19.40	19.56	19.73	19.71	19.76								
20	64QAM	50	24	19.53	19.58	19.76	19.80	19.84								
20	64QAM	50	50	19.57	19.59	19.74	19.75	19.79								
20	64QAM	100	0	19.52	19.59	19.74	19.71	19.79	20.8	3						
Channel				39725	40173	40620	41068	41515								
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5								
15	QPSK	1	0	22.47	22.58	22.66	22.62	22.61					23.8	0		
15	QPSK	1	37	22.59	22.75	22.81	22.79	22.65								
15	QPSK	1	74	22.53	22.66	22.69	22.65	22.64								
15	QPSK	36	0	21.45	21.62	21.69	21.68	21.70								
15	QPSK	36	20	21.55	21.64	21.69	21.73	21.70								
15	QPSK	36	39	21.54	21.65	21.72	21.69	21.68	22.8	1						
15	QPSK	75	0	21.55	21.64	21.73	21.76	21.73								
15	16QAM	1	0	21.62	21.76	21.83	21.76	21.74								
15	16QAM	1	37	21.79	21.90	21.90	21.90	21.83								
15	16QAM	1	74	21.68	21.80	21.85	21.82	21.75								
15	16QAM	36	0	20.45	20.63	20.69	20.67	20.64	21.8	2						
15	16QAM	36	20	20.55	20.62	20.73	20.75	20.64								
15	16QAM	36	39	20.55	20.60	20.71	20.73	20.65								
15	16QAM	75	0	20.53	20.61	20.74	20.75	20.65								
15	64QAM	1	0	20.47	20.55	20.65	20.63	20.59								
15	64QAM	1	37	20.64	20.70	20.79	20.72	20.68	21.8	2						
15	64QAM	1	74	20.55	20.65	20.67	20.70	20.57								
15	64QAM	36	0	19.43	19.60	19.70	19.65	19.69								
15	64QAM	36	20	19.52	19.62	19.68	19.72	19.64								
15	64QAM	36	39	19.54	19.62	19.68	19.67	19.66								
15	64QAM	75	0	19.53	19.62	19.70	19.71	19.65	20.8	3						
Channel				39700	40160	40620	41080	41540								
Frequency (MHz)				2501	2547	2593	2639	2685								
10	QPSK	1	0	22.42	22.54	22.66	22.60	22.58					23.8	0		
10	QPSK	1	25	22.54	22.60	22.72	22.64	22.62								
10	QPSK	1	49	22.48	22.50	22.59	22.61	22.56								
10	QPSK	25	0	21.53	21.68	21.73	21.76	21.76								
10	QPSK	25	12	21.53	21.62	21.74	21.84	21.73								
10	QPSK	25	25	21.56	21.65	21.74	21.75	21.77	22.8	1						
10	QPSK	50	0	21.53	21.64	21.75	21.79	21.73								
10	16QAM	1	0	21.75	21.78	21.89	21.87	21.83								
10	16QAM	1	25	21.76	21.83	21.93	21.92	21.85								
10	16QAM	1	49	21.69	21.91	21.97	21.86	21.84								
10	16QAM	25	0	20.56	20.56	20.76	20.76	20.75	21.8	2						
10	16QAM	25	12	20.60	20.69	20.79	20.78	20.74								
10	16QAM	25	25	20.60	20.66	20.78	20.78	20.75								
10	16QAM	50	0	20.58	20.68	20.79	20.78	20.73								
10	64QAM	1	0	20.50	20.61	20.74	20.71	20.68								
10	64QAM	1	25	20.55	20.68	20.81	20.77	20.71	21.8	2						
10	64QAM	1	49	20.55	20.62	20.71	20.71	20.65								
10	64QAM	25	0	19.56	19.72	19.78	19.85	19.76								
10	64QAM	25	12	19.60	19.70	19.77	19.79	19.80								
10	64QAM	25	25	19.58	19.67	19.76	19.77	19.75								
10	64QAM	50	0	19.49	19.64	19.71	19.77	19.65	20.8	3						
Channel				39675	40148	40620	41093	41565								
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5								
5	QPSK	1	0	22.47	22.57	22.66	22.63	22.62					23.8	0		
5	QPSK	1	12	22.57	22.66	22.72	22.65	22.65								
5	QPSK	1	24	22.51	22.64	22.67	22.68	22.65								
5	QPSK	12	0	21.55	21.68	21.76	21.72	21.72								
5	QPSK	12	7	21.56	21.64	21.76	21.72	21.77								
5	QPSK	12	13	21.57	21.69	21.67	21.70	21.70	22.8	1						
5	QPSK	25	0	21.57	21.81	21.74	21.74	21.71								
5	16QAM	1	0	21.84	21.76	21.91	21.84	21.93								
5	16QAM	1	12	21.87	21.84	21.85	21.83	21.82								
5	16QAM	1	24	21.73	21.81	21.89	21.88	21.84								
5	16QAM	12	0	20.54	20.69	20.75	20.75	20.73	21.8	2						
5	16QAM	12	7	20.56	20.68	20.72	20.77	20.76								
5	16QAM	12	13	20.55	20.62	20.72	20.74	20.69								
5	16QAM	25	0	20.62	20.73	20.76	20.77	20.76								
5	64QAM	1	0	20.58	20.70	20.76	20.79	20.76								
5	64QAM	1	12	20.64	20.66	20.87	20.80	20.73	21.8	2						
5	64QAM	1	24	20.64	20.70	20.76	20.79	20.75								
5	64QAM	12	0	19.53	19.68	19.74	19.77	19.76								
5	64QAM	12	7	19.52	19.67	19.74	19.74	19.74								
5	64QAM	12	13	19.53	19.65	19.72	19.73	19.65								
5	64QAM	25	0	19.59	19.72	19.80	19.77	19.76	20.8	3						

Reduced Power Mode for DSI3

GSM850_Ant 13				Burst Average Power (dBm)				Tune-up Limit (dBm)				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				128	189	251		128	189	251		128	189	251		128	189	251	
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				27.07	28.15	28.10		29.00	18.97	19.15		19.10	20.00			20.00			
GPRS 1 Tx slot				27.95	28.14	28.08		29.00	18.95	19.14		19.36	20.00			20.00			
GPRS 2 Tx slot				24.57	24.56	24.69		25.00	18.57	18.56		18.69	19.00			19.00			
GPRS 3 Tx slot				22.51	22.53	22.66		23.00	18.25	18.27		18.40	18.74			18.74			
GPRS 4 Tx slot				22.00	22.03	22.12		22.50	19.00	19.03		19.12	19.50			19.50			
EDGE(GMSK 1 Tx slot)				27.89	27.95	28.07		29.00	18.89	18.95		19.07	20.00			20.00			
EDGE(GMSK 2 Tx slot)				24.48	24.47	24.65		25.00	18.48	18.47		18.85	19.00			19.00			
EDGE(GMSK 3 Tx slot)				22.43	22.42	22.62		23.00	18.17	18.16		18.36	18.74			18.74			
EDGE(GMSK 4 Tx slot)				21.91	21.94	22.09		22.50	18.91	18.94		19.39	19.50			19.50			
EDGE 1 Tx slot				26.81	26.76	26.73		27.50	17.81	17.76		17.73	18.50			18.50			
EDGE 2 Tx slot				24.27	24.31	24.17		25.00	18.27	18.31		18.17	19.00			19.00			
EDGE 3 Tx slot				22.12	22.07	21.93		23.00	17.86	17.81		17.67	18.74			18.74			
EDGE 4 Tx slot				20.87	20.91	20.65		22.00	17.87	17.91		17.65	19.00			19.00			

GSM1900_Ant 13				Burst Average Power (dBm)				Tune-up Limit (dBm)				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				512	661	810		512	661	810		512	661	810		512	661	810	
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				23.16	23.29	23.07		24.50	14.16	14.29		14.07	15.50			15.50			
GPRS 1 Tx slot				23.14	23.28	23.05		24.50	14.14	14.28		14.05	15.50			15.50			
GPRS 2 Tx slot				20.09	20.24	20.01		21.00	14.08	14.24		14.01	15.50			15.50			
GPRS 3 Tx slot				18.54	18.74	18.51		19.50	14.28	14.48		14.25	15.24			15.24			
GPRS 4 Tx slot				17.55	17.74	17.47		18.50	14.55	14.74		14.47	15.50			15.50			
EDGE(GMSK 1 Tx slot)				23.21	23.26	23.07		24.50	14.21	14.26		14.07	15.50			15.50			
EDGE(GMSK 2 Tx slot)				20.13	20.24	20.02		21.00	14.13	14.24		14.02	15.00			15.00			
EDGE(GMSK 3 Tx slot)				18.63	18.74	18.48		19.50	14.37	14.48		14.22	15.24			15.24			
EDGE(GMSK 4 Tx slot)				17.64	17.71	17.45		18.50	14.64	14.71		14.45	15.50			15.50			
EDGE 1 Tx slot				24.43	24.37	24.38		24.50	15.43	15.37		15.38	15.50			15.50			
EDGE 2 Tx slot				20.65	20.67	20.73		21.00	14.65	14.67		14.73	15.00			15.00			
EDGE 3 Tx slot				18.91	18.92	18.77		19.50	14.65	14.66		14.51	15.24			15.24			
EDGE 4 Tx slot				17.61	17.63	17.59		18.50	14.61	14.63		14.59	15.50			15.50			

Band				WCDMA I_Ant 13				WCDMA I_Ant 31				Tune-up Limit (dBm)			
TX Channel				9262	9400	9538		9262	9400	9538		9262	9400	9538	
Rx Channel				9662	9800	9938		9662	9800	9938		9662	9800	9938	
Frequency (MHz)				1852.4	1880	1907.6		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2Kbps				13.53	13.55	13.47		14.80	23.23	23.25		23.18	24.20		
3GPP Rel 99 RMC 12.2Kbps				13.56	13.56	13.50		14.80	23.26	23.27		23.20	24.20		
3GPP Rel 6 HSDPA Subtest-1				12.85	12.80	12.44		13.80	22.29	22.29		22.21	23.20		
3GPP Rel 6 HSDPA Subtest-2				12.85	12.81	12.41		13.80	22.25	22.29		22.19	23.20		
3GPP Rel 6 HSDPA Subtest-3				12.24	12.21	12.06		13.30	21.82	21.84		21.73	22.70		
3GPP Rel 6 HSDPA Subtest-4				12.20	12.16	11.97		13.30	21.75	21.78		21.69	22.70		
3GPP Rel 6 HSUPA Subtest-1				11.66	11.52	11.34		11.80	20.99	20.91		20.93	21.20		
3GPP Rel 6 HSUPA Subtest-2				11.77	11.55	11.30		11.80	20.98	20.93		20.93	21.20		
3GPP Rel 6 HSUPA Subtest-3				12.59	12.49	12.63		12.80	22.96	21.94		21.97	22.20		
3GPP Rel 6 HSUPA Subtest-4				11.15	11.14	11.01		11.30	20.57	20.47		20.51	21.20		
3GPP Rel 6 HSUPA Subtest-5				12.70	12.70	12.50		12.80	22.00	21.90		21.80	22.20		
3GPP Rel 7 HSPA+ (16QAM) Subtest-1				11.60	11.18	11.35		11.80	20.85	20.62		20.81	21.20		

Band				WCDMA V_Ant 13				WCDMA V_Ant 41				Tune-up Limit (dBm)			
TX Channel				4132	4182	4233		4132	4182	4233		4132	4182	4233	
Rx Channel				4357	4407	4455		4357	4407	4455		4357	4407	4455	
Frequency (MHz)				826.4	836.4	846.6		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps				18.80	18.91	18.84		20.00	23.02	23.07		22.96	24.00		
3GPP Rel 99 RMC 12.2Kbps				18.83	18.93	18.86		20.00	23.04	23.09		22.99	24.00		
3GPP Rel 6 HSDPA Subtest-1				18.08	18.07	18.02		19.00	22.00	22.10		21.89	23.00		
3GPP Rel 6 HSDPA Subtest-2				17.82	18.09	17.99		19.00	22.02	22.05		21.98	23.00		
3GPP Rel 6 HSDPA Subtest-3				17.80	17.63	17.53		18.50	21.54	21.61		21.53	22.50		
3GPP Rel 6 HSDPA Subtest-4				17.55	17.57	17.48		18.50	21.53	21.57		21.48	22.50		
3GPP Rel 6 HSUPA Subtest-1				16.76	16.80	16.63		17.00	20.77	20.84		20.77	21.00		
3GPP Rel 6 HSUPA Subtest-2				16.79	16.75	16.89		17.00	20.74	20.84		20.76	21.00		
3GPP Rel 6 HSUPA Subtest-3				17.54	17.66	17.89		18.00	21.81	21.69		21.80	22.00		
3GPP Rel 6 HSUPA Subtest-4				16.29	16.39	16.19		16.50	20.31	20.38		20.28	20.50		
3GPP Rel 6 HSUPA Subtest-5				17.50	17.70	17.60		18.00	21.70	21.80		21.80	22.00		
3GPP Rel 7 HSPA+ (16QAM) Subtest-1				16.39	16.59	16.71		17.00	20.63	20.70		20.85	21.00		

GSM850_Ant 41				Burst Average Power (dBm)			Tune-up Limit (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)		
TX Channel				128	189	251		128	189	251		128	189	251	
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot				32.35	32.26	32.35		33.50	23.35	23.26		23.35	23.35	24.50	
GPRS 1 Tx slot				32.35	32.23	32.32		33.50	23.35	23.23		23.32	24.50		24.50
GPRS 2 Tx slots				30.59	30.84	30.82		31.50	24.59	24.64		24.62	25.50		25.50
GPRS 3 Tx slots				28.64	28.70	28.66		29.50	24.38	24.44		24.40	25.24		25.24
GPRS 4 Tx slots				27.14	27.24	27.18		28.00	24.14	24.24		24.18	25.00		25.00
EDGE(GMSK 1 Tx slot)				32.24	32.18	32.16		33.50	23.24	23.18		23.16	24.50		24.50
EDGE(GMSK 2 Tx slots)				30.57	30.53	30.56		31.50	24.57	24.53		24.56	25.50		25.50
EDGE(GMSK 3 Tx slots)				28.58	28.62	28.61		29.50	24.32	24.36		24.35	25.24		25.24
EDGE 1 Tx slot				27.07	27.19	27.15		28.00	24.07	24.19		24.13	24.96		24.96
EDGE 2 Tx slots				26.85	26.84	26.81		27.50	17.85	17.84		17.81	18.50		18.50
EDGE 3 Tx slots				24.57	24.75	24.62		25.50	15.57	15.75		15.62	16.50		16.50
EDGE 4 Tx slots				22.48	22.54	22.31		23.50	16.22	16.28		16.05	16.924		16.924
EDGE 5 Tx slots				20.97	20.99	20.76		22.00	17.97	17.99		17.76	18.00		18.00

Band 2_Ant 13											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				18700	18900	19100					
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	13.12	13.08	13.01	14.5	0			
20	QPSK	1	49	13.14	13.46	13.14					
20	QPSK	1	99	13.03	12.99	13.05					
20	QPSK	50	0	13.16	13.20	13.19	14.5	0			
20	QPSK	50	24	13.21	13.23	13.22					
20	QPSK	50	50	13.14	13.13	13.09					
20	QPSK	100	0	13.12	13.23	13.21	14.5	0			
20	16QAM	1	0	13.42	13.21	13.13					
20	16QAM	1	49	13.43	13.21	13.37					
20	16QAM	1	99	13.40	13.02	13.24	14.5	0			
20	16QAM	50	0	13.21	13.14	13.16					
20	16QAM	50	24	13.23	13.16	13.16					
20	16QAM	50	50	13.07	13.09	13.16	14.5	0			
20	16QAM	100	0	13.14	13.13	13.16					
20	84QAM	1	0	13.41	13.15	13.39	14.5	0			
20	84QAM	1	49	13.26	13.29	13.40					
20	84QAM	1	99	13.33	13.06	13.45					
20	84QAM	50	0	13.15	13.18	13.23	14.5	0			
20	84QAM	50	24	13.22	13.17	13.23					
20	84QAM	50	50	13.12	13.14	13.19					
20	84QAM	100	0	13.14	13.13	13.16	14.5	0			
Channel				18675	18900	19125		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	13.09	12.86	12.98	14.5	0			
15	QPSK	1	37	13.15	13.44	13.11					
15	QPSK	1	74	12.99	12.75	12.99					
15	QPSK	36	0	12.92	13.00	13.21	14.5	0			
15	QPSK	36	20	13.18	13.18	13.28					
15	QPSK	36	39	13.18	12.84	13.14					
15	QPSK	75	0	13.17	13.13	13.17	14.5	0			
15	16QAM	1	0	13.21	13.03	13.16					
15	16QAM	1	37	13.33	13.28	13.37					
15	16QAM	1	74	13.37	12.87	13.03	14.5	0			
15	16QAM	36	0	13.02	12.93	13.04					
15	16QAM	36	20	13.16	13.15	13.06					
15	16QAM	36	39	13.09	12.99	12.97	14.5	0			
15	16QAM	75	0	13.01	13.08	13.24					
15	84QAM	1	0	13.28	13.18	13.33	14.5	0			
15	84QAM	1	37	13.23	13.35	13.38					
15	84QAM	1	74	13.38	12.85	13.00					
15	84QAM	36	0	13.10	12.90	13.02	14.5	0			
15	84QAM	36	20	13.08	12.92	13.18					
15	84QAM	36	39	13.19	13.15	13.11					
15	84QAM	75	0	12.92	12.89	13.00	14.5	0			
Channel				18650	18900	19150		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	13.02	12.93	12.86	14.5	0			
10	QPSK	1	25	13.02	13.21	12.93					
10	QPSK	1	49	12.93	12.74	12.94					
10	QPSK	25	0	13.11	13.14	13.15	14.5	0			
10	QPSK	25	12	13.11	12.95	13.27					
10	QPSK	25	25	12.95	13.16	13.09					
10	QPSK	50	0	13.16	13.25	13.05	14.5	0			
10	16QAM	1	0	13.44	13.23	12.99					
10	16QAM	1	25	13.44	13.26	13.25					
10	16QAM	1	49	13.35	13.01	13.16	14.5	0			
10	16QAM	25	0	13.29	12.87	12.98					
10	16QAM	25	12	13.01	12.91	13.10					
10	16QAM	25	25	12.98	12.93	13.05	14.5	0			
10	16QAM	50	0	13.03	12.85	12.94					
10	84QAM	1	0	13.26	13.12	13.43					
10	84QAM	1	25	13.17	13.25	13.12	14.5	0			
10	84QAM	1	49	13.30	13.02	13.35					
10	84QAM	25	0	13.23	12.98	13.05					
10	84QAM	25	12	13.17	12.98	12.97	14.5	0			
10	84QAM	25	25	13.17	12.89	13.17					
10	84QAM	50	0	13.19	13.11	13.22					
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	12.85	13.10	12.74	14.5	0			
5	QPSK	1	24	13.18	13.44	13.21					
5	QPSK	12	0	13.00	12.98	12.97					
5	QPSK	12	7	13.15	12.98	13.24	14.5	0			
5	QPSK	12	13	13.22	12.86	13.16					
5	QPSK	25	0	13.13	13.00	13.27					
5	16QAM	1	0	13.39	13.13	12.97	14.5	0			
5	16QAM	1	12	13.40	13.15	13.25					
5	16QAM	1	24	13.16	13.10	13.06					
5	16QAM	12	0	12.97	13.15	12.91	14.5	0			
5	16QAM	12	7	13.15	13.09	13.02					
5	16QAM	12	13	12.89	12.86	13.16					
5	16QAM	25	0	13.18	13.05	13.03	14.5	0			
5	84QAM	1	0	13.21	13.02	13.18					
5	84QAM	1	12	13.30	13.32	13.17					
5	84QAM	1	24	13.28	12.97	13.41	14.5	0			
5	84QAM	12	0	13.09	13.20	12.99					
5	84QAM	12	7	13.08	13.15	13.29					
5	84QAM	12	13	13.16	12.89	13.12	14.5	0			
5	84QAM	25	0	13.07	12.97	13.19					
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	12.97	13.14	13.02	14.5	0			
3	QPSK	1	8	12.89	13.25	12.97					
3	QPSK	1	14	13.06	12.85	12.87					
3	QPSK	8	0	13.09	12.95	13.11	14.5	0			
3	QPSK	8	4	13.25	12.86	12.84					
3	QPSK	8	7	12.90	13.02	13.05					
3	QPSK	15	0	13.13	13.10	13.10	14.5	0			
3	16QAM	1	0	13.34	13.18	13.17					
3	16QAM	1	8	13.24	13.23	13.45					
3	16QAM	1	14	13.44	13.05	13.28	14.5	0			
3	16QAM	8	0	13.24	13.11	12.92					
3	16QAM	8	4	13.13	12.89	13.06					
3	16QAM	8	7	13.08	13.01	13.35	14.5	0			
3	16QAM	15	0	12.86	13.21	13.22					
3	84QAM	1	0	13.26	13.19	13.40	14.5	0			
3	84QAM	1	8	13.27	13.09	13.13					
3	84QAM	1	14	13.23	13.06	13.42					
3	84QAM	8	0	12.92	13.05	12.97	14.5	0			
3	84QAM	8	4	13.03	12.90	13.11					
3	84QAM	8	7	13.11	13.19	13.15					
3	84QAM	15	0	12.95	13.08	12.95	14.5	0			
Channel				18607	18900	19193		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	12.90	13.16	12.91	14.5	0			
1.4	QPSK	1	3	12.88	13.36	13.29					
1.4	QPSK	1	5	13.02	13.04	12.92					
1.4	QPSK	3	0	13.21	13.08	13.17	14.5	0			
1.4	QPSK	3	1	13.09	13.27	13.05					
1.4	QPSK	3	3	13.06	12.92	13.21					
1.4	QPSK	6	0	13.07	13.25	13.26	14.5	0			
1.4	16QAM	1	0	13.14	12.97	12.85					
1.4	16QAM	1	3	13.44	13.26	13.34					
1.4	16QAM	1	5	13.17	13.09	13.03	14.5	0			
1.4	16QAM	3	0	13.07	13.08	13.24					
1.4	16QAM	3	1	13.31	13.16	13.05					
1.4	16QAM	3	3	12.82	12.86	13.30	14.5	0			
1.4	16QAM	6	0	12.86	13.04	13.05					
1.4	84QAM	1	0	13.41	13.31	13.39					
1.4	84QAM	1	3	13.15	13.16	13.25	14.5	0			
1.4	84QAM	1	5	13.36	13.05	13.25					
1.4	84QAM	3	0	13.22	13.18	13.14					
1.4	84QAM	3	1	13.10	13.23	13.01	14.5	0			
1.4	84QAM	3	3	13.04	13.01	13.26					
1.4	84QAM	6	0	12.95	12.97	12.90					

Band 4_Ant 31									
BW [MHz]	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	24.1	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.39	22.38	22.44			
20	QPSK	1	49	22.55	22.58	22.59			
20	QPSK	1	99	22.43	22.41	22.44	23.1	1	
20	QPSK	50	0	21.39	21.54	21.32			
20	QPSK	50	24	21.52	21.58	21.59			
20	QPSK	50	50	21.45	21.46	21.51			
20	QPSK	100	0	21.46	21.52	21.54	23.1	1	
20	16QAM	1	0	21.69	21.82	21.88			
20	16QAM	1	49	21.91	21.87	21.99			
20	16QAM	1	99	21.74	21.65	21.81			
20	16QAM	50	0	20.50	20.61	20.32	22.1	2	
20	16QAM	50	24	20.39	20.60	20.49			
20	16QAM	50	50	20.48	20.57	20.43			
20	16QAM	100	0	20.43	20.56	20.40			
20	64QAM	1	0	20.47	20.41	20.41	22.1	2	
20	64QAM	1	49	20.52	20.56	20.54			
20	64QAM	1	99	20.49	20.42	20.31			
20	64QAM	50	0	19.68	19.67	19.38			
20	64QAM	50	24	19.61	19.72	19.59	21.1	3	
20	64QAM	50	50	19.60	19.49	19.56			
20	64QAM	100	0	19.63	19.65	19.47			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5	24.1	0	
15	QPSK	1	0	22.20	22.35	22.43			
15	QPSK	1	37	22.37	22.46	22.53			
15	QPSK	1	74	22.25	22.31	22.41			
15	QPSK	36	0	21.25	21.37	21.48	23.1	1	
15	QPSK	36	20	21.28	21.36	21.46			
15	QPSK	36	39	21.24	21.38	21.41			
15	QPSK	75	0	21.28	21.38	21.50			
15	16QAM	1	0	21.39	21.59	21.64	23.1	1	
15	16QAM	1	37	21.59	21.68	21.70			
15	16QAM	1	74	21.48	21.50	21.60			
15	16QAM	36	0	20.30	20.35	20.46			
15	16QAM	36	20	20.31	20.39	20.45	22.1	2	
15	16QAM	36	39	20.27	20.35	20.45			
15	16QAM	75	0	20.25	20.37	20.43			
15	64QAM	1	0	20.22	20.46	20.50			
15	64QAM	1	37	20.46	20.59	20.61	22.1	2	
15	64QAM	1	74	20.30	20.41	20.47			
15	64QAM	36	0	19.40	19.48	19.59			
15	64QAM	36	20	19.45	19.53	19.45			
15	64QAM	36	39	19.44	19.54	19.39	21.1	3	
15	64QAM	75	0	19.43	19.49	19.41			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750	24.1	0	
10	QPSK	1	0	22.22	22.44	22.46			
10	QPSK	1	25	22.35	22.48	22.56			
10	QPSK	1	49	22.31	22.36	22.47			
10	QPSK	25	0	21.26	21.40	21.50	23.1	1	
10	QPSK	25	12	21.31	21.41	21.51			
10	QPSK	25	25	21.30	21.41	21.52			
10	QPSK	50	0	21.34	21.44	21.57			
10	16QAM	1	0	21.40	21.67	21.67	23.1	1	
10	16QAM	1	25	21.55	21.69	21.76			
10	16QAM	1	49	21.54	21.56	21.65			
10	16QAM	25	0	20.25	20.41	20.50			
10	16QAM	25	12	20.29	20.39	20.53	22.1	2	
10	16QAM	25	25	20.29	20.39	20.51			
10	16QAM	50	0	20.31	20.41	20.49			
10	64QAM	1	0	20.30	20.55	20.55			
10	64QAM	1	25	20.45	20.55	20.64	22.1	2	
10	64QAM	1	49	20.40	20.46	20.57			
10	64QAM	25	0	19.43	19.58	19.47			
10	64QAM	25	12	19.48	19.53	19.48			
10	64QAM	25	25	19.45	19.56	19.45	21.1	3	
10	64QAM	50	0	19.43	19.57	19.47			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5	24.1	0	
5	QPSK	1	0	22.26	22.47	22.54			
5	QPSK	1	12	22.32	22.50	22.54			
5	QPSK	1	24	22.30	22.42	22.52			
5	QPSK	12	0	21.26	21.46	21.53	23.1	1	
5	QPSK	12	7	21.25	21.41	21.52			
5	QPSK	12	13	21.19	21.39	21.48			
5	QPSK	25	0	21.23	21.44	21.52			
5	16QAM	1	0	21.40	21.65	21.73	23.1	1	
5	16QAM	1	12	21.47	21.70	21.75			
5	16QAM	1	24	21.45	21.61	21.70			
5	16QAM	12	0	20.24	20.40	20.45			
5	16QAM	12	7	20.21	20.36	20.50	22.1	2	
5	16QAM	12	13	20.15	20.38	20.44			
5	16QAM	25	0	20.20	20.42	20.52			
5	64QAM	1	0	20.32	20.55	20.64			
5	64QAM	1	12	20.38	20.60	20.65	22.1	2	
5	64QAM	1	24	20.37	20.51	20.59			
5	64QAM	12	0	19.41	19.58	19.46			
5	64QAM	12	7	19.38	19.57	19.52			
5	64QAM	12	13	19.35	19.57	19.45	21.1	3	
5	64QAM	25	0	19.34	19.55	19.48			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5	24.1	0	
3	QPSK	1	0	22.24	22.42	22.48			
3	QPSK	1	8	22.25	22.42	22.52			
3	QPSK	1	14	22.23	22.39	22.50			
3	QPSK	8	0	21.22	21.42	21.52	23.1	1	
3	QPSK	8	4	21.22	21.40	21.52			
3	QPSK	8	7	21.19	21.37	21.50			
3	QPSK	15	0	21.20	21.38	21.49			
3	16QAM	1	0	21.41	21.66	21.72	23.1	1	
3	16QAM	1	8	21.45	21.62	21.76			
3	16QAM	1	14	21.44	21.61	21.69			
3	16QAM	8	0	20.26	20.46	20.56			
3	16QAM	8	4	20.25	20.44	20.55	22.1	2	
3	16QAM	8	7	20.23	20.40	20.53			
3	16QAM	15	0	20.20	20.38	20.52			
3	64QAM	1	0	20.27	20.55	20.62			
3	64QAM	1	8	20.35	20.55	20.65	22.1	2	
3	64QAM	1	14	20.30	20.51	20.59			
3	64QAM	8	0	19.39	19.58	19.50			
3	64QAM	8	4	19.38	19.55	19.49			
3	64QAM	8	7	19.39	19.55	19.47	21.1	3	
3	64QAM	15	0	19.34	19.52	19.46			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3	24.1	0	
1.4	QPSK	1	0	22.22	22.41	22.51			
1.4	QPSK	1	3	22.24	22.43	22.51			
1.4	QPSK	1	5	22.23	22.41	22.51			
1.4	QPSK	3	0	22.22	22.44	22.55	23.1	1	
1.4	QPSK	3	1	22.24	22.45	22.54			
1.4	QPSK	3	3	22.24	22.41	22.53			
1.4	QPSK	6	0	21.23	21.43	21.53			
1.4	16QAM	1	0	21.39	21.67	21.72	23.1	1	
1.4	16QAM	1	3	21.42	21.67	21.72			
1.4	16QAM	1	5	21.38	21.66	21.70			
1.4	16QAM	3	0	21.23	21.42	21.52			
1.4	16QAM	3	1	21.23	21.43	21.52	22.1	2	
1.4	16QAM	3	3	21.23	21.39	21.50			
1.4	16QAM	6	0	20.27	20.48	20.55			
1.4	64QAM	1	0	20.31	20.55	20.64			
1.4	64QAM	1	3	20.29	20.53	20.61	22.1	2	
1.4	64QAM	1	5	20.29	20.54	20.59			
1.4	64QAM	3	0	20.30	20.53	20.62			
1.4	64QAM	3	1	20.33	20.53	20.63			
1.4	64QAM	3	3	20.30	20.48	20.61	21.4	3	
1.4	64QAM	6	0	19.31	19.54	19.44			

Band 7_Ant 13										
BW [MHz]	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	10.53	10.52	10.61	12	0		
20	QPSK	1	49	10.72	10.89	10.79				
20	QPSK	1	99	10.70	10.79	10.73				
20	QPSK	50	0	10.59	10.69	10.74	12	0		
20	QPSK	50	24	10.58	10.85	10.84				
20	QPSK	50	50	10.67	10.74	10.83				
20	QPSK	100	0	10.57	10.84	10.81	12	0		
20	16QAM	1	0	10.75	10.83	10.52				
20	16QAM	1	49	10.86	10.65	10.83				
20	16QAM	1	99	10.87	10.87	10.79	12	0		
20	16QAM	50	0	10.52	10.74	10.72				
20	16QAM	50	24	10.64	10.82	10.76				
20	16QAM	50	50	10.64	10.80	10.84	12	0		
20	16QAM	100	0	10.55	10.70	10.83				
20	64QAM	1	0	10.82	10.70	10.59				
20	64QAM	1	49	10.84	10.84	10.63	12	0		
20	64QAM	1	99	10.74	10.87	10.71				
20	64QAM	50	0	10.57	10.69	10.76				
20	64QAM	50	24	10.64	10.78	10.74	12	0		
20	64QAM	50	50	10.65	10.74	10.84				
20	64QAM	100	0	10.56	10.70	10.76				
Channel				20825	21100	21375	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	10.46	10.57	10.37	12	0		
15	QPSK	1	37	10.64	10.72	10.87				
15	QPSK	1	74	10.71	10.80	10.69				
15	QPSK	36	0	10.52	10.53	10.55	12	0		
15	QPSK	36	20	10.57	10.73	10.65				
15	QPSK	36	39	10.75	10.52	10.71				
15	QPSK	75	0	10.34	10.57	10.65	12	0		
15	16QAM	1	0	10.60	10.62	10.51				
15	16QAM	1	37	10.88	10.55	10.65				
15	16QAM	1	74	10.85	10.87	10.55	12	0		
15	16QAM	36	0	10.36	10.48	10.64				
15	16QAM	36	20	10.51	10.71	10.48				
15	16QAM	36	39	10.59	10.83	10.88	12	0		
15	16QAM	75	0	10.47	10.50	10.88				
15	64QAM	1	0	10.61	10.56	10.55				
15	64QAM	1	37	10.87	10.60	10.46	12	0		
15	64QAM	1	74	10.77	10.85	10.74				
15	64QAM	36	0	10.41	10.56	10.52				
15	64QAM	36	20	10.38	10.51	10.52	12	0		
15	64QAM	36	39	10.47	10.70	10.57				
15	64QAM	75	0	10.35	10.56	10.79				
Channel				20800	21100	21400	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	10.57	10.58	10.59	12	0		
10	QPSK	1	25	10.77	10.68	10.70				
10	QPSK	1	49	10.58	10.54	10.62				
10	QPSK	25	0	10.33	10.74	10.55	12	0		
10	QPSK	25	12	10.47	10.85	10.60				
10	QPSK	25	25	10.49	10.63	10.72				
10	QPSK	50	0	10.32	10.69	10.66	12	0		
10	16QAM	1	0	10.62	10.59	10.37				
10	16QAM	1	25	10.63	10.47	10.67				
10	16QAM	1	49	10.69	10.65	10.76	12	0		
10	16QAM	25	0	10.55	10.48	10.67				
10	16QAM	25	12	10.67	10.55	10.48				
10	16QAM	25	25	10.43	10.54	10.65	12	0		
10	16QAM	50	0	10.55	10.49	10.59				
10	64QAM	1	0	10.88	10.54	10.41				
10	64QAM	1	25	10.83	10.77	10.64	12	0		
10	64QAM	1	49	10.70	10.78	10.44				
10	64QAM	25	0	10.43	10.58	10.63				
10	64QAM	25	12	10.65	10.63	10.77	12	0		
10	64QAM	25	25	10.71	10.69	10.68				
10	64QAM	50	0	10.28	10.43	10.61				
Channel				20775	21100	21425	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	10.47	10.24	10.49	12	0		
5	QPSK	1	12	10.75	10.72	10.87				
5	QPSK	1	24	10.69	10.79	10.73				
5	QPSK	12	0	10.53	10.42	10.80	12	0		
5	QPSK	12	7	10.41	10.60	10.57				
5	QPSK	12	13	10.49	10.68	10.59				
5	QPSK	25	0	10.63	10.76	10.82	12	0		
5	16QAM	1	0	10.59	10.69	10.53				
5	16QAM	1	12	10.86	10.53	10.79				
5	16QAM	1	24	10.71	10.84	10.60	12	0		
5	16QAM	12	0	10.54	10.69	10.55				
5	16QAM	12	7	10.72	10.56	10.74				
5	16QAM	12	13	10.66	10.86	10.86	12	0		
5	16QAM	25	0	10.47	10.66	10.87				
5	64QAM	1	0	10.75	10.72	10.35				
5	64QAM	1	12	10.60	10.67	10.58	12	0		
5	64QAM	1	24	10.54	10.70	10.73				
5	64QAM	12	0	10.62	10.41	10.75				
5	64QAM	12	7	10.61	10.61	10.56	12	0		
5	64QAM	12	13	10.46	10.77	10.75				
5	64QAM	25	0	10.64	10.52	10.55				

Band 7_Ant 31										
BW (MHz)	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	21.99	21.86	22.00	23.5	0		
20	QPSK	1	49	22.21	22.29	22.21				
20	QPSK	1	99	21.93	22.02	22.20				
20	QPSK	50	0	21.03	21.10	21.19	22.5	1		
20	QPSK	50	24	21.18	21.23	21.21				
20	QPSK	50	50	21.13	21.22	21.19				
20	QPSK	100	0	21.02	21.20	21.14	22.5	1		
20	16QAM	1	0	21.34	21.48	21.16				
20	16QAM	1	49	21.52	21.70	21.38				
20	16QAM	1	99	21.47	21.57	21.30	21.5	2		
20	16QAM	50	0	19.95	20.06	20.26				
20	16QAM	50	24	20.07	20.20	20.22				
20	16QAM	50	50	20.06	20.10	20.38	21.5	2		
20	16QAM	100	0	19.99	20.12	20.33				
20	64QAM	1	0	20.00	20.14	20.29				
20	64QAM	1	49	20.29	20.28	20.44	21.5	2		
20	64QAM	1	99	20.11	20.21	20.21				
20	64QAM	50	0	18.94	19.05	19.28				
20	64QAM	50	24	19.01	19.09	19.24	20.5	3		
20	64QAM	50	50	18.97	19.13	19.40				
20	64QAM	100	0	18.97	19.12	19.30				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.02	22.20	22.12	23.5	0		
15	QPSK	1	37	22.18	22.28	22.16				
15	QPSK	1	74	22.13	22.19	22.24				
15	QPSK	36	0	21.03	21.18	21.19	22.5	1		
15	QPSK	36	20	21.11	21.21	21.23				
15	QPSK	36	39	21.13	21.25	21.33				
15	QPSK	75	0	21.07	21.24	21.30	22.5	1		
15	16QAM	1	0	21.26	21.39	21.35				
15	16QAM	1	37	21.41	21.48	21.54				
15	16QAM	1	74	21.32	21.37	21.42	22.5	1		
15	16QAM	36	0	20.05	20.19	20.19				
15	16QAM	36	20	20.12	20.24	20.26				
15	16QAM	36	39	20.15	20.23	20.35	21.5	2		
15	16QAM	75	0	20.08	20.19	20.24				
15	64QAM	1	0	20.13	20.29	20.22				
15	64QAM	1	37	20.30	20.41	20.41	21.5	2		
15	64QAM	1	74	20.22	20.29	20.30				
15	64QAM	36	0	19.00	19.23	19.19				
15	64QAM	36	20	19.08	19.21	19.25	20.5	3		
15	64QAM	36	39	19.12	19.20	19.33				
15	64QAM	75	0	19.02	19.19	19.25				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	22.07	22.20	22.12	23.5	0		
10	QPSK	1	49	22.17	22.26	22.27				
10	QPSK	1	99	22.15	22.18	22.23				
10	QPSK	25	0	21.08	21.18	21.12	22.5	1		
10	QPSK	25	12	21.10	21.24	21.22				
10	QPSK	25	25	21.12	21.25	21.21				
10	QPSK	50	0	21.16	21.24	21.23	22.5	1		
10	16QAM	1	0	21.27	21.46	21.39				
10	16QAM	1	25	21.35	21.48	21.50				
10	16QAM	1	49	21.31	21.44	21.43	22.5	1		
10	16QAM	25	0	20.05	20.18	20.24				
10	16QAM	25	12	20.09	20.19	20.22				
10	16QAM	25	25	20.11	20.23	20.26	21.5	2		
10	16QAM	50	0	20.14	20.22	20.21				
10	64QAM	1	0	20.16	20.29	20.31				
10	64QAM	1	25	20.27	20.34	20.43	21.5	2		
10	64QAM	1	49	20.26	20.30	20.37				
10	64QAM	25	0	19.06	19.21	19.12				
10	64QAM	25	12	19.09	19.22	19.23	20.5	3		
10	64QAM	25	25	19.09	19.26	19.29				
10	64QAM	50	0	19.07	19.21	19.19				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	22.11	22.26	22.20	23.5	0		
5	QPSK	1	12	22.16	22.25	22.17				
5	QPSK	1	24	22.16	22.27	22.22				
5	QPSK	12	0	21.11	21.25	21.26	22.5	1		
5	QPSK	12	7	21.10	21.22	21.28				
5	QPSK	12	13	21.17	21.22	21.24				
5	QPSK	25	0	21.13	21.20	21.21	22.5	1		
5	16QAM	1	0	21.29	21.43	21.39				
5	16QAM	1	12	21.30	21.45	21.52				
5	16QAM	1	24	21.33	21.42	21.46	21.5	2		
5	16QAM	12	0	20.06	20.21	20.23				
5	16QAM	12	7	20.07	20.15	20.26				
5	16QAM	12	13	20.11	20.19	20.21	21.5	2		
5	16QAM	25	0	20.12	20.22	20.23				
5	64QAM	1	0	20.20	20.34	20.35				
5	64QAM	1	12	20.20	20.38	20.43	21.5	2		
5	64QAM	1	24	20.20	20.39	20.35				
5	64QAM	12	0	19.08	19.23	19.25				
5	64QAM	12	7	19.09	19.20	19.26	20.5	3		
5	64QAM	12	13	19.14	19.17	19.24				
5	64QAM	25	0	19.06	19.17	19.22				

Band 12_Ant 41										
BW [MHz]	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	23.40	23.51	23.33				
10	QPSK	1	25	23.50	23.54	23.48				
10	QPSK	1	49	23.47	23.50	23.47	23.5	1		
10	QPSK	25	0	22.43	22.40	22.29				
10	QPSK	25	12	22.45	22.48	22.31				
10	QPSK	25	25	22.44	22.41	22.27				
10	QPSK	50	0	22.46	22.48	22.33	23.5	1		
10	16QAM	1	0	22.80	22.75	22.84				
10	16QAM	1	25	22.82	22.85	22.84				
10	16QAM	1	49	22.86	22.84	22.85				
10	16QAM	25	0	21.40	21.32	21.31	22.5	2		
10	16QAM	25	12	21.35	21.37	21.48				
10	16QAM	25	25	21.42	21.50	21.36				
10	16QAM	50	0	21.49	21.45	21.27				
10	64QAM	1	0	21.58	21.40	21.61	22.5	2		
10	64QAM	1	25	21.62	21.57	21.65				
10	64QAM	1	49	21.73	21.47	21.60				
10	64QAM	25	0	20.57	20.52	20.48				
10	64QAM	25	12	20.57	20.61	20.57	21.5	3		
10	64QAM	25	25	20.62	20.67	20.41				
10	64QAM	50	0	20.56	20.57	20.38				
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	23.29	23.37	23.36				
5	QPSK	1	12	23.43	23.38	23.39				
5	QPSK	1	24	23.45	23.45	23.43				
5	QPSK	12	0	22.27	22.27	22.28	23.5	1		
5	QPSK	12	7	22.33	22.35	22.22				
5	QPSK	12	13	22.31	22.33	22.13				
5	QPSK	25	0	22.30	22.32	22.22				
5	16QAM	1	0	22.71	22.68	22.70	23.5	1		
5	16QAM	1	12	22.83	22.74	22.79				
5	16QAM	1	24	22.74	22.86	22.65				
5	16QAM	12	0	21.28	21.27	21.22				
5	16QAM	12	7	21.35	21.34	21.19	22.5	2		
5	16QAM	12	13	21.27	21.42	21.06				
5	16QAM	25	0	21.31	21.29	21.26				
5	64QAM	1	0	21.63	21.55	20.93				
5	64QAM	1	12	21.56	21.25	21.32	22.5	2		
5	64QAM	1	24	21.55	21.17	21.01				
5	64QAM	12	0	20.44	20.41	20.42				
5	64QAM	12	7	20.45	20.41	20.44				
5	64QAM	12	13	20.46	20.51	20.33	21.5	3		
5	64QAM	25	0	20.47	20.46	20.44				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24.5	0		
3	QPSK	1	0	23.23	23.27	23.29				
3	QPSK	1	8	23.22	23.28	23.30				
3	QPSK	1	14	23.32	23.31	23.32				
3	QPSK	8	0	22.24	22.28	22.17	23.5	1		
3	QPSK	8	4	22.27	22.37	22.18				
3	QPSK	8	7	22.24	22.30	22.17				
3	QPSK	15	0	22.26	22.23	22.25				
3	16QAM	1	0	22.57	22.57	22.56	23.5	1		
3	16QAM	1	8	22.55	22.62	22.56				
3	16QAM	1	14	22.66	22.63	22.51				
3	16QAM	8	0	21.25	21.24	21.20				
3	16QAM	8	4	21.24	21.28	21.28	22.5	2		
3	16QAM	8	7	21.27	21.26	21.27				
3	16QAM	15	0	21.33	21.36	21.09				
3	64QAM	1	0	21.28	21.58	21.40				
3	64QAM	1	8	21.31	21.32	21.24	22.5	2		
3	64QAM	1	14	21.36	21.32	21.22				
3	64QAM	8	0	20.48	20.49	20.36				
3	64QAM	8	4	20.46	20.50	20.37				
3	64QAM	8	7	20.41	20.51	20.52	21.5	3		
3	64QAM	15	0	20.43	20.50	20.38				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24.5	0		
1.4	QPSK	1	0	23.22	23.27	23.02				
1.4	QPSK	1	3	23.22	23.25	23.07				
1.4	QPSK	1	5	23.25	23.17	23.05				
1.4	QPSK	3	0	23.31	23.29	23.15	23.5	1		
1.4	QPSK	3	1	23.30	23.35	23.24				
1.4	QPSK	3	3	23.29	23.31	23.15				
1.4	QPSK	6	0	22.30	22.27	22.25				
1.4	16QAM	1	0	22.41	22.22	22.03	23.5	1		
1.4	16QAM	1	3	22.42	22.27	22.02				
1.4	16QAM	1	5	22.42	22.23	22.05				
1.4	16QAM	3	0	22.42	22.33	22.27				
1.4	16QAM	3	1	22.37	22.35	22.35	22.5	2		
1.4	16QAM	3	3	22.31	22.32	22.23				
1.4	16QAM	6	0	21.27	21.21	21.22				
1.4	64QAM	1	0	21.56	21.67	21.45				
1.4	64QAM	1	3	21.50	21.64	21.48	22.5	2		
1.4	64QAM	1	5	21.53	21.55	21.20				
1.4	64QAM	3	0	21.49	21.50	21.22				
1.4	64QAM	3	1	21.48	21.52	21.23				
1.4	64QAM	3	3	21.46	21.54	21.27	21.5	3		
1.4	64QAM	6	0	20.48	20.45	20.31				

Band 17_Ant 13										
BW [MHz]	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	22.5	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	21.30	21.36	21.31				
10	QPSK	1	25	21.35	21.45	21.39				
10	QPSK	1	49	21.32	21.32	21.32	22.5	0		
10	QPSK	25	0	21.21	21.22	21.18				
10	QPSK	25	12	21.32	21.42	21.35				
10	QPSK	25	25	21.20	21.35	21.09				
10	QPSK	50	0	21.34	21.40	21.20	22.5	0		
10	16QAM	1	0	21.20	21.09	21.43				
10	16QAM	1	25	21.44	21.19	21.42				
10	16QAM	1	49	21.40	21.16	21.41				
10	16QAM	25	0	21.28	21.38	21.05	22.5	0		
10	16QAM	25	12	21.32	21.44	21.29				
10	16QAM	25	25	21.41	21.28	21.12				
10	16QAM	50	0	21.27	21.39	21.15				
10	64QAM	1	0	21.24	21.29	21.06	22.5	0		
10	64QAM	1	25	21.21	21.39	21.29				
10	64QAM	1	49	20.93	21.25	21.22				
10	64QAM	25	0	20.44	20.47	20.31				
10	64QAM	25	12	20.51	20.65	20.48	21.5	1		
10	64QAM	25	25	20.59	20.55	20.34				
10	64QAM	50	0	20.47	20.50	20.35				
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				705.5	710	713.5	22.5	0		
5	QPSK	1	0	21.26	21.26	21.24				
5	QPSK	1	12	21.19	21.38	21.40				
5	QPSK	1	24	21.10	21.08	21.10				
5	QPSK	12	0	21.02	21.18	21.13	22.5	0		
5	QPSK	12	7	21.33	21.17	21.07				
5	QPSK	12	13	21.32	21.39	20.90				
5	QPSK	25	0	21.20	21.15	21.16				
5	16QAM	1	0	21.19	21.00	21.38	22.5	0		
5	16QAM	1	12	21.42	21.26	21.20				
5	16QAM	1	24	21.20	21.10	21.17				
5	16QAM	12	0	21.36	21.19	20.87				
5	16QAM	12	7	21.21	21.17	21.25	22.5	0		
5	16QAM	12	13	21.32	21.24	20.94				
5	16QAM	25	0	21.27	21.34	21.07				
5	64QAM	1	0	21.24	21.22	21.08				
5	64QAM	1	12	21.25	21.34	21.31	22.5	0		
5	64QAM	1	24	20.90	21.13	21.23				
5	64QAM	12	0	20.42	20.21	20.22				
5	64QAM	12	7	20.45	20.59	20.54				
5	64QAM	12	13	20.39	20.38	20.38	21.5	1		
5	64QAM	25	0	20.27	20.45	20.23				

Band 38_Ant 13

BW [MHz]	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	13.29	13.27	13.21	14.4	0
20	QPSK	1	49	13.50	13.49	13.38		
20	QPSK	1	99	13.41	13.26	13.25		
20	QPSK	50	0	13.39	13.38	13.35	14.4	0
20	QPSK	50	24	13.44	13.41	13.36		
20	QPSK	50	50	13.40	13.35	13.31		
20	QPSK	100	0	13.40	13.38	13.36	14.4	0
20	16QAM	1	0	13.26	13.36	13.23		
20	16QAM	1	49	13.47	13.43	13.37		
20	16QAM	1	99	13.38	13.31	13.28	14.4	0
20	16QAM	50	0	13.41	13.39	13.35		
20	16QAM	50	24	13.46	13.42	13.39		
20	16QAM	50	50	13.40	13.39	13.35	14.4	0
20	16QAM	100	0	13.40	13.38	13.35		
20	64QAM	1	0	13.13	13.15	13.04		
20	64QAM	1	49	13.24	13.22	13.19	14.4	0
20	64QAM	1	99	13.16	13.12	13.10		
20	64QAM	50	0	13.41	13.38	13.35		
20	64QAM	50	24	13.43	13.40	13.36	14.4	0
20	64QAM	50	50	13.42	13.34	13.33		
20	64QAM	100	0	13.39	13.38	13.35		
Channel				37725	38000	38115	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	13.19	13.03	13.28	14.4	0
15	QPSK	1	37	13.29	13.41	13.17		
15	QPSK	1	74	13.38	13.10	13.20		
15	QPSK	36	0	13.29	13.19	13.25	14.4	0
15	QPSK	36	20	13.39	13.17	13.44		
15	QPSK	36	39	13.35	13.25	13.03		
15	QPSK	75	0	13.38	13.25	13.24	14.4	0
15	16QAM	1	0	13.11	13.18	13.11		
15	16QAM	1	37	13.30	13.21	13.13		
15	16QAM	1	74	13.35	13.09	13.14	14.4	0
15	16QAM	36	0	13.27	13.24	13.07		
15	16QAM	36	20	13.37	13.46	13.34		
15	16QAM	36	39	13.21	13.33	13.31	14.4	0
15	16QAM	75	0	13.46	13.10	13.21		
15	64QAM	1	0	13.12	12.98	13.05		
15	64QAM	1	37	12.97	13.14	13.04	14.4	0
15	64QAM	1	74	13.15	13.01	13.17		
15	64QAM	36	0	13.24	13.21	13.36		
15	64QAM	36	20	13.49	13.14	13.34	14.4	0
15	64QAM	36	39	13.30	13.18	13.38		
15	64QAM	75	0	13.46	13.22	13.42		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	13.11	13.07	13.24	14.4	0
10	QPSK	1	25	13.39	13.44	13.21		
10	QPSK	1	49	13.37	12.99	13.12		
10	QPSK	25	0	13.20	13.36	13.26	14.4	0
10	QPSK	25	12	13.25	13.26	13.42		
10	QPSK	25	25	13.20	13.19	13.20		
10	QPSK	50	0	13.21	13.25	13.43	14.4	0
10	16QAM	1	0	13.15	13.12	12.95		
10	16QAM	1	25	13.37	13.19	13.20		
10	16QAM	1	49	13.44	13.06	13.20	14.4	0
10	16QAM	25	0	13.44	13.20	13.36		
10	16QAM	25	12	13.33	13.31	13.45		
10	16QAM	25	25	13.20	13.13	13.12	14.4	0
10	16QAM	50	0	13.43	13.45	13.09		
10	64QAM	1	0	13.21	13.23	12.78		
10	64QAM	1	25	13.12	12.95	13.21	14.4	0
10	64QAM	1	49	12.92	12.97	13.11		
10	64QAM	25	0	13.38	13.17	13.41		
10	64QAM	25	12	13.34	13.15	13.29	14.4	0
10	64QAM	25	25	13.47	13.29	13.22		
10	64QAM	50	0	13.46	13.35	13.20		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	13.30	13.12	13.22	14.4	0
5	QPSK	1	12	13.30	13.31	13.45		
5	QPSK	1	24	13.31	13.16	12.98		
5	QPSK	12	0	13.24	13.30	13.39	14.4	0
5	QPSK	12	7	13.41	13.14	13.18		
5	QPSK	12	13	13.27	13.31	13.31		
5	QPSK	25	0	13.13	13.36	13.26	14.4	0
5	16QAM	1	0	13.33	13.13	13.01		
5	16QAM	1	12	13.39	13.33	13.25		
5	16QAM	1	24	13.22	13.12	13.24	14.4	0
5	16QAM	12	0	13.40	13.36	13.37		
5	16QAM	12	7	13.41	13.35	13.31		
5	16QAM	12	13	13.23	13.40	13.39	14.4	0
5	16QAM	25	0	13.38	13.27	13.42		
5	64QAM	1	0	12.86	12.99	12.76		
5	64QAM	1	12	13.14	13.10	12.92	14.4	0
5	64QAM	1	24	13.01	13.04	12.98		
5	64QAM	12	0	13.24	13.38	13.09		
5	64QAM	12	7	13.30	13.47	13.13	14.4	0
5	64QAM	12	13	13.28	13.19	13.39		
5	64QAM	25	0	13.42	13.21	13.16		

Band 38_Ant 31

BW [MHz]	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	22.54	22.54	22.45	23.8	0
20	QPSK	1	49	22.78	22.72	22.64		
20	QPSK	1	99	22.57	22.64	22.63		
20	QPSK	50	0	21.74	21.74	21.70	22.8	1
20	QPSK	50	24	21.85	21.84	21.70		
20	QPSK	50	50	21.72	21.77	21.78		
20	QPSK	100	0	21.82	21.74	21.72	22.8	1
20	16QAM	1	0	21.80	21.75	21.77		
20	16QAM	1	49	22.03	21.99	21.92		
20	16QAM	1	99	21.82	21.90	21.83	21.8	2
20	16QAM	50	0	20.75	20.77	20.75		
20	16QAM	50	24	20.81	20.85	20.78		
20	16QAM	50	50	20.80	20.81	20.76	21.8	2
20	16QAM	100	0	20.74	20.77	20.74		
20	64QAM	1	0	20.63	20.65	20.58		
20	64QAM	1	49	20.80	20.83	20.78	20.8	3
20	64QAM	1	99	20.63	20.74	20.65		
20	64QAM	50	0	19.69	19.71	19.68		
20	64QAM	50	24	19.73	19.77	19.74	20.8	3
20	64QAM	50	50	19.71	19.74	19.73		
20	64QAM	100	0	19.70	19.73	19.73		
Channel				37725	38000	38115	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2277.5	2295	2312.5		
15	QPSK	1	0	22.64	22.66	22.64	23.8	0
15	QPSK	1	37	22.73	22.76	22.77		
15	QPSK	1	74	22.75	22.66	22.69		
15	QPSK	36	0	21.72	21.71	21.69	22.8	1
15	QPSK	36	20	21.74	21.73	21.68		
15	QPSK	36	39	21.71	21.70	21.70		
15	QPSK	75	0	21.74	21.68	21.73	22.8	1
15	16QAM	1	0	21.81	21.81	21.75		
15	16QAM	1	37	21.89	21.80	21.80		
15	16QAM	1	74	21.92	21.82	21.84	21.8	2
15	16QAM	36	0	20.70	20.69	20.65		
15	16QAM	36	20	20.69	20.72	20.66		
15	16QAM	36	39	20.73	20.69	20.69	21.8	2
15	16QAM	75	0	20.74	20.73	20.71		
15	64QAM	1	0	20.67	20.67	20.59		
15	64QAM	1	37	20.77	20.80	20.83	21.8	2
15	64QAM	1	74	20.76	20.69	20.71		
15	64QAM	36	0	19.69	19.69	19.67		
15	64QAM	36	20	19.68	19.72	19.70	20.8	3
15	64QAM	36	39	19.70	19.71	19.69		
15	64QAM	75	0	19.70	19.67	19.67		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2275	2295	2315		
10	QPSK	1	0	22.61	22.65	22.59	23.8	

Band 41_Ant 31											
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	22.40	22.35	22.51	22.54	22.60	23.8	0	
20	QPSK	1	49	22.46	22.51	22.82	22.71	22.78			
20	QPSK	1	99	22.39	22.48	22.60	22.64	22.59			
20	QPSK	50	0	21.46	21.63	21.77	21.77	21.79	22.8	1	
20	QPSK	50	24	21.67	21.65	21.83	21.80	21.81			
20	QPSK	50	50	21.63	21.62	21.74	21.78	21.77			
20	QPSK	100	0	21.53	21.62	21.79	21.74	21.76	22.8	1	
20	16QAM	1	0	21.52	21.59	21.74	21.77	21.85			
20	16QAM	1	49	21.72	21.81	22.01	21.94	22.07			
20	16QAM	1	99	21.59	21.72	21.84	21.86	21.89	21.8	2	
20	16QAM	50	0	20.46	20.57	20.76	20.79	20.81			
20	16QAM	50	24	20.58	20.63	20.81	20.85	20.93			
20	16QAM	50	50	20.83	20.84	20.81	20.82	20.86	21.8	2	
20	16QAM	100	0	20.57	20.59	20.76	20.78	20.80			
20	64QAM	1	0	20.38	20.44	20.59	20.65	20.71			
20	64QAM	1	49	20.60	20.72	20.79	20.77	20.86	21.8	2	
20	64QAM	1	99	20.46	20.56	20.66	20.72	20.75			
20	64QAM	50	0	19.40	19.56	19.73	19.71	19.76			
20	64QAM	50	24	19.53	19.58	19.76	19.80	19.84	20.8	3	
20	64QAM	50	50	19.57	19.59	19.74	19.75	19.79			
20	64QAM	100	0	19.52	19.59	19.74	19.71	19.79			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2546.3	2593	2637.3	2682.5			
15	QPSK	1	0	22.47	22.58	22.66	22.62	22.61	23.8	0	
15	QPSK	1	37	22.59	22.75	22.81	22.79	22.65			
15	QPSK	1	74	22.53	22.66	22.69	22.65	22.64			
15	QPSK	36	0	21.45	21.62	21.69	21.68	21.70	22.8	1	
15	QPSK	36	20	21.55	21.64	21.69	21.73	21.70			
15	QPSK	36	39	21.54	21.65	21.72	21.69	21.68			
15	QPSK	75	0	21.55	21.64	21.73	21.76	21.73	22.8	1	
15	16QAM	1	0	21.62	21.76	21.83	21.76	21.74			
15	16QAM	1	37	21.79	21.80	21.80	21.80	21.83			
15	16QAM	1	74	21.68	21.80	21.85	21.82	21.75	21.8	2	
15	16QAM	36	0	20.45	20.63	20.69	20.67	20.64			
15	16QAM	36	20	20.55	20.62	20.73	20.75	20.64			
15	16QAM	36	39	20.55	20.81	20.71	20.73	20.68	21.8	2	
15	16QAM	75	0	20.53	20.61	20.74	20.73	20.65			
15	64QAM	1	0	20.47	20.55	20.65	20.63	20.59			
15	64QAM	1	37	20.64	20.70	20.79	20.72	20.68	21.8	2	
15	64QAM	1	74	20.55	20.65	20.67	20.70	20.57			
15	64QAM	36	0	19.43	19.60	19.70	19.65	19.69			
15	64QAM	36	20	19.52	19.62	19.68	19.72	19.64	20.8	3	
15	64QAM	36	39	19.54	19.62	19.68	19.67	19.66			
15	64QAM	75	0	19.53	19.62	19.70	19.71	19.62			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.42	22.54	22.66	22.60	22.58	23.8	0	
10	QPSK	1	25	22.54	22.60	22.72	22.63	22.62			
10	QPSK	1	49	22.48	22.50	22.59	22.61	22.58			
10	QPSK	25	0	21.53	21.68	21.73	21.76	21.76	22.8	1	
10	QPSK	25	12	21.53	21.62	21.74	21.84	21.73			
10	QPSK	25	25	21.56	21.65	21.74	21.75	21.77			
10	QPSK	50	0	21.53	21.64	21.75	21.79	21.73	22.8	1	
10	16QAM	1	0	21.75	21.78	21.89	21.87	21.83			
10	16QAM	1	25	21.76	21.83	21.93	21.92	21.85			
10	16QAM	1	49	21.69	21.81	21.87	21.86	21.84	21.8	2	
10	16QAM	25	0	20.56	20.71	20.78	20.78	20.75			
10	16QAM	25	12	20.60	20.69	20.79	20.78	20.74			
10	16QAM	25	25	20.60	20.66	20.78	20.78	20.75	21.8	2	
10	16QAM	50	0	20.68	20.68	20.79	20.78	20.73			
10	64QAM	1	0	20.50	20.61	20.74	20.71	20.68			
10	64QAM	1	25	20.55	20.68	20.81	20.77	20.71	21.8	2	
10	64QAM	1	49	20.55	20.62	20.71	20.71	20.65			
10	64QAM	25	0	19.56	19.72	19.78	19.85	19.76			
10	64QAM	25	12	19.60	19.70	19.77	19.79	19.80	20.8	3	
10	64QAM	25	25	19.58	19.67	19.79	19.79	19.72			
10	64QAM	50	0	19.49	19.64	19.71	19.77	19.68			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.47	22.57	22.66	22.63	22.62	23.8	0	
5	QPSK	1	12	22.57	22.66	22.72	22.65	22.65			
5	QPSK	1	24	22.51	22.64	22.67	22.68	22.65			
5	QPSK	12	0	21.55	21.68	21.76	21.72	21.72	22.8	1	
5	QPSK	12	7	21.56	21.64	21.76	21.72	21.77			
5	QPSK	12	13	21.57	21.69	21.67	21.70	21.70			
5	QPSK	25	0	21.57	21.70	21.74	21.74	21.71	22.8	1	
5	16QAM	1	0	21.64	21.78	21.87	21.84	21.83			
5	16QAM	1	12	21.67	21.84	21.88	21.83	21.82			
5	16QAM	1	24	21.73	21.81	21.89	21.88	21.84	21.8	2	
5	16QAM	12	0	20.54	20.69	20.75	20.75	20.73			
5	16QAM	12	7	20.56	20.68	20.72	20.77	20.76			
5	16QAM	12	13	20.55	20.62	20.72	20.74	20.69	21.8	2	
5	16QAM	25	0	20.62	20.73	20.76	20.77	20.76			
5	64QAM	1	0	20.58	20.70	20.76	20.79	20.76			
5	64QAM	1	12	20.64	20.66	20.87	20.80	20.73	21.8	2	
5	64QAM	1	24	20.54	20.70	20.78	20.77	20.67			
5	64QAM	12	0	19.53	19.68	19.74	19.77	19.76			
5	64QAM	12	7	19.52	19.67	19.74	19.74	19.74	20.8	3	
5	64QAM	12	13	19.53	19.65	19.72	19.73	19.65			
5	64QAM	25	0	19.59	19.72	19.80	19.77	19.76			

Reduced Power Mode for DSI4

GSM900_Art 13		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251	128	189	251	Tune-up Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	Tune-up Limit (dBm)
GSM 1 Tx slot		32.33	32.36	32.30	33.50	23.33	23.36	23.30
GPRS 1 Tx slot		32.31	32.35	32.28	33.50	23.31	23.35	23.28
GPRS 2 Tx slots		30.58	30.66	30.63	31.50	24.58	24.66	24.63
GPRS 3 Tx slots		28.73	28.82	28.80	29.50	24.47	24.56	24.54
GPRS 4 Tx slots		27.15	27.25	27.23	28.00	24.15	24.25	24.23
EDGE(GMSK 1 Tx slot)		32.10	32.13	32.18	33.50	23.10	23.13	23.18
EDGE(GMSK 2 Tx slots)		30.55	30.56	30.66	31.50	24.55	24.56	24.66
EDGE(GMSK 3 Tx slots)		28.61	28.69	28.73	29.50	24.35	24.43	24.47
EDGE(GMSK 4 Tx slots)		27.03	27.03	27.17	28.00	24.03	24.03	24.17
EDGE 1 Tx slot		26.81	26.76	26.73	27.50	17.81	17.76	17.73
EDGE 2 Tx slots		24.57	24.68	24.45	25.50	18.57	18.68	18.45
EDGE 3 Tx slots		22.52	22.43	22.26	23.50	18.26	18.17	18.00
EDGE 4 Tx slots		20.67	20.91	20.65	22.00	17.67	17.91	17.65

GSM1900_Art 13		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	Tune-up Limit (dBm)
GSM 1 Tx slot		28.93	29.10	28.98	30.50	19.93	20.10	19.98
GPRS 1 Tx slot		28.90	29.07	28.96	30.50	19.90	20.07	19.96
GPRS 2 Tx slots		27.62	27.64	27.46	28.50	21.62	21.64	21.45
GPRS 3 Tx slots		25.58	25.62	25.41	26.50	21.32	21.36	21.15
GPRS 4 Tx slots		24.14	24.16	23.91	25.00	21.14	21.16	20.91
EDGE(GMSK 1 Tx slot)		29.06	29.06	28.99	30.50	20.06	20.06	19.99
EDGE(GMSK 2 Tx slots)		27.85	27.79	27.62	28.50	21.85	21.79	21.62
EDGE(GMSK 3 Tx slots)		25.67	25.88	25.67	26.50	21.71	21.62	21.41
EDGE(GMSK 4 Tx slots)		24.30	24.44	24.20	25.00	21.50	21.44	21.20
EDGE 1 Tx slot		26.41	26.32	26.25	26.50	17.41	17.32	17.25
EDGE 2 Tx slots		24.47	24.21	24.15	24.50	18.47	18.21	18.15
EDGE 3 Tx slots		22.33	22.04	21.84	22.50	18.07	17.78	17.58
EDGE 4 Tx slots		20.27	20.22	19.92	21.00	17.27	17.22	16.92

Band		WCDMA 8_Art 13			Tune-up Limit (dBm)	WCDMA 4_Art 13			Tune-up Limit (dBm)
TX Channel		9282	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1752.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.43	22.51	22.50	23.80	22.37	22.80	22.50	23.80
3GPP Rel 99	RM-C 12.2Kbps	22.46	22.53	22.52	23.80	22.38	22.83	22.80	23.80
3GPP Rel 6	HSDPA Subtest-1	21.70	21.72	21.65	22.80	21.69	21.98	21.90	22.80
3GPP Rel 6	HSDPA Subtest-2	21.89	21.72	21.57	22.80	21.70	21.90	21.78	22.80
3GPP Rel 6	HSDPA Subtest-3	21.23	21.22	21.07	22.30	21.23	21.40	21.31	22.30
3GPP Rel 6	HSDPA Subtest-4	21.18	21.20	21.07	22.30	21.25	21.32	21.29	22.30
3GPP Rel 6	HSUPA Subtest-1	20.61	20.49	20.50	20.80	20.58	20.61	20.60	20.80
3GPP Rel 6	HSUPA Subtest-2	20.84	20.50	20.46	20.80	20.50	20.63	20.62	20.80
3GPP Rel 6	HSUPA Subtest-3	21.07	21.54	21.54	21.80	21.57	21.84	21.69	21.80
3GPP Rel 6	HSUPA Subtest-4	20.17	20.09	20.01	20.30	20.06	20.17	20.30	20.80
3GPP Rel 6	HSUPA Subtest-5	21.60	21.70	21.50	21.80	21.50	21.60	21.70	21.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.43	20.32	20.35	20.80	20.42	20.45	20.40	20.80

Band		WCDMA V_Art 13			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.92	22.95	22.85	24.00
3GPP Rel 99	RM-C 12.2Kbps	22.94	22.97	22.87	24.00
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.90	23.00
3GPP Rel 6	HSDPA Subtest-2	21.94	21.96	21.84	23.00
3GPP Rel 6	HSDPA Subtest-3	21.46	21.53	21.41	22.50
3GPP Rel 6	HSDPA Subtest-4	21.44	21.47	21.36	22.50
3GPP Rel 6	HSUPA Subtest-1	20.63	20.78	20.72	21.00
3GPP Rel 6	HSUPA Subtest-2	20.75	20.78	20.73	21.00
3GPP Rel 6	HSUPA Subtest-3	21.72	21.75	21.77	22.00
3GPP Rel 6	HSUPA Subtest-4	20.33	20.36	20.26	20.50
3GPP Rel 6	HSUPA Subtest-5	21.73	21.80	21.70	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.55	20.68	20.62	21.00

Band 2_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.44	22.39	22.29	23.5	0		
20	QPSK	1	49	22.46	22.53	22.38				
20	QPSK	1	99	22.33	22.54	22.29				
20	QPSK	50	0	21.45	21.51	21.39	22.5	1		
20	QPSK	50	24	21.46	21.52	21.41				
20	QPSK	50	50	21.39	21.35	21.38				
20	QPSK	100	0	21.34	21.34	21.47	22.5	1		
20	16QAM	1	0	21.65	21.63	21.53				
20	16QAM	1	49	21.73	21.70	21.60				
20	16QAM	1	99	21.57	21.57	21.46	21.5	2		
20	16QAM	50	0	20.41	20.45	20.39				
20	16QAM	50	24	20.49	20.44	20.41				
20	16QAM	50	50	20.36	20.32	20.36	21.5	2		
20	16QAM	100	0	20.38	20.37	20.38				
20	64QAM	1	0	20.51	20.48	20.38				
20	64QAM	1	49	20.61	20.58	20.47	21.5	2		
20	64QAM	1	99	20.43	20.34	20.34				
20	64QAM	50	0	19.38	19.44	19.39				
20	64QAM	50	24	19.48	19.40	19.38	20.5	3		
20	64QAM	50	50	19.33	19.30	19.31				
20	64QAM	100	0	19.36	19.35	19.32				
Channel				18675	18900	19025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	21.96	21.96	22.08	23.5	0		
15	QPSK	1	37	21.98	22.15	22.20				
15	QPSK	1	74	21.96	22.05	22.20				
15	QPSK	36	0	21.00	20.99	21.05	22.5	1		
15	QPSK	36	20	20.97	21.01	21.04				
15	QPSK	36	39	20.98	20.96	21.07				
15	QPSK	75	0	20.96	20.97	21.07	22.5	1		
15	16QAM	1	0	21.37	21.55	21.17				
15	16QAM	1	37	21.44	21.53	21.52				
15	16QAM	1	74	21.35	21.35	21.43	21.5	2		
15	16QAM	36	0	19.94	20.04	20.07				
15	16QAM	36	20	20.01	20.02	20.11				
15	16QAM	36	39	19.87	20.03	20.12	21.5	2		
15	16QAM	75	0	19.97	19.95	20.01				
15	64QAM	1	0	20.27	20.22	19.97				
15	64QAM	1	37	20.36	20.30	20.08	21.5	2		
15	64QAM	1	74	20.22	19.70	19.98				
15	64QAM	36	0	19.01	19.01	18.96				
15	64QAM	36	20	19.05	19.09	19.04	20.5	3		
15	64QAM	36	39	18.91	19.00	19.05				
15	64QAM	75	0	18.95	18.99	19.00				
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18855	1880	1905				
10	QPSK	1	0	22.01	21.95	22.10	23.5	0		
10	QPSK	1	25	22.00	22.01	22.22				
10	QPSK	1	49	22.00	21.93	22.19				
10	QPSK	25	0	21.01	21.02	21.11	22.5	1		
10	QPSK	25	12	21.07	21.04	21.13				
10	QPSK	25	25	21.01	20.94	21.11				
10	QPSK	50	0	21.04	20.99	21.04	22.5	1		
10	16QAM	1	0	21.27	21.21	21.49				
10	16QAM	1	25	21.24	21.37	21.48				
10	16QAM	1	49	21.24	21.23	21.39	21.5	2		
10	16QAM	25	0	20.05	19.98	20.07				
10	16QAM	25	12	20.07	20.01	20.09				
10	16QAM	25	25	20.04	19.97	20.06	21.5	2		
10	16QAM	50	0	20.03	20.00	19.99				
10	64QAM	1	0	20.06	20.06	20.34				
10	64QAM	1	25	20.01	20.09	20.37	21.5	2		
10	64QAM	1	49	19.95	19.98	20.24				
10	64QAM	25	0	19.05	18.97	19.02				
10	64QAM	25	12	18.96	18.92	19.05	20.5	3		
10	64QAM	25	25	18.86	18.94	19.07				
10	64QAM	50	0	18.97	18.93	19.01				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	22.09	22.01	22.16	23.5	0		
5	QPSK	1	12	22.17	22.05	22.08				
5	QPSK	1	24	21.99	21.99	22.14				
5	QPSK	12	0	21.03	21.04	21.11	22.5	1		
5	QPSK	12	7	21.04	21.01	21.12				
5	QPSK	12	13	21.00	20.98	21.08				
5	QPSK	25	0	21.03	21.05	21.16	22.5	1		
5	16QAM	1	0	21.10	21.06	21.15				
5	16QAM	1	12	21.01	21.08	21.26				
5	16QAM	1	24	20.99	21.01	21.13	21.5	2		
5	16QAM	12	0	20.08	19.99	20.08				
5	16QAM	12	7	19.99	19.96	20.12				
5	16QAM	12	13	19.91	19.91	20.06	21.5	2		
5	16QAM	25	0	19.97	20.03	20.06				
5	64QAM	1	0	20.12	19.94	20.32				
5	64QAM	1	12	20.27	20.03	20.34	21.5	2		
5	64QAM	1	24	20.00	19.99	20.31				
5	64QAM	12	0	18.94	18.92	19.12				
5	64QAM	12	7	18.90	19.00	19.15	20.5	3		
5	64QAM	12	13	18.91	18.89	19.12				
5	64QAM	25	0	18.96	19.01	19.00				
Channel				18915	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18915.5	1880	1908.5				
3	QPSK	1	0	22.12	21.95	22.09	23.5	0		
3	QPSK	1	8	22.03	22.00	22.09				
3	QPSK	1	14	21.97	21.97	22.05				
3	QPSK	8	0	21.01	21.02	21.08	22.5	1		
3	QPSK	8	4	21.03	21.00	21.14				
3	QPSK	8	7	20.99	20.98	21.07				
3	QPSK	15	0	21.02	20.97	21.12	22.5	1		
3	16QAM	1	0	21.23	21.22	21.30				
3	16QAM	1	8	21.33	21.18	21.37				
3	16QAM	1	14	21.14	21.18	21.34	21.5	2		
3	16QAM	8	0	20.09	20.08	20.03				
3	16QAM	8	4	20.09	19.97	20.02				
3	16QAM	8	7	20.00	20.00	20.01	21.5	2		
3	16QAM	15	0	20.02	19.97	20.11				
3	64QAM	1	0	20.05	20.05	20.28				
3	64QAM	1	8	20.05	20.05	20.34	21.5	2		
3	64QAM	1	14	19.96	19.99	20.33				
3	64QAM	8	0	18.95	18.91	19.12				
3	64QAM	8	4	18.95	18.96	19.03				
3	64QAM	8	7	18.96	18.94	19.12				
3	64QAM	15	0	19.02	18.85	19.07				
Channel				18607	18900	19093	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	21.90	21.90	21.97	23.5	0		
1.4	QPSK	1	3	21.88	21.94	21.97				
1.4	QPSK	1	6	21.89	21.91	22.00				
1.4	QPSK	3	0	22.00	22.01	22.14	22.5	1		
1.4	QPSK	3	1	22.03	22.03	22.14				
1.4	QPSK	3	3	21.98	21.99	22.17				
1.4	QPSK	6	0	21.08	21.07	21.19	22.5	1		
1.4	16QAM	1	0	20.90	20.92	21.11				
1.4	16QAM	1	3	20.89	21.04	21.11				
1.4	16QAM	1	5	20.92	21.03	21.08	22.5	1		
1.4	16QAM	3	0	21.15	20.81	21.18				
1.4	16QAM	3	1	21.09	20.88	21.22				
1.4	16QAM	3	3	21.07	21.02	21.20	21.5	2		
1.4	16QAM	6	0	20.05	20.09	20.21				
1.4	64QAM	1	0	20.32	20.03	20.29				
1.4	64QAM	1	3	20.29	19.91	20.38	21.5	2		
1.4	64QAM	1	5	20.26	20.04	20.34				
1.4	64QAM	3	0	20.10	20.04	20.27				
1.4	64QAM	3	1	20.33	20.07	20.15	20.5	3		
1.4	64QAM	3	3	20.28	19.99	20.16				
1.4	64QAM	6	0	19.00	18.92	19.01				

Band 7_Ant 13									
BW [MHz]	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	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.52	21.47	21.56			
20	QPSK	1	49	21.61	21.96	21.80			
20	QPSK	1	99	21.50	21.60	21.73	22	1	
20	QPSK	50	0	20.48	20.60	20.82			
20	QPSK	50	24	20.70	20.80	20.96			
20	QPSK	50	50	20.54	20.68	20.85			
20	QPSK	100	0	20.48	20.87	20.83	22	1	
20	16QAM	1	0	20.60	20.74	20.84			
20	16QAM	1	49	20.83	20.95	21.05			
20	16QAM	1	99	20.75	20.82	20.93			
20	16QAM	50	0	19.47	19.61	19.78	21	2	
20	16QAM	50	24	19.58	19.65	19.79			
20	16QAM	50	50	19.57	19.65	19.93			
20	16QAM	100	0	19.46	19.61	19.84			
20	64QAM	1	0	19.50	19.58	19.66	21	2	
20	64QAM	1	49	19.74	19.81	19.87			
20	64QAM	1	99	19.62	19.68	19.80			
20	64QAM	50	0	18.44	18.54	18.76			
20	64QAM	50	24	18.56	18.66	18.78	20	3	
20	64QAM	50	50	18.52	18.66	18.91			
20	64QAM	100	0	18.47	18.59	18.83			
Channel				20925	21100	21375	23	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.82	21.88	21.87			
15	QPSK	1	37	21.82	21.86	21.84			
15	QPSK	1	74	21.85	21.95	21.89	22	1	
15	QPSK	36	0	20.59	20.75	20.78			
15	QPSK	36	20	20.70	20.75	20.80			
15	QPSK	36	39	20.68	20.77	20.85			
15	QPSK	75	0	20.66	20.81	20.84	22	1	
15	16QAM	1	0	21.13	20.97	20.92			
15	16QAM	1	37	21.16	21.00	21.06			
15	16QAM	1	74	21.22	20.98	21.00			
15	16QAM	36	0	19.70	19.72	19.74	21	2	
15	16QAM	36	20	19.70	19.78	19.78			
15	16QAM	36	39	19.68	19.80	19.84			
15	16QAM	75	0	19.66	19.79	19.86			
15	64QAM	1	0	19.56	19.72	19.67	21	2	
15	64QAM	1	37	19.79	19.82	19.99			
15	64QAM	1	74	19.70	20.02	19.74			
15	64QAM	36	0	18.61	18.70	18.77			
15	64QAM	36	20	18.64	18.78	18.83	20	3	
15	64QAM	36	39	18.64	18.71	18.92			
15	64QAM	75	0	18.68	18.76	18.77			
Channel				20800	21100	21400	23	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.67	21.75	21.72			
10	QPSK	1	25	21.65	21.94	21.73			
10	QPSK	1	49	21.65	21.85	21.75	22	1	
10	QPSK	25	0	20.63	20.75	20.70			
10	QPSK	25	12	20.70	20.77	20.80			
10	QPSK	25	25	20.68	20.82	20.80			
10	QPSK	50	0	20.69	20.82	20.76	22	1	
10	16QAM	1	0	20.85	21.14	21.16			
10	16QAM	1	25	20.95	21.21	21.30			
10	16QAM	1	49	21.04	21.19	21.23			
10	16QAM	25	0	19.62	19.70	19.64	21	2	
10	16QAM	25	12	19.64	19.70	19.70			
10	16QAM	25	25	19.66	19.77	19.80			
10	16QAM	50	0	19.66	19.79	19.76			
10	64QAM	1	0	19.53	20.06	19.83	21	2	
10	64QAM	1	25	20.00	20.14	20.05			
10	64QAM	1	49	19.99	20.05	19.98			
10	64QAM	25	0	18.61	18.75	18.67			
10	64QAM	25	12	18.65	18.70	18.74	20	3	
10	64QAM	25	25	18.69	18.77	18.82			
10	64QAM	50	0	18.63	18.75	18.71			
Channel				20775	21100	21425	23	0	
Frequency (MHz)				2502.5	2533	2567.5			
5	QPSK	1	0	21.69	21.73	21.72			
5	QPSK	1	12	21.76	21.79	21.90			
5	QPSK	1	24	21.64	21.76	21.78	22	1	
5	QPSK	12	0	20.72	20.79	20.82			
5	QPSK	12	7	20.68	20.75	20.82			
5	QPSK	12	13	20.72	20.77	20.83			
5	QPSK	25	0	20.72	20.73	20.81	22	1	
5	16QAM	1	0	20.73	20.84	20.81			
5	16QAM	1	12	20.77	20.89	20.97			
5	16QAM	1	24	20.77	20.86	20.88			
5	16QAM	12	0	19.65	19.75	19.84	21	2	
5	16QAM	12	7	19.60	19.74	19.84			
5	16QAM	12	13	19.69	19.71	19.74			
5	16QAM	25	0	19.72	19.72	19.81			
5	64QAM	1	0	19.67	19.98	20.09	21	2	
5	64QAM	1	12	19.68	19.98	20.13			
5	64QAM	1	24	19.92	19.96	20.09			
5	64QAM	12	0	18.67	18.81	18.72			
5	64QAM	12	7	18.66	18.77	18.82	20	3	
5	64QAM	12	13	18.62	18.79	18.76			
5	64QAM	25	0	18.58	18.67	18.81			

Band 12_Ant 13									
BW (MHz)	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	23.30	23.29	23.32			
10	QPSK	1	25	23.42	23.45	23.41			
10	QPSK	1	49	23.41	23.40	23.37	23.5	1	
10	QPSK	25	0	22.34	22.35	22.22			
10	QPSK	25	12	22.39	22.48	22.35			
10	QPSK	25	25	22.37	22.41	22.24			
10	QPSK	50	0	22.34	22.47	22.25	23.5	1	
10	16QAM	1	0	22.53	22.53	22.55			
10	16QAM	1	25	22.61	22.66	22.60			
10	16QAM	1	49	22.66	22.58	22.58			
10	16QAM	25	0	21.35	21.39	21.22	22.5	2	
10	16QAM	25	12	21.36	21.37	21.35			
10	16QAM	25	25	21.35	21.55	21.24			
10	16QAM	50	0	21.40	21.46	21.21			
10	64QAM	1	0	21.40	21.39	21.47	22.5	2	
10	64QAM	1	25	21.47	21.51	21.47			
10	64QAM	1	49	21.52	21.48	21.48			
10	64QAM	25	0	20.50	20.52	20.39			
10	64QAM	25	12	20.50	20.55	20.51	21.5	3	
10	64QAM	25	25	20.49	20.70	20.39			
10	64QAM	50	0	20.52	20.61	20.39			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.31	23.37	23.24			
5	QPSK	1	12	23.38	23.40	23.25			
5	QPSK	1	24	23.32	23.42	23.24	23.5	1	
5	QPSK	12	0	22.33	22.34	22.36			
5	QPSK	12	7	22.42	22.37	22.34			
5	QPSK	12	13	22.36	22.45	22.14			
5	QPSK	25	0	22.32	22.39	22.31	23.5	1	
5	16QAM	1	0	22.55	22.55	22.56			
5	16QAM	1	12	22.64	22.70	22.51			
5	16QAM	1	24	22.66	22.66	22.57	22.5	2	
5	16QAM	12	0	21.34	21.36	21.27			
5	16QAM	12	7	21.37	21.44	21.27			
5	16QAM	12	13	21.33	21.41	21.08	22.5	2	
5	16QAM	25	0	21.35	21.46	21.08			
5	64QAM	1	0	21.36	21.40	21.20			
5	64QAM	1	12	21.41	21.48	21.27	22.5	2	
5	64QAM	1	24	21.48	21.51	21.27			
5	64QAM	12	0	20.47	20.51	20.41			
5	64QAM	12	7	20.52	20.56	20.41	21.5	3	
5	64QAM	12	13	20.52	20.60	20.30			
5	64QAM	25	0	20.52	20.52	20.34			
Channel				23025	23095	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.36	23.39	23.15			
3	QPSK	1	8	23.32	23.31	23.17			
3	QPSK	1	14	23.39	23.41	23.17	23.5	1	
3	QPSK	8	0	22.33	22.35	22.30			
3	QPSK	8	4	22.41	22.40	22.28			
3	QPSK	8	7	22.37	22.36	22.27			
3	QPSK	15	0	22.31	22.37	22.31	23.5	1	
3	16QAM	1	0	22.34	22.33	22.32			
3	16QAM	1	8	22.45	22.37	22.39			
3	16QAM	1	14	22.43	22.43	22.60	22.5	2	
3	16QAM	8	0	21.36	21.36	21.17			
3	16QAM	8	4	21.44	21.35	21.17			
3	16QAM	8	7	21.39	21.50	21.37	22.5	2	
3	16QAM	15	0	21.26	21.37	21.35			
3	16QAM	1	0	21.33	21.60	21.49			
3	64QAM	1	8	21.37	21.68	21.53	22.5	2	
3	64QAM	1	14	21.41	21.66	21.54			
3	64QAM	8	0	20.54	20.61	20.51			
3	64QAM	8	4	20.54	20.60	20.50	21.5	3	
3	64QAM	8	7	20.51	20.60	20.46			
3	64QAM	15	0	20.51	20.44	20.44			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.42	23.36	23.43			
1.4	QPSK	1	3	23.43	23.34	23.43			
1.4	QPSK	1	5	23.32	23.30	23.33	24.5	0	
1.4	QPSK	3	1	23.40	23.28	23.29			
1.4	QPSK	3	1	23.36	23.32	23.31			
1.4	QPSK	3	3	23.30	23.36	23.31			
1.4	QPSK	6	0	22.43	22.38	22.23	23.5	1	
1.4	16QAM	1	3	22.94	22.94	22.92			
1.4	16QAM	1	3	22.92	22.95	22.92			
1.4	16QAM	1	5	22.87	22.64	22.48	23.5	1	
1.4	16QAM	3	0	22.36	22.31	22.31			
1.4	16QAM	3	1	22.39	22.42	22.36			
1.4	16QAM	3	3	22.42	22.36	22.37	22.5	2	
1.4	16QAM	6	0	21.46	21.44	21.33			
1.4	64QAM	1	0	21.39	21.45	21.27			
1.4	64QAM	1	3	21.40	21.49	21.25	22.5	2	
1.4	64QAM	1	3	21.46	21.46	21.51			
1.4	64QAM	3	0	21.26	21.57	21.11			
1.4	64QAM	3	1	21.36	21.57	21.12			
1.4	64QAM	3	3	21.44	21.50	21.38	21.5	3	
1.4	64QAM	6	0	20.48	20.48	20.34			

Band 38_Ant 13									
BW [MHz]	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	23.4	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.27	22.27	22.19			
20	QPSK	1	49	22.45	22.43	22.39			
20	QPSK	1	99	22.28	22.30	22.28	22.4	1	
20	QPSK	50	0	21.46	21.47	21.38			
20	QPSK	50	24	21.53	21.51	21.45			
20	QPSK	50	50	21.46	21.49	21.41			
20	QPSK	100	0	21.49	21.42	21.41	22.4	1	
20	16QAM	1	0	21.53	21.50	21.48			
20	16QAM	1	49	21.72	21.69	21.64			
20	16QAM	1	99	21.50	21.63	21.47			
20	16QAM	50	0	20.49	20.48	20.42	21.4	2	
20	16QAM	50	24	20.49	20.52	20.49			
20	16QAM	50	50	20.42	20.51	20.45			
20	16QAM	100	0	20.43	20.47	20.38			
20	64QAM	1	0	20.35	20.34	20.29	21.4	2	
20	64QAM	1	49	20.46	20.53	20.43			
20	64QAM	1	99	20.36	20.42	20.33			
20	64QAM	50	0	19.46	19.42	19.40			
20	64QAM	50	24	19.44	19.51	19.38	20.4	3	
20	64QAM	50	50	19.40	19.48	19.38			
20	64QAM	50	100	19.40	19.47	19.40			
20	64QAM	100	0	19.40	19.47	19.40			
Channel				37825	38000	38175	23.4	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.41	22.43	22.33			
15	QPSK	1	37	22.42	22.44	22.36			
15	QPSK	1	74	22.37	22.39	22.42	22.4	1	
15	QPSK	36	0	21.49	21.43	21.44			
15	QPSK	36	20	21.48	21.45	21.40			
15	QPSK	36	39	21.50	21.46	21.37			
15	QPSK	75	0	21.51	21.48	21.44	22.4	1	
15	16QAM	1	0	21.58	21.59	21.45			
15	16QAM	1	37	21.66	21.63	21.60			
15	16QAM	1	74	21.72	21.61	21.55			
15	16QAM	36	0	20.46	20.46	20.39	21.4	2	
15	16QAM	36	20	20.45	20.48	20.35			
15	16QAM	36	39	20.49	20.44	20.39			
15	16QAM	75	0	20.56	20.47	20.45			
15	64QAM	1	0	20.45	20.43	20.33	21.4	2	
15	64QAM	1	37	20.54	20.48	20.48			
15	64QAM	1	74	20.54	20.41	20.38			
15	64QAM	36	0	19.46	19.45	19.40			
15	64QAM	36	20	19.45	19.44	19.39	20.4	3	
15	64QAM	36	39	19.47	19.44	19.40			
15	64QAM	75	0	19.51	19.43	19.45			
Channel				37800	38000	38200	23.4	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.38	22.40	22.31			
10	QPSK	1	25	22.44	22.42	22.39			
10	QPSK	1	49	22.42	22.37	22.35	22.4	1	
10	QPSK	25	0	21.54	21.51	21.43			
10	QPSK	25	12	21.56	21.51	21.46			
10	QPSK	25	25	21.52	21.42	21.48			
10	QPSK	50	0	21.56	21.52	21.49	22.4	1	
10	16QAM	1	0	21.65	21.63	21.56			
10	16QAM	1	25	21.66	21.64	21.56			
10	16QAM	1	49	21.67	21.62	21.57			
10	16QAM	25	0	20.57	20.58	20.48	21.4	2	
10	16QAM	25	12	20.55	20.50	20.46			
10	16QAM	25	25	20.39	20.52	20.46			
10	16QAM	50	0	20.51	20.50	20.48			
10	64QAM	1	0	20.46	20.49	20.43	21.4	2	
10	64QAM	1	25	20.48	20.49	20.53			
10	64QAM	1	49	20.48	20.47	20.43			
10	64QAM	25	0	19.58	19.58	19.51			
10	64QAM	25	12	19.57	19.51	19.51	20.4	3	
10	64QAM	25	25	19.53	19.54	19.55			
10	64QAM	50	0	19.48	19.49	19.46			
Channel				37775	38000	38225	23.4	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.44	22.38	22.33			
5	QPSK	1	12	22.42	22.44	22.36			
5	QPSK	1	24	22.44	22.40	22.39	22.4	1	
5	QPSK	12	0	21.54	21.54	21.44			
5	QPSK	12	7	21.52	21.48	21.44			
5	QPSK	12	13	21.47	21.50	21.47			
5	QPSK	25	0	21.56	21.57	21.53	22.4	1	
5	16QAM	1	0	21.57	21.62	21.56			
5	16QAM	1	12	21.69	21.63	21.56			
5	16QAM	1	24	21.63	21.62	21.56			
5	16QAM	12	0	20.56	20.52	20.47	21.4	2	
5	16QAM	12	7	20.54	20.45	20.45			
5	16QAM	12	13	20.52	20.47	20.44			
5	16QAM	25	0	20.59	20.54	20.51			
5	64QAM	1	0	20.51	20.51	20.45	21.4	2	
5	64QAM	1	12	20.66	20.60	20.45			
5	64QAM	1	24	20.49	20.52	20.46			
5	64QAM	12	0	19.54	19.53	19.45			
5	64QAM	12	7	19.54	19.47	19.46	20.4	3	
5	64QAM	12	13	19.48	19.49	19.46			
5	64QAM	25	0	19.52	19.54	19.52			

Band 41_Ant 13												
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	23.4	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.01	22.09	22.35	22.19	22.17				
20	QPSK	1	49	22.18	22.29	22.47	22.36	22.31				
20	QPSK	1	99	22.11	22.21	22.31	22.21	22.19	22.4	1		
20	QPSK	50	0	21.13	21.32	21.48	21.41	21.38				
20	QPSK	50	24	21.31	21.42	21.55	21.51	21.46				
20	QPSK	50	50	21.28	21.38	21.54	21.46	21.41				
20	QPSK	100	0	21.25	21.36	21.53	21.39	21.36	22.4	1		
20	16QAM	1	0	21.29	21.33	21.51	21.43	21.42				
20	16QAM	1	49	21.49	21.58	21.72	21.62	21.60				
20	16QAM	1	99	21.39	21.54	21.54	21.57	21.42				
20	16QAM	50	0	20.18	20.34	20.52	20.43	20.38	21.4	2		
20	16QAM	50	24	20.28	20.42	20.56	20.48	20.44				
20	16QAM	50	50	20.37	20.37	20.51	20.44	20.39				
20	16QAM	100	0	20.24	20.36	20.49	20.40	20.40				
20	64QAM	1	0	20.10	20.21	20.36	20.30	20.26	21.4	2		
20	64QAM	1	49	20.28	20.42	20.52	20.42	20.46				
20	64QAM	1	99	20.20	20.28	20.38	20.35	20.24				
20	64QAM	50	0	19.14	19.32	19.46	19.35	19.38				
20	64QAM	50	24	19.27	19.37	19.52	19.43	19.42	20.4	3		
20	64QAM	50	50	19.30	19.34	19.47	19.40	19.39				
20	64QAM	50	100	19.26	19.31	19.50	19.38	19.34				
20	64QAM	100	0	19.26	19.31	19.50	19.38	19.34				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23.4	0		
15	QPSK	1	0	22.29	22.42	22.43	22.31	22.18				
15	QPSK	1	37	22.46	22.44	22.41	22.34	22.31				
15	QPSK	1	74	22.40	22.46	22.44	22.34	22.23				
15	QPSK	36	0	21.35	21.44	21.47	21.38	21.29	22.4	1		
15	QPSK	36	20	21.38	21.43	21.48	21.39	21.17				
15	QPSK	36	39	21.39	21.43	21.49	21.37	21.22				
15	QPSK	75	0	21.42	21.48	21.53	21.39	21.28				
15	16QAM	1	0	21.44	21.53	21.61	21.47	21.32	22.4	1		
15	16QAM	1	37	21.60	21.73	21.68	21.56	21.40				
15	16QAM	1	74	21.53	21.62	21.60	21.46	21.31				
15	16QAM	36	0	20.31	20.41	20.46	20.34	20.27				
15	16QAM	36	20	20.40	20.41	20.47	20.36	20.26	21.4	2		
15	16QAM	36	39	20.38	20.45	20.46	20.25	20.26				
15	16QAM	75	0	20.37	20.44	20.54	20.44	20.35				
15	64QAM	1	0	20.34	20.39	20.49	20.31	20.16				
15	64QAM	1	37	20.41	20.53	20.55	20.43	20.24	21.4	2		
15	64QAM	1	74	20.38	20.44	20.46	20.34	20.27				
15	64QAM	36	0	19.30	19.40	19.47	19.34	19.29				
15	64QAM	36	20	19.39	19.44	19.46	19.38	19.24				
15	64QAM	36	39	19.35	19.44	19.46	19.35	19.23	20.4	3		
15	64QAM	75	0	19.36	19.40	19.51	19.38	19.23				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685			23.4	0
10	QPSK	1	0	22.27	22.35	22.42	22.31	22.19				
10	QPSK	1	25	22.40	22.34	22.42	22.34	22.20				
10	QPSK	1	49	22.31	22.31	22.43	22.30	22.17				
10	QPSK	25	0	21.35	21.46	21.50	21.47	21.30	22.4	1		
10	QPSK	25	12	21.39	21.45	21.54	21.42	21.30				
10	QPSK	25	25	21.39	21.46	21.51	21.42	21.30				
10	QPSK	50	0	21.42	21.44	21.56	21.42	21.31				
10	16QAM	1	0	21.48	21.58	21.59	21.53	21.43	22.4	1		
10	16QAM	1	25	21.57	21.60	21.70	21.59	21.46				
10	16QAM	1	49	21.56	21.63	21.71	21.49	21.33				
10	16QAM	25	0	20.37	20.48	20.56	20.45	20.35				
10	16QAM	25	12	20.43	20.51	20.54	20.49	20.42	21.4	2		
10	16QAM	25	25	20.46	20.50	20.54	20.45	20.29				
10	16QAM	50	0	20.41	20.50	20.60	20.43	20.28				
10	64QAM	1	0	20.32	20.43	20.51	20.39	20.24				
10	64QAM	1	25	20.40	20.54	20.53	20.41	20.28	21.4	2		
10	64QAM	1	49	20.36	20.45	20.46	20.34	20.25				
10	64QAM	25	0	19.41	19.51	19.56	19.51	19.39				
10	64QAM	25	12	19.45	19.50	19.55	19.45	19.37				
10	64QAM	25	25	19.46	19.50	19.56	19.46	19.33	20.4	3		
10	64QAM	50	0	19.33	19.43	19.51	19.44	19.27				
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2687.5			23.4	0
5	QPSK	1	0	22.32	22.38	22.44	22.29	22.20				
5	QPSK	1	12	22.41	22.36	22.34	22.32	22.24				
5	QPSK	1	24	22.37	22.46	22.42	22.33	22.21				
5	QPSK	12	0	21.41	21.49	21.53	21.47	21.32	22.4	1		
5	QPSK	12	7	21.40	21.49	21.49	21.41	21.26				
5	QPSK	12	13	21.39	21.44	21.45	21.35	21.25				
5	QPSK	25	0	21.43	21.49	21.52	21.41	21.33				
5	16QAM	1	0	21.51	21.60	21.64	21.56	21.41	22.4	1		
5	16QAM	1	12	21.54	21.65	21.64	21.53	21.45				
5	16QAM	1	24	21.57	21.63	21.65	21.62	21.43				
5	16QAM	12	0	20.40	20.45	20.51	20.39	20.37				
5	16QAM	12	7	20.36	20.48	20.50	20.42	20.33	21.4	2		
5	16QAM	12	13	20.37	20.44	20.47	20.40	20.27				
5	16QAM	25	0	20.42	20.53	20.54	20.45	20.34				
5	64QAM	1	0	20.42	20.49	20.55	20.42	20.23				
5	64QAM	1	12	20.37	20.53	20.62	20.45	20.37	21.4	2		
5	64QAM	1	24	20.45	20.51	20.55	20.45	20.30				
5	64QAM	12	0	19.41	19.50	19.51	19.47	19.35				
5	64QAM	12	7	19.44	19.48	19.58	19.40	19.32				
5	64QAM	12	13	19.42	19.46	19.50	19.37	19.29	20.4	3		
5	64QAM	25	0	19.44	19.51	19.55	19.46	19.36				

Reduced Power Mode for DSI5

GSM850_Ant 13				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				128	189	251		128	189	251	
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.33	32.36	32.30	33.50	23.33	23.36	23.30	24.50			
GPRS 1 Tx slot	32.31	32.35	32.28	33.50	23.31	23.35	23.28	24.50			
GPRS 2 Tx slots	30.58	30.66	30.63	31.50	24.58	24.66	24.63	25.50			
GPRS 3 Tx slots	28.73	28.82	28.80	29.50	24.47	24.56	24.54	25.24			
GPRS 4 Tx slots	27.15	27.25	27.23	28.00	24.15	24.25	24.23	25.00			
EDGE(GMSK 1 Tx slot)	32.10	32.13	32.18	33.50	23.10	23.13	23.18	24.50			
EDGE(GMSK 2 Tx slots)	30.55	30.56	30.66	31.50	24.55	24.56	24.66	25.50			
EDGE(GMSK 3 Tx slots)	28.61	28.69	28.73	29.50	24.35	24.43	24.47	25.24			
EDGE(GMSK 4 Tx slots)	27.03	27.03	27.17	28.00	24.03	24.03	24.17	25.00			
EDGE 1 Tx slot	26.81	26.76	26.73	27.50	17.81	17.76	17.73	18.50			
EDGE 2 Tx slots	24.57	24.68	24.45	25.50	18.57	18.68	18.45	19.50			
EDGE 3 Tx slots	22.52	22.43	22.26	23.50	18.26	18.17	18.00	19.24			
EDGE 4 Tx slots	20.87	20.91	20.65	22.00	17.87	17.91	17.65	19.00			

GSM1900_Ant 13				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	28.93	29.10	28.98	30.50	19.93	20.10	19.98	21.50			
GPRS 1 Tx slot	28.50	29.07	28.96	30.50	19.50	20.07	19.96	21.50			
GPRS 2 Tx slots	26.50	26.93	26.75	27.50	20.90	20.93	20.75	21.50			
GPRS 3 Tx slots	24.95	24.98	24.73	25.50	20.69	20.72	20.47	21.24			
GPRS 4 Tx slots	23.45	23.47	23.23	24.00	20.45	20.47	20.23	21.00			
EDGE(GMSK 1 Tx slot)	29.06	29.06	28.99	30.50	20.06	20.06	19.99	21.50			
EDGE(GMSK 2 Tx slots)	26.95	27.02	26.82	27.50	20.95	21.02	20.82	21.50			
EDGE(GMSK 3 Tx slots)	25.02	25.05	24.80	25.50	20.76	20.79	20.54	21.24			
EDGE(GMSK 4 Tx slots)	23.54	23.55	23.31	24.00	20.54	20.55	20.31	21.00			
EDGE 1 Tx slot	26.41	26.32	26.25	26.50	17.41	17.32	17.25	17.50			
EDGE 2 Tx slots	24.47	24.21	24.15	24.50	18.47	18.21	18.15	18.50			
EDGE 3 Tx slots	22.33	22.04	21.84	22.50	18.07	17.78	17.58	18.24			
EDGE 4 Tx slots	20.27	20.22	19.92	21.00	17.27	17.22	16.92	18.00			

Band				WCDMA I_Ant 13				WCDMA I_Ant 31			
TX Channel				9262	9400	9538		9262	9400	9538	
Rx Channel				9662	9800	9938		9662	9800	9938	
Frequency (MHz)				1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.23	20.27	20.10	21.30	21.34	21.39	21.27	22.20		
3GPP Rel 99	RMDC 12.2Kbps	20.26	20.28	20.12	21.30	21.37	21.41	21.28	22.20		
3GPP Rel 6	HSDPA Subtest-1	19.25	19.35	19.10	20.30	20.33	20.37	20.36	21.20		
3GPP Rel 6	HSDPA Subtest-2	19.26	19.21	19.10	20.30	20.33	20.35	20.23	21.20		
3GPP Rel 6	HSDPA Subtest-3	18.78	18.78	18.60	19.80	19.89	19.90	19.77	20.70		
3GPP Rel 6	HSDPA Subtest-4	18.75	18.74	18.56	19.80	19.86	19.83	19.72	20.70		
3GPP Rel 6	HSUPA Subtest-1	18.07	17.88	18.09	18.30	19.00	18.96	18.88	19.20		
3GPP Rel 6	HSUPA Subtest-2	18.30	17.91	18.02	18.30	19.01	18.98	18.90	19.20		
3GPP Rel 6	HSUPA Subtest-3	19.00	18.91	19.10	19.30	20.05	20.03	19.92	20.20		
3GPP Rel 6	HSUPA Subtest-4	17.64	17.55	17.49	17.80	18.73	18.70	18.58	19.20		
3GPP Rel 6	HSUPA Subtest-5	19.10	19.10	19.00	19.30	20.00	20.00	19.90	20.20		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.86	17.83	17.70	18.30	18.96	18.85	18.90	19.20		

Band				WCDMA V_Ant 13				WCDMA V_Ant 41			
TX Channel				4132	4182	4233		4132	4182	4233	
Rx Channel				4357	4407	4455		4357	4407	4455	
Frequency (MHz)				826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.92	22.95	22.85	24.00	23.02	23.07	22.96	24.00		
3GPP Rel 99	RMDC 12.2Kbps	22.94	22.97	22.87	24.00	23.04	23.09	22.99	24.00		
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.80	23.00	22.00	22.10	21.89	23.00		
3GPP Rel 6	HSDPA Subtest-2	21.94	21.96	21.84	23.00	22.02	22.05	21.98	23.00		
3GPP Rel 6	HSDPA Subtest-3	21.46	21.53	21.41	22.50	21.54	21.61	21.53	22.50		
3GPP Rel 6	HSDPA Subtest-4	21.44	21.47	21.36	22.50	21.53	21.57	21.48	22.50		
3GPP Rel 6	HSUPA Subtest-1	20.63	20.78	20.72	21.00	20.77	20.84	20.77	21.00		
3GPP Rel 6	HSUPA Subtest-2	20.75	20.78	20.73	21.00	20.74	20.84	20.76	21.00		
3GPP Rel 6	HSUPA Subtest-3	21.72	21.75	21.77	22.00	21.61	21.69	21.80	22.00		
3GPP Rel 6	HSUPA Subtest-4	20.33	20.36	20.26	20.50	20.31	20.38	20.28	20.50		
3GPP Rel 6	HSUPA Subtest-5	21.73	21.80	21.70	22.00	21.70	21.80	21.80	22.00		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.55	20.68	20.62	21.00	20.63	20.70	20.65	21.00		

GSM850_Ant 41				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
TX Channel				128	189	251		128	189	251	
Frequency (MHz)				824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.35	32.26	32.35	33.50	23.35	23.26	23.35	24.50			
GPRS 1 Tx slot	32.33	32.23	32.32	33.50	23.33	23.23	23.32	24.50			
GPRS 2 Tx slots	30.59	30.64	30.62	31.50	24.59	24.64	24.62	25.50			
GPRS 3 Tx slots	28.64	28.70	28.66	29.50	24.38	24.44	24.40	25.24			
GPRS 4 Tx slots	27.14	27.24	27.18	28.00	24.14	24.24	24.18	25.00			
EDGE(GMSK 1 Tx slot)	32.24	32.18	32.16	33.50	23.24	23.18	23.16	24.50			
EDGE(GMSK 2 Tx slots)	30.57	30.53	30.56	31.50	24.57	24.53	24.56	25.50			
EDGE(GMSK 3 Tx slots)	28.59	28.62	28.61	29.50	24.32	24.36	24.35	25.24			
EDGE(GMSK 4 Tx slots)	27.07	27.19	27.13	28.00	24.07	24.19	24.13	25.00			
EDGE 1 Tx slot	26.85	26.84	26.61	27.50	17.85	17.84	17.61	18.50			
EDGE 2 Tx slots	24.57	24.75	24.62	25.50	18.57	18.75	18.62	19.50			
EDGE 3 Tx slots	22.48	22.54	22.31	23.50	18.22	18.28	18.05	19.24			
EDGE 4 Tx slots	20.97	20.99	20.76	22.00	17.97	17.99	17.76	19.00			

GSM1900_Ant 31				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	29.76	29.75	29.60	30.50	20.76	20.75	20.60	21.50			
GPRS 1 Tx slot	29.71	29.73	29.58	30.50	20.71	20.73	20.58	21.50			
GPRS 2 Tx slots	26.77	26.83	26.81	27.00	20.77	20.83	20.81	21.00			
GPRS 3 Tx slots	24.79	24.85	24.79	25.00	20.53	20.59	20.53	20.74			
GPRS 4 Tx slots	23.74	23.83	23.75	24.00	20.74	20.83	20.75	21.00			
EDGE(GMSK 1 Tx slot)	29.62	29.62	29.53	30.50	20.62	20.62	20.53	21.50			
EDGE(GMSK 2 Tx slots)	26.85	26.87	26.79	27.00	20.85	20.87	20.79	21.00			
EDGE(GMSK 3 Tx slots)	24.75	24.83	24.74	25.00	20.49	20.57	20.48	20.74			
EDGE(GMSK 4 Tx slots)	23.72	23.80	23.70	24.00	20.72	20.80	20.70	21.00			
EDGE 1 Tx slot	26.40	26.41	26.39	26.50	17.40	17.41	17.39	17.50			
EDGE 2 Tx slots	24.45	24.46	24.45	24.50	18.45	18.46	18.45	18.50			
EDGE 3 Tx slots	22.47	22.25	22.11	22.50	18.21	17.99	17.85	18.24			
EDGE 4 Tx slots	20.73	20.58	20.57	21.00	17.73	17.58	17.57	18.00			

	Band		WCDMA IV_Ant 13				WCDMA IV_Ant 31			
	TX Channel		1312	1413	1513	Turn-up Limit (dBm)	1312	1413	1513	Turn-up Limit (dBm)
	Rx Channel		1537	1638	1738		1537	1638	1738	
	Frequency (MHz)		1712.4	1726.6	1752.6		1712.4	1726.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps		20.10	20.20	20.18	21.30	20.68	20.63	20.61	21.70
3GPP Rel 99	RMDC 12.2Kbps		20.15	20.22	20.20	21.30	20.64	20.71	20.65	21.70
3GPP Rel 6	HSDPA Subtest-1		19.28	19.17	19.30	20.30	19.74	19.68	19.82	20.70
3GPP Rel 6	HSDPA Subtest-2		19.28	19.17	19.30	20.30	19.71	19.63	19.78	20.70
3GPP Rel 6	HSDPA Subtest-3		18.83	18.89	19.00	19.80	19.26	19.33	19.48	20.20
3GPP Rel 6	HSDPA Subtest-4		18.75	18.86	18.95	19.80	19.19	19.31	19.46	20.20
3GPP Rel 6	HSUPA Subtest-1		18.13	18.16	18.13	18.30	18.54	18.61	18.57	18.70
3GPP Rel 6	HSUPA Subtest-2		17.52	18.15	18.08	18.30	18.51	18.59	18.54	18.70
3GPP Rel 6	HSUPA Subtest-3		19.04	19.25	19.24	19.30	19.55	19.51	19.54	19.70
3GPP Rel 6	HSUPA Subtest-4		17.53	17.74	17.69	17.80	18.04	18.10	18.27	18.70
3GPP Rel 6	HSUPA Subtest-5		18.80	19.00	19.10	19.30	19.50	19.40	19.60	19.70
3GPP Rel 7	HSUPA+ (HQAAM) Subtest-1		17.86	17.91	17.91	18.30	18.50	18.55	18.53	18.70

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	20.44	20.41	20.15	21.5	0	
20	QPSK	1	49	20.50	20.55	20.41			
20	QPSK	1	99	20.37	20.30	20.19			
20	QPSK	50	0	20.47	20.52	20.37	21.5	0	
20	QPSK	50	24	20.46	20.53	20.38			
20	QPSK	50	50	20.39	20.34	20.33			
20	QPSK	100	0	20.47	20.53	20.35	21.5	0	
20	16QAM	1	0	20.53	20.30	20.24			
20	16QAM	1	49	20.48	20.31	20.40			
20	16QAM	1	99	20.30	20.12	20.25	21.5	0	
20	16QAM	50	0	20.47	20.48	20.38			
20	16QAM	50	24	20.49	20.48	20.37			
20	16QAM	50	50	20.38	20.34	20.29	21.5	0	
20	16QAM	100	0	20.40	20.36	20.41			
20	64QAM	1	0	20.54	20.39	20.22			
20	64QAM	1	49	20.53	20.41	20.40	21.5	0	
20	64QAM	1	99	20.52	20.23	20.29			
20	64QAM	50	0	19.45	19.46	19.39			
20	64QAM	50	24	19.54	19.42	19.39	20.5	1	
20	64QAM	50	50	19.43	19.33	19.29			
20	64QAM	100	0	19.45	19.36	19.39			
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.43	20.46	19.88	21.5	0	
15	QPSK	1	37	20.37	20.39	20.44			
15	QPSK	1	74	20.23	20.23	20.15			
15	QPSK	36	0	20.41	20.47	20.14	21.5	0	
15	QPSK	36	20	20.34	20.36	20.25			
15	QPSK	36	39	20.38	20.24	20.41			
15	QPSK	75	0	20.42	20.40	20.26	21.5	0	
15	16QAM	1	0	20.43	20.05	20.14			
15	16QAM	1	37	20.20	20.05	20.12			
15	16QAM	1	74	20.02	20.16	20.24	21.5	0	
15	16QAM	36	0	20.49	20.44	20.38			
15	16QAM	36	20	20.25	20.23	20.12			
15	16QAM	36	39	20.46	20.34	20.18	21.5	0	
15	16QAM	75	0	20.31	20.13	20.47			
15	64QAM	1	0	20.46	20.22	20.19			
15	64QAM	1	37	20.46	20.48	20.21	21.5	0	
15	64QAM	1	74	20.35	20.24	20.11			
15	64QAM	36	0	19.35	19.37	19.11			
15	64QAM	36	20	19.54	19.32	19.22	20.5	1	
15	64QAM	36	39	19.32	19.14	19.22			
15	64QAM	75	0	19.20	19.37	19.15			
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	20.34	20.41	20.17	21.5	0	
10	QPSK	1	25	20.25	20.47	20.21			
10	QPSK	1	49	20.17	20.03	20.14			
10	QPSK	25	0	20.40	20.36	20.13	21.5	0	
10	QPSK	25	12	20.49	20.27	20.29			
10	QPSK	25	25	20.46	20.20	20.08			
10	QPSK	60	0	20.20	20.31	20.34	21.5	0	
10	16QAM	1	0	20.39	20.09	20.26			
10	16QAM	1	25	20.37	20.29	20.39			
10	16QAM	1	49	20.22	20.16	20.12	21.5	0	
10	16QAM	25	0	20.46	20.46	20.12			
10	16QAM	25	12	20.32	20.23	20.32			
10	16QAM	25	25	20.16	20.11	20.25	21.5	0	
10	16QAM	50	0	20.46	20.21	20.19			
10	64QAM	1	0	20.46	20.33	20.24			
10	64QAM	1	25	20.31	20.22	20.25	21.5	0	
10	64QAM	1	49	20.27	20.00	20.31			
10	64QAM	25	0	19.34	19.20	19.25			
10	64QAM	25	12	19.37	19.24	19.40	20.5	1	
10	64QAM	25	25	19.30	19.22	19.06			
10	64QAM	50	0	19.36	19.25	19.42			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.24	20.32	20.11	21.5	0	
5	QPSK	1	12	20.24	20.38	20.43			
5	QPSK	1	24	20.13	20.22	19.98			
5	QPSK	12	0	20.34	20.40	20.13	21.5	0	
5	QPSK	12	7	20.44	20.41	20.26			
5	QPSK	12	13	20.29	20.14	20.41			
5	QPSK	25	0	20.47	20.41	20.13	21.5	0	
5	16QAM	1	0	20.41	20.34	19.99			
5	16QAM	1	12	20.35	20.30	20.46			
5	16QAM	1	24	20.29	19.85	20.00	21.5	0	
5	16QAM	12	0	20.48	20.38	20.14			
5	16QAM	12	7	20.32	20.49	20.39			
5	16QAM	12	13	20.27	20.29	20.06	21.5	0	
5	16QAM	25	0	20.23	20.25	20.28			
5	64QAM	1	0	20.43	20.18	20.27			
5	64QAM	1	12	20.28	20.34	20.44	21.5	0	
5	64QAM	1	24	20.28	20.07	20.34			
5	64QAM	12	0	19.34	19.41	19.20			
5	64QAM	12	7	19.53	19.50	19.21	20.5	1	
5	64QAM	12	13	19.47	19.24	19.27			
5	64QAM	25	0	19.49	19.10	19.15			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.29	20.34	20.20	21.5	0	
3	QPSK	1	8	20.30	20.28	20.49			
3	QPSK	1	14	20.37	20.22	20.17			
3	QPSK	8	0	20.20	20.40	20.35	21.5	0	
3	QPSK	8	4	20.43	20.44	20.35			
3	QPSK	8	7	20.37	20.36	20.32			
3	QPSK	15	0	20.36	20.47	20.27	21.5	0	
3	16QAM	1	0	20.30	20.25	20.00			
3	16QAM	1	8	20.37	20.25	20.46			
3	16QAM	1	14	20.22	20.19	20.18	21.5	0	
3	16QAM	8	0	20.20	20.23	20.12			
3	16QAM	8	4	20.45	20.34	20.32			
3	16QAM	8	7	20.13	20.39	20.17	21.5	0	
3	16QAM	15	0	20.22	20.12	20.40			
3	64QAM	1	0	20.42	20.46	20.26			
3	64QAM	1	8	20.25	20.35	20.18	21.5	0	
3	64QAM	1	14	20.40	20.04	20.31			
3	64QAM	8	0	19.27	19.45	19.45			
3	64QAM	8	4	19.36	19.47	19.34	20.5	1	
3	64QAM	8	7	19.35	19.05	19.22			
3	64QAM	15	0	19.30	19.42	19.43			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18507	1880	19093			
1.4	QPSK	1	0	20.40	20.38	19.93	21.5	0	
1.4	QPSK	1	3	20.40	20.42	20.35			
1.4	QPSK	1	42	20.42	20.27	20.37			
1.4	QPSK	3	0	20.40	20.45	20.18	21.5	0	
1.4	QPSK	3	1	20.49	20.30	20.22			
1.4	QPSK	3	3	20.44	20.16	20.27			
1.4	QPSK	6	0	20.36	20.47	20.16	21.5	0	
1.4	16QAM	1	0	20.35	20.17	20.20			
1.4	16QAM	1	3	20.41	20.19	20.04			
1.4	16QAM	1	5	20.13	19.95	20.05	21.5	0	
1.4	16QAM	3	0	20.27	20.37	20.37			
1.4	16QAM	3	1	20.48	20.26	20.21			
1.4	16QAM	3	3	20.31	20.36	20.31	21.5	0	
1.4	16QAM	6	0	20.44	20.15	20.17			
1.4	64QAM	1	0	20.41	20.14	20.00			
1.4	64QAM	1	3	20.32	20.15	20.12	21.5	0	
1.4	64QAM	1	5	20.45	20.23	20.34			
1.4	64QAM	3	0	20.34	20.09	20.26			
1.4	64QAM	3	1	20.18	20.37	20.03	20.5	1	
1.4	64QAM	3	3	20.05	20.04	20.05			
1.4	64QAM	6	0	19.44	19.30	19.17			

Band 4_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	20.83	20.83	20.99	22.6	0	
20	QPSK	1	49	20.97	21.13	21.17			
20	QPSK	1	99	20.79	20.84	20.94			
20	QPSK	50	0	20.92	20.87	21.08	22.6	0	
20	QPSK	50	24	20.95	21.11	21.15			
20	QPSK	50	50	20.94	20.96	21.03			
20	QPSK	100	0	20.88	21.10	21.13	22.6	0	
20	16QAM	1	0	20.79	20.93	21.09			
20	16QAM	1	49	21.00	21.10	21.14			
20	16QAM	1	99	20.88	20.91	21.11	22.1	0.5	
20	16QAM	50	0	20.52	20.35	20.63			
20	16QAM	50	24	20.43	20.44	20.60			
20	16QAM	50	50	20.47	20.43	20.58	22.1	0.5	
20	16QAM	100	0	20.54	20.45	20.63			
20	64QAM	1	0	20.57	20.69	20.77			
20	64QAM	1	49	20.46	20.84	20.85	22.1	0.5	
20	64QAM	1	99	20.32	20.59	20.72			
20	64QAM	50	0	19.70	19.57	19.86			
20	64QAM	50	24	19.62	19.71	19.84	21.1	1.5	
20	64QAM	50	50	19.69	19.65	19.76			
20	64QAM	100	0	19.72	19.57	19.81			
Channel				20025 <th>20175<th>20325<th></th><th></th><th></th></th></th>	20175 <th>20325<th></th><th></th><th></th></th>	20325 <th></th> <th></th> <th></th>			
Frequency (MHz)				1717.5 <th>1732.5<th>1747.5<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	1732.5 <th>1747.5<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1747.5 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.88	20.80	20.87	22.6	0	
15	QPSK	1	37	20.94	21.04	21.03			
15	QPSK	1	74	20.71	20.65	20.75			
15	QPSK	36	0	20.66	20.80	21.02	22.6	0	
15	QPSK	36	20	20.76	21.03	20.96			
15	QPSK	36	39	20.81	21.02	21.11			
15	QPSK	75	0	20.69	21.00	21.10	22.6	0	
15	16QAM	1	0	20.62	20.95	21.01			
15	16QAM	1	37	21.01	21.09	20.95			
15	16QAM	1	74	20.75	20.75	20.96	22.1	0.5	
15	16QAM	36	0	20.32	20.36	20.64			
15	16QAM	36	20	20.34	20.16	20.60			
15	16QAM	36	39	20.33	20.22	20.47	22.1	0.5	
15	16QAM	75	0	20.28	20.36	20.47			
15	64QAM	1	0	20.32	20.58	20.82			
15	64QAM	1	37	20.42	20.78	20.75	22.1	0.5	
15	64QAM	1	74	20.39	20.55	20.73			
15	64QAM	36	0	19.42	19.54	19.59			
15	64QAM	36	20	19.65	19.64	19.60	21.1	1.5	
15	64QAM	36	39	19.45	19.69	19.73			
15	64QAM	75	0	19.66	19.39	19.53			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715 <th>1732.5<th>1750</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1732.5 <th>1750</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	1750	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.74	20.87	20.79	22.6	0	
10	QPSK	1	25	20.74	21.07	21.02			
10	QPSK	1	49	20.76	20.62	21.02			
10	QPSK	25	0	20.80	20.71	21.00	22.6	0	
10	QPSK	25	12	21.03	21.07	21.14			
10	QPSK	25	25	20.75	20.77	20.95			
10	QPSK	50	0	20.78	20.87	21.09	22.6	0	
10	16QAM	1	0	20.84	20.79	20.97			
10	16QAM	1	25	20.72	20.95	21.09			
10	16QAM	1	49	20.72	20.68	21.16	22.1	0.5	
10	16QAM	25	0	20.41	20.18	20.67			
10	16QAM	25	12	20.47	20.37	20.67			
10	16QAM	25	25	20.29	20.45	20.42	22.1	0.5	
10	16QAM	50	0	20.61	20.37	20.59			
10	64QAM	1	0	20.62	20.44	20.65			
10	64QAM	1	25	20.33	20.85	20.61	22.1	0.5	
10	64QAM	1	49	20.36	20.61	20.70			
10	64QAM	25	0	19.72	19.41	19.86			
10	64QAM	25	12	19.46	19.51	19.84	21.1	1.5	
10	64QAM	25	25	19.56	19.73	19.60			
10	64QAM	50	0	19.63	19.45	19.82			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1732.5 <th>1752.5</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.87	20.83	21.07	22.6	0	
5	QPSK	1	12	20.70	20.85	21.16			
5	QPSK	1	24	20.66	20.82	21.00			
5	QPSK	12	0	20.90	20.65	20.98	22.6	0	
5	QPSK	12	7	20.79	20.88	20.88			
5	QPSK	12	13	20.82	20.77	20.82			
5	QPSK	25	0	20.66	21.11	21.02	22.6	0	
5	16QAM	1	0	20.67	20.68	21.08			
5	16QAM	1	12	20.83	20.84	20.86			
5	16QAM	1	24	20.65	20.70	20.90	22.1	0.5	
5	16QAM	12	0	20.56	20.37	20.51			
5	16QAM	12	7	20.35	20.47	20.67			
5	16QAM	12	13	20.30	20.44	20.39	22.1	0.5	
5	16QAM	25	0	20.38	20.22	20.55			
5	64QAM	1	0	20.36	20.48	20.74			
5	64QAM	1	12	20.38	20.70	20.73	22.1	0.5	
5	64QAM	1	24	20.32	20.40	20.53			
5	64QAM	12	0	19.54	19.32	19.54			
5	64QAM	12	7	19.35	19.57	19.71	21.1	1.5	
5	64QAM	12	13	19.46	19.49	19.77			
5	64QAM	25	0	19.59	19.35	19.85			
Channel				19955	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1732.5 <th>1753.5</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	1753.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.74	20.88	20.91	22.6	0	
3	QPSK	1	8	20.69	21.07	21.07			
3	QPSK	1	14	20.68	20.73	21.00			
3	QPSK	8	0	20.67	20.67	20.90	22.6	0	
3	QPSK	8	4	20.94	21.00	20.91			
3	QPSK	8	7	20.78	20.67	20.96			
3	QPSK	15	0	20.67	20.89	20.95	22.6	0	
3	16QAM	1	0	20.67	20.74	20.84			
3	16QAM	1	8	21.06	20.85	21.08			
3	16QAM	1	14	20.90	20.88	20.88	22.1	0.5	
3	16QAM	8	0	20.26	20.20	20.61			
3	16QAM	8	4	20.15	20.36	20.48			
3	16QAM	8	7	20.48	20.51	20.31	22.1	0.5	
3	16QAM	15	0	20.36	20.44	20.53			
3	64QAM	1	0	20.39	20.47	20.70			
3	64QAM	1	8	20.53	20.84	20.79	22.1	0.5	
3	64QAM	1	14	20.38	20.34	20.60			
3	64QAM	8	0	19.57	19.58	19.87			
3	64QAM	8	4	19.48	19.66	19.69	21.1	1.5	
3	64QAM	8	7	19.42	19.47	19.52			
3	64QAM	15	0	19.51	19.42	19.63			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7 <th>1732.5<th>1754.3<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th></th>	1732.5 <th>1754.3<th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	1754.3 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	20.84	20.81	20.71	22.6	0	
1.4	QPSK	1	3	21.02	20.86	20.93			
1.4	QPSK	1	5	20.83	20.69	20.68			
1.4	QPSK	3	0	20.85	20.92	20.91	22.6	0	
1.4	QPSK	3	1	20.91	20.86	21.05			
1.4	QPSK	3	3	20.89	20.85	20.91			
1.4	QPSK	6	0	20.95	21.10	20.94	22.6	0	
1.4	16QAM	1	0	20.84	20.80	20.97			
1.4	16QAM	1	3	20.73	21.01	20.91	22.6	0	
1.4	16QAM	1	5	20.88	20.85	20.88			
1.4	16QAM	3	0	21.01	20.85	21.06			
1.4	16QAM	3	1	20.97	20.87	21.00	22.1	0.5	
1.4	16QAM	3	3	20.84	20.97	21.07			
1.4	16QAM	6	0	20.37	20.31	20.54			
1.4	64QAM	1	0	20.45	20.41	20.53	22.1	0.5	
1.4	64QAM	1	3	20.21	20.68	20.65			
1.4	64QAM	1	5	20.20	20.66	20.68			
1.4	64QAM	3	0	20.45	20.83	20.85	22.1	0.5	
1.4	64QAM	3	1	20.35	20.37	20.62			
1.4	64QAM	3	3	20.41	20.35	20.52			
1.4	64QAM	6	0	19.59	19.53	19.65	21.1	1.5	

Band 7_Ant 13									
BW [MHz]	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	17.04	17.18	17.07	18.5	0	
20	QPSK	1	49	17.25	17.45	17.32			
20	QPSK	1	99	17.11	17.29	17.17			
20	QPSK	50	0	17.20	17.23	17.17	18.5	0	
20	QPSK	50	24	17.23	17.43	17.30			
20	QPSK	50	50	17.22	17.31	17.24			
20	QPSK	100	0	17.18	17.40	17.22	18.5	0	
20	16QAM	1	0	17.11	17.43	16.96			
20	16QAM	1	99	17.32	17.41	17.04			
20	16QAM	1	99	17.23	17.40	17.07	18.5	0	
20	16QAM	50	0	17.23	17.16	17.11			
20	16QAM	50	24	17.27	17.19	17.20			
20	16QAM	50	50	17.21	17.19	17.28	18.5	0	
20	16QAM	100	0	17.19	17.22	17.21			
20	64QAM	1	0	17.05	16.74	17.11			
20	64QAM	1	49	17.19	17.43	17.38	18.5	0	
20	64QAM	1	99	17.12	17.30	17.33			
20	64QAM	50	0	17.14	17.13	17.12			
20	64QAM	50	24	17.19	17.34	17.22	18.5	0	
20	64QAM	50	50	17.19	17.29	17.26			
20	64QAM	100	0	17.19	17.22	17.28			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.02	17.16	16.90	18.5	0	
15	QPSK	1	37	17.18	17.37	17.17			
15	QPSK	1	74	17.15	17.22	16.93			
15	QPSK	36	0	17.27	17.06	17.15	18.5	0	
15	QPSK	36	20	17.29	17.43	17.22			
15	QPSK	36	39	17.27	17.27	17.18			
15	QPSK	75	0	17.18	17.36	17.09	18.5	0	
15	16QAM	1	0	17.01	17.33	16.98			
15	16QAM	1	37	17.19	17.16	17.05			
15	16QAM	1	74	17.01	17.37	17.13	18.5	0	
15	16QAM	36	0	17.28	16.96	17.01			
15	16QAM	36	20	16.99	17.04	17.28			
15	16QAM	36	39	16.95	16.91	17.13	18.5	0	
15	16QAM	75	0	17.15	17.07	16.98			
15	64QAM	1	0	16.85	16.90	17.00			
15	64QAM	1	37	17.18	17.30	17.18	18.5	0	
15	64QAM	1	74	16.91	17.33	17.09			
15	64QAM	36	0	17.11	17.03	17.07			
15	64QAM	36	20	17.08	17.16	17.29	18.5	0	
15	64QAM	36	39	17.04	17.25	17.16			
15	64QAM	75	0	16.97	17.07	17.31			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.92	16.93	16.85	18.5	0	
10	QPSK	1	25	17.10	17.23	17.10			
10	QPSK	1	49	16.92	17.29	17.01			
10	QPSK	25	0	17.17	17.23	17.17	18.5	0	
10	QPSK	25	12	17.23	17.29	17.38			
10	QPSK	25	25	16.97	17.27	17.11			
10	QPSK	50	0	17.09	17.29	17.00	18.5	0	
10	16QAM	1	0	16.92	17.22	16.93			
10	16QAM	1	25	17.28	17.39	16.90			
10	16QAM	1	49	17.03	17.22	16.91	18.5	0	
10	16QAM	25	0	17.25	16.96	16.85			
10	16QAM	25	12	17.17	17.13	17.18			
10	16QAM	25	25	17.04	16.96	17.15	18.5	0	
10	16QAM	50	0	16.92	17.02	17.10			
10	64QAM	1	0	16.95	16.90	16.90			
10	64QAM	1	25	17.02	17.32	17.13	18.5	0	
10	64QAM	1	49	17.03	17.18	17.18			
10	64QAM	25	0	16.89	16.97	17.20			
10	64QAM	25	12	17.26	17.14	17.06	18.5	0	
10	64QAM	25	25	16.91	17.21	17.01			
10	64QAM	50	0	17.20	16.99	17.34			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.09	17.15	16.98	18.5	0	
5	QPSK	1	12	17.28	17.22	17.12			
5	QPSK	1	24	17.07	17.13	16.92			
5	QPSK	12	0	16.99	16.99	17.25	18.5	0	
5	QPSK	12	7	17.11	17.19	17.23			
5	QPSK	12	13	17.14	17.04	17.29			
5	QPSK	25	0	17.18	17.35	16.95	18.5	0	
5	16QAM	1	0	16.86	17.28	16.98			
5	16QAM	1	12	17.24	17.30	17.12			
5	16QAM	1	24	16.96	17.28	16.89	18.5	0	
5	16QAM	12	0	17.15	17.10	17.05			
5	16QAM	12	7	17.29	16.94	16.94			
5	16QAM	12	13	17.08	17.05	17.00	18.5	0	
5	16QAM	25	0	17.06	17.29	17.06			
5	64QAM	1	0	16.93	16.94	17.01			
5	64QAM	1	12	16.99	17.42	17.28	18.5	0	
5	64QAM	1	24	17.00	17.09	17.27			
5	64QAM	12	0	17.10	17.13	17.06			
5	64QAM	12	7	17.18	17.09	17.01	18.5	0	
5	64QAM	12	13	17.27	17.22	17.26			
5	64QAM	25	0	16.98	17.10	17.06			

Band 7_Ant 31									
BW [MHz]	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	20.04	20.16	20.11	21.5	0	
20	QPSK	1	49	20.24	20.34	20.31			
20	QPSK	1	99	20.11	20.27	20.30			
20	QPSK	50	0	20.20	20.26	20.23	21.5	0	
20	QPSK	50	24	20.22	20.32	20.29			
20	QPSK	50	50	20.19	20.23	20.25			
20	QPSK	100	0	20.24	20.30	20.27	21.5	0	
20	16QAM	1	0	20.27	20.30	20.29			
20	16QAM	1	99	20.21	20.22	20.28			
20	16QAM	50	0	20.11	20.19	20.16	21.5	0	
20	16QAM	50	24	20.13	20.22	20.19			
20	16QAM	50	50	20.10	20.18	20.32			
20	16QAM	100	0	20.06	20.14	20.32	21.5	0	
20	64QAM	1	0	20.26	19.83	20.00			
20	64QAM	1	49	20.25	20.03	20.19			
20	64QAM	1	99	20.27	19.90	20.12	20.5	1	
20	64QAM	50	0	19.17	19.30	19.26			
20	64QAM	50	24	19.23	19.33	19.23			
20	64QAM	50	50	19.20	19.29	19.43	20.5	1	
20	64QAM	100	0	19.17	19.28	19.35			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.95	20.01	20.17	21.5	0	
15	QPSK	1	37	20.27	20.17	20.29			
15	QPSK	1	74	19.90	20.32	20.08			
15	QPSK	36	0	20.07	20.24	19.99	21.5	0	
15	QPSK	36	20	20.13	20.10	20.29			
15	QPSK	36	39	20.26	20.14	20.20			
15	QPSK	75	0	20.03	20.26	20.19	21.5	0	
15	16QAM	1	0	20.24	20.13	20.34			
15	16QAM	1	37	20.24	20.05	20.18			
15	16QAM	1	74	19.99	20.12	21.08	21.5	0	
15	16QAM	36	0	19.99	20.09	20.07			
15	16QAM	36	20	20.06	20.04	20.01			
15	16QAM	36	39	19.13	19.23	19.33	21.5	0	
15	16QAM	75	0	20.01	19.88	20.15			
15	64QAM	1	0	20.22	19.86	19.91			
15	64QAM	1	37	20.30	19.83	20.18	20.5	1	
15	64QAM	1	74	20.14	19.81	19.92			
15	64QAM	36	0	19.18	19.17	19.06			
15	64QAM	36	20	19.20	19.32	19.02	20.5	1	
15	64QAM	36	39	19.27	19.20	19.48			
15	64QAM	75	0	18.99	19.01	19.30			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.04	20.05	20.16	21.5	0	
10	QPSK	1	49	20.30	20.30	20.28			
10	QPSK	1	25	20.07	20.27	20.31			
10	QPSK	25	0	19.99	20.24	20.13	21.5	0	
10	QPSK	25	12	20.24	20.13	20.25			
10	QPSK	25	25	20.08	20.22	20.07			
10	QPSK	50	0	20.14	20.05	20.26	21.5	0	
10	16QAM	1	0	20.18	20.22	20.22			
10	16QAM	1	25	20.10	20.33	20.15			
10	16QAM	25	11	20.11	20.12	20.12	21.5	0	
10	16QAM	25	0	19.95	19.91	19.99			
10	16QAM	25	12	20.06	20.13	20.12			
10	16QAM	25	25	20.05	20.20	20.12	21.5	0	
10	16QAM	50	0	20.03	19.90	20.11			
10	64QAM	1	0	20.27	19.85	19.77			
10	64QAM	1	25	20.03	19.78	20.15	21.5	0	
10	64QAM	1	49	20.22	19.83	19.89			
10	64QAM	25	0	19.11	19.29	19.12			
10	64QAM	25	15	19.29	19.29	19.86	20.5	1	
10	64QAM	25	19	19.03	19.29	19.14			
10	64QAM	50	0	19.07	19.28	19.28			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.90	19.94	20.17	21.5	0	
5	QPSK	1	12	19.97	20.08	20.07			
5	QPSK	1	24	19.99	20.33	20.16			
5	QPSK	12	0	20.27	20.31	20.20	21.5	0	
5	QPSK	12	7	20.11	20.26	20.11			
5	QPSK	12	13	20.00	20.18	20.13			
5	QPSK	25	0	20.23	20.24	20.04	21.5	0	
5	16QAM	1	0	20.25	20.20	20.06			
5	16QAM	1	12	20.33	20.02	20.18			
5	16QAM	1	24	20.04	19.96	20.02	21.5	0	
5	16QAM	12	0	19.94	19.91	20.05			
5	16QAM	12	7	20.04	20.30	20.17			
5	16QAM	12	13	19.98	20.18	20.20	21.5	0	
5	16QAM	25	0	19.90	19.94	20.22			
5	64QAM	1	0	20.09	19.81	20.04			
5	64QAM	1	12	19.98	19.77	19.86	21.5	0	
5	64QAM	1	24	20.22	19.88	19.94			
5	64QAM	12	0	19.12	19.09	19.25			
5	64QAM	12	7	19.08	19.17	18.97	20.5	1	
5	64QAM	12	13	19.28	19.18	19.41			
5	64QAM	25	0	19.20	19.16	19.41			

Band 12_Ant 41

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.40	23.51	23.33	24.5	0
10	QPSK	1	25	23.50	23.54	23.48		
10	QPSK	1	49	23.47	23.50	23.47		
10	QPSK	25	0	22.43	22.40	22.29	23.5	1
10	QPSK	25	12	22.45	22.48	22.31		
10	QPSK	25	25	22.44	22.41	22.27		
10	QPSK	50	0	22.46	22.48	22.33	23.5	1
10	16QAM	1	0	22.80	22.75	22.84		
10	16QAM	1	25	22.82	22.85	22.84		
10	16QAM	1	49	22.86	22.84	22.85	22.5	2
10	16QAM	25	0	21.40	21.32	21.31		
10	16QAM	25	12	21.35	21.37	21.48		
10	16QAM	25	25	21.42	21.50	21.36	22.5	2
10	16QAM	50	0	21.49	21.45	21.27		
10	64QAM	1	0	21.59	21.40	21.61		
10	64QAM	1	25	21.62	21.57	21.65	21.5	3
10	64QAM	1	49	21.73	21.47	21.60		
10	64QAM	25	0	20.57	20.52	20.48		
10	64QAM	25	12	20.57	20.61	20.57	21.5	3
10	64QAM	25	25	20.62	20.67	20.41		
10	64QAM	50	0	20.55	20.57	20.38		
Channel				23095	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	23.29	23.37	23.36	24.5	0
5	QPSK	1	12	23.43	23.38	23.39		
5	QPSK	1	24	23.45	23.45	23.43		
5	QPSK	12	0	22.27	22.27	22.28	23.5	1
5	QPSK	12	7	22.33	22.35	22.22		
5	QPSK	12	13	22.31	22.33	22.13		
5	QPSK	25	0	22.30	22.32	22.22	23.5	1
5	16QAM	1	0	22.71	22.68	22.70		
5	16QAM	1	12	22.63	22.74	22.72		
5	16QAM	1	24	22.74	22.66	22.65	22.5	2
5	16QAM	12	0	21.28	21.27	21.22		
5	16QAM	12	7	21.35	21.34	21.19		
5	16QAM	12	13	21.27	21.42	21.06	21.5	3
5	16QAM	25	0	21.31	21.29	21.26		
5	64QAM	1	0	21.63	21.55	20.93		
5	64QAM	1	12	21.56	21.25	21.32	22.5	2
5	64QAM	1	24	21.55	21.17	21.01		
5	64QAM	12	0	20.44	20.41	20.42		
5	64QAM	12	7	20.45	20.41	20.44	21.5	3
5	64QAM	12	13	20.46	20.51	20.33		
5	64QAM	25	0	20.47	20.46	20.44		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.23	23.27	23.29	24.5	0
3	QPSK	1	8	23.22	23.28	23.30		
3	QPSK	1	14	23.32	23.31	23.32		
3	QPSK	8	0	22.24	22.28	22.17	23.5	1
3	QPSK	8	4	22.27	22.37	22.16		
3	QPSK	8	7	22.24	22.30	22.17		
3	QPSK	15	0	22.26	22.23	22.25	23.5	1
3	16QAM	1	0	22.57	22.57	22.56		
3	16QAM	1	8	22.55	22.62	22.56		
3	16QAM	1	14	22.66	22.63	22.51	22.5	2
3	16QAM	8	0	21.25	21.24	21.20		
3	16QAM	8	4	21.24	21.28	21.28		
3	16QAM	8	7	21.27	21.26	21.27	22.5	2
3	16QAM	15	0	21.33	21.36	21.09		
3	64QAM	1	0	21.28	21.58	21.40		
3	64QAM	1	8	21.31	21.32	21.24	21.5	3
3	64QAM	1	14	21.36	21.32	21.22		
3	64QAM	8	0	20.48	20.49	20.36		
3	64QAM	8	4	20.46	20.50	20.37	21.5	3
3	64QAM	8	7	20.41	20.51	20.52		
3	64QAM	15	0	20.43	20.50	20.38		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	23.22	23.27	23.02	24.5	0
1.4	QPSK	1	3	23.22	23.25	23.07		
1.4	QPSK	1	5	23.25	23.17	23.05		
1.4	QPSK	3	0	23.31	23.29	23.15	23.5	1
1.4	QPSK	3	1	23.30	23.35	23.24		
1.4	QPSK	3	3	23.29	23.31	23.15		
1.4	QPSK	6	0	22.30	22.27	22.25	23.5	1
1.4	16QAM	1	0	22.41	22.22	22.03		
1.4	16QAM	1	3	22.42	22.27	22.02		
1.4	16QAM	1	5	22.42	22.23	22.05	22.5	2
1.4	16QAM	3	0	22.42	22.33	22.27		
1.4	16QAM	3	1	22.37	22.35	22.35		
1.4	16QAM	3	3	22.31	22.32	22.23	22.5	2
1.4	16QAM	6	0	21.27	21.21	21.22		
1.4	64QAM	1	0	21.56	21.67	21.45		
1.4	64QAM	1	3	21.50	21.64	21.48	22.5	2
1.4	64QAM	1	5	21.53	21.55	21.20		
1.4	64QAM	3	0	21.49	21.50	21.22		
1.4	64QAM	3	1	21.48	21.52	21.23	21.5	3
1.4	64QAM	3	3	21.46	21.54	21.27		
1.4	64QAM	6	0	20.48	20.45	20.31		

Band 17_Ant 13

Band	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	23.29	23.29	23.27	24.5	0
10	QPSK	1	25	23.43	23.44	23.42		
10	QPSK	1	49	23.40	23.38	23.38		
10	QPSK	25	0	22.25	22.18	22.14	23.5	1
10	QPSK	25	12	22.30	22.40	22.30		
10	QPSK	25	25	22.28	22.32	22.30		
10	QPSK	50	0	22.30	22.35	22.22	23.5	1
10	16QAM	1	0	22.54	22.52	22.51		
10	16QAM	1	25	22.69	22.63	22.60		
10	16QAM	1	49	22.57	22.56	22.54	22.5	2
10	16QAM	25	0	21.27	21.22	21.15		
10	16QAM	25	12	21.32	21.34	21.36		
10	16QAM	25	25	21.47	21.34	21.19	22.5	2
10	16QAM	50	0	21.38	21.25	21.16		
10	64QAM	1	0	21.38	21.37	21.42		
10	64QAM	1	25	21.47	21.47	21.52	21.5	3
10	64QAM	1	49	21.45	21.45	21.49		
10	64QAM	25	0	20.42	20.37	20.34		
10	64QAM	25	12	20.47	20.51	20.52	21.5	3
10	64QAM	25	25	20.63	20.49	20.36		
10	64QAM	50	0	20.51	20.43	20.35		
Channel				23753	23790	23823	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				705.5	710	713.5		
5	QPSK	1	0	23.38	23.38	23.24	24.5	0
5	QPSK	1	12	23.39	23.39	23.42		
5	QPSK	1	24	23.42	23.31	23.21		
5	QPSK	12	0	22.39	22.28	22.32	23.5	1
5	QPSK	12	7	22.35	22.33	22.31		
5	QPSK	12	13	22.38	22.38	22.11		
5	QPSK	25	0	22.35	22.39	22.28	23.5	1
5	16QAM	1	0	22.57	22.67	22.59		
5	16QAM	1	12	22.80	22.62	22.68		
5	16QAM	1	24	22.64	22.65	22.48	22.5	2
5	16QAM	12	0	21.39	21.23	21.25		
5	16QAM	12	7	21.35	21.22	21.26		
5	16QAM	12	13	21.41	21.34	21.06	21.5	3
5	16QAM	25	0	21.36	21.33	21.19		
5	64QAM	1	0	21.31	21.34	21.50		
5	64QAM	1	12	21.44	21.40	21.59	22.5	2
5	64QAM	1	24	21.49	21.39	21.57		
5	64QAM	12	0	20.60	20.42	20.48		
5	64QAM	12	7	20.49	20.46	20.38	21.5	3
5	64QAM	12	13	20.53	20.49	20.29		
5	64QAM	25	0	20.49	20.50	20.34		

Band 17_Ant 41

BW [MHz]	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	23.38	23.28	23.35	24.5	0
10	QPSK	1	25	23.43	23.52	23.47		
10	QPSK	1	49	23.39	23.46	23.43		
10	QPSK	25	0	22.27	22.24	22.22	23.5	1
10	QPSK	25	12	22.35	22.40	22.39		
10	QPSK	25	25	22.31	22.30	22.24		
10	QPSK	50	0	22.27	22.28	22.30	23.5	1
10	16QAM	1	0	22.46	22.71	22.77		
10	16QAM	1	25	22.86	22.78	22.88		
10	16QAM	1	49	22.49	22.72	22.86	22.5	2
10	16QAM	25	0	21.28	21.28	21.22		
10	16QAM	25	12	21.34	21.44	21.38		
10	16QAM	25	25	21.29	21.32	21.27	22.5	2
10	16QAM	50	0	21.30	21.37	21.28		
10	16QAM	1	0	21.57	21.27	21.23		
10	64QAM	1	25	21.64	21.66	21.44	21.5	3
10	64QAM	1	49	21.73	21.68	21.46		
10	64QAM	25	0	20.44	20.46	20.43		
10	64QAM	25	12	20.46	20.57	20.61	21.5	3
10	64QAM	25	25	20.65	20.54	20.41		
10	64QAM	50	0	20.46	20.51	20.45		
Channel				23755	23790	23825		
Frequency (MHz)				708.5	710	713.5		
5	QPSK	1	0	23.30	23.35	23.30	24.5	0
5	QPSK	1	12	23.30	23.30	23.25		
5	QPSK	1	24	23.36	23.37	23.25		
5	QPSK	12	0	22.21	22.30	22.31	23.5	1
5	QPSK	12	7	22.26	22.37	22.40		
5	QPSK	12	13	22.39	22.34	22.15		
5	QPSK	25	0	22.28	22.36	22.21	23.5	1
5	16QAM	1	0	22.20	22.34	22.34		
5	16QAM	1	12	22.23	22.41	22.37		
5	16QAM	1	24	22.30	22.31	22.35	22.5	2
5	16QAM	12	0	21.43	21.28	21.28		
5	16QAM	12	7	21.31	21.30	21.24		
5	16QAM	12	13	21.36	21.27	21.11	22.5	2
5	16QAM	25	0	21.32	21.31	21.24		
5	64QAM	1	0	21.74	21.40	21.52		
5	64QAM	1	12	21.73	21.36	21.54	22.5	2
5	64QAM	1	24	21.70	21.40	21.50		
5	64QAM	12	0	20.62	20.45	20.56		
5	64QAM	12	7	20.62	20.43	20.50	21.5	3
5	64QAM	12	13	20.67	20.39	20.42		
5	64QAM	25	0	20.49	20.47	20.32		

Band 38_Ant 13

BW [MHz]	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	19.81	19.80	19.73	20.9	0
20	QPSK	1	49	19.97	19.94	19.89		
20	QPSK	1	99	19.92	19.87	19.86		
20	QPSK	50	0	19.83	19.89	19.80	20.9	0
20	QPSK	50	24	19.95	19.92	19.91		
20	QPSK	50	50	19.93	19.89	19.83		
20	QPSK	100	0	19.94	19.81	19.89	20.9	0
20	16QAM	1	0	19.78	19.74	19.73		
20	16QAM	1	49	19.82	19.89	19.90		
20	16QAM	1	99	19.81	19.85	19.81	20.9	0
20	16QAM	50	0	19.88	19.93	19.88		
20	16QAM	50	24	19.87	19.92	19.94		
20	16QAM	50	50	19.96	19.93	19.90	20.9	0
20	16QAM	100	0	19.89	19.88	19.89		
20	64QAM	1	0	19.70	19.75	19.66		
20	64QAM	1	49	19.84	19.90	19.77	20.9	0
20	64QAM	1	99	19.82	19.76	19.75		
20	64QAM	50	0	19.35	19.35	19.30		
20	64QAM	50	24	19.39	19.38	19.38	20.4	0.5
20	64QAM	50	50	19.44	19.34	19.40		
20	64QAM	100	0	19.39	19.37	19.34		
Channel				37725	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.89	19.83	19.85	20.9	0
15	QPSK	1	37	19.93	19.96	19.85		
15	QPSK	1	74	19.81	19.85	19.65		
15	QPSK	36	0	19.78	19.74	19.61	20.9	0
15	QPSK	36	20	19.85	19.83	19.93		
15	QPSK	36	39	19.92	19.94	19.86		
15	QPSK	75	0	19.75	19.60	19.77	20.9	0
15	16QAM	1	0	19.62	19.53	19.70		
15	16QAM	1	37	19.65	19.69	19.81		
15	16QAM	1	74	19.53	19.82	19.59	20.9	0
15	16QAM	36	0	19.78	19.72	19.69		
15	16QAM	36	20	19.70	19.92	19.94		
15	16QAM	36	39	19.70	19.76	19.65	20.9	0
15	16QAM	75	0	19.90	19.73	19.62		
15	64QAM	1	0	19.66	19.65	19.59		
15	64QAM	1	37	19.83	19.92	19.76	20.9	0
15	64QAM	1	74	19.65	19.35	19.46		
15	64QAM	36	0	19.13	19.18	19.29		
15	64QAM	36	20	19.24	19.12	19.28	20.4	0.5
15	64QAM	36	39	19.34	19.11	19.13		
15	64QAM	75	0	19.45	19.15	19.39		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.83	19.70	19.46	20.9	0
10	QPSK	1	25	19.95	19.84	19.86		
10	QPSK	1	49	19.92	19.63	19.82		
10	QPSK	25	0	19.84	19.95	19.81	20.9	0
10	QPSK	25	12	19.82	19.77	19.89		
10	QPSK	25	25	19.92	19.85	19.75		
10	QPSK	50	0	19.90	19.54	19.93	20.9	0
10	16QAM	1	0	19.70	19.80	19.70		
10	16QAM	1	25	19.72	19.72	19.86		
10	16QAM	1	49	19.59	19.69	19.76	20.9	0
10	16QAM	25	0	19.75	19.95	19.64		
10	16QAM	25	12	19.77	19.97	19.85		
10	16QAM	25	25	19.75	19.94	19.72	20.9	0
10	16QAM	50	0	19.84	19.68	19.76		
10	64QAM	1	0	19.74	19.61	19.55		
10	64QAM	1	25	19.57	19.94	19.71	20.9	0
10	64QAM	1	49	19.65	19.69	19.49		
10	64QAM	25	0	19.20	19.37	19.27		
10	64QAM	25	12	19.22	19.32	19.38	20.4	0.5
10	64QAM	25	25	19.46	19.29	19.23		
10	64QAM	50	0	19.29	19.22	19.38		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.85	19.60	19.74	20.9	0
5	QPSK	1	12	19.79	19.90	19.96		
5	QPSK	1	24	19.95	19.66	19.59		
5	QPSK	12	0	19.60	19.74	19.66	20.9	0
5	QPSK	12	7	19.79	19.75	19.95		
5	QPSK	12	13	19.75	19.74	19.55		
5	QPSK	25	0	19.85	19.63	19.91	20.9	0
5	16QAM	1	0	19.80	19.75	19.63		
5	16QAM	1	12	19.57	19.92	19.83		
5	16QAM	1	24	19.67	19.82	19.76	20.9	0
5	16QAM	12	0	19.86	19.65	19.96		
5	16QAM	12	7	19.75	19.95	19.87		
5	16QAM	12	13	19.68	19.67	19.68	20.9	0
5	16QAM	25	0	19.85	19.77	19.72		
5	64QAM	1	0	19.64	19.53	19.63		
5	64QAM	1	12	19.86	19.87	19.55	20.9	0
5	64QAM	1	24	19.69	19.36	19.76		
5	64QAM	12	0	19.30	19.13	19.37		
5	64QAM	12	7	19.25	19.37	19.36	20.4	0.5
5	64QAM	12	13	19.51	19.37	19.43		
5	64QAM	25	0	19.16	19.16	19.18		

Band 38_Ant 31

BW [MHz]	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	22.54	22.54	22.45	23.8	0
20	QPSK	1	49	22.76	22.72	22.64		
20	QPSK	1	99	22.57	22.64	22.63		
20	QPSK	50	0	21.74	21.74	21.70	22.8	1
20	QPSK	50	24	21.85	21.84	21.79		
20	QPSK	50	50	21.72	21.77	21.78		
20	QPSK	100	0	21.82	21.74	21.72	22.8	1
20	16QAM	1	0	21.80	21.75	21.76		
20	16QAM	1	49	22.03	21.99	21.92		
20	16QAM	1	99	21.82	21.90	21.83	21.8	2
20	16QAM	50	0	20.75	20.77	20.75		
20	16QAM	50	24	20.81	20.85	20.78		
20	16QAM	50	50	20.80	20.81	20.76	21.8	2
20	16QAM	100	0	20.74	20.77	20.74		
20	64QAM	1	0	20.63	20.65	20.58		
20	64QAM	1	49	20.80	20.83	20.78	21.8	2
20	64QAM	1	99	20.63	20.74	20.65		
20	64QAM	50	0	19.69	19.71	19.68		
20	64QAM	50	24	19.73	19.77	19.74	20.8	3
20	64QAM	50	50	19.71	19.74	19.73		
20	64QAM	100	0	19.70	19.73	19.73		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.64	22.66	22.64	23.8	0
15	QPSK	1	37	22.73	22.76	22.77		
15	QPSK	1	74	22.75	22.66	22.69		
15	QPSK	36	0	21.72	21.71	21.69	22.8	1
15	QPSK	36	20	21.74	21.73	21.68		
15	QPSK	36	39	21.71	21.70	21.70		
15	QPSK	75	0	21.74	21.68	21.73	22.8	1
15	16QAM	1	0	21.81	21.81	21.75		
15	16QAM	1	37	21.89	21.80	21.80		
15	16QAM	1	74	21.93	21.82	21.84	21.8	2
15	16QAM	36	0	20.70	20.69	20.65		
15	16QAM	36	20	20.69	20.72	20.66		
15	16QAM	36	39	20.73	20.69	20.69	21.8	2
15	16QAM	75	0	20.74	20.73	20.71		
15	64QAM	1	0	20.67	20.67	20.59		
15	64QAM	1	37	20.77	20.80	20.83	21.8	2
15	64QAM	1	74	20.76	20.69	20.71		
15	64QAM	36	0	19.69	19.69	19.67		
15	64QAM	36	20	19.68	19.72	19.70	20.8	3
15	64QAM	36	39	19.70	19.71	19.69		
15	64QAM	75	0	19.70	19.67	19.67		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.61	22.65	22.59	23.8	0
10	QPSK	1	49	22.71	22.69	22.64		
10	QPSK	1	25	22.69	22.64	22.63		
10	QPSK	25	0	21.75	21.78	21.75	22.8	1
10	QPSK	25	12	21.71	21.76	21.73		
10	QPSK	25	25	21.72	21.70	21.79		
10	QPSK	50	0	21.75	21.73	21.78	22.8	1
10	16QAM	1	0	21.84	21.90	21.84		
10	16QAM	1	25	21.90	21.89	21.90		
10	16QAM	1	49	21.87	21.86	21.86	20.8	1
10	16QAM	25	0	20.76	20.79	20.76		
10	16QAM	25	12	20.79	20.74	20.76		
10	16QAM	25	25	20.75	20.74	20.80	21.8	2
10	16QAM	50	0	20.76	20.78	20.79		
10	64QAM	1	0	20.73	20.71	20.67		
10	64QAM	1	25	20.74	20.74	20.74	21.8	2
10	64QAM	1	49	20.69	20.71	20.72		
10	64QAM	25	0	19.78	19.82	19.77		
10	64QAM	25	12	19.77	19.77	19.76	20.8	3
10	64QAM	25	25	19.74	19.75	19.83		
10	64QAM	50	0	19.71	19.70	19.70		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.66	22.62	22.62	23.8	0
5	QPSK	1	12	22.71	22.66	22.66		
5	QPSK	1	24	22.67	22.62	22.68		
5	QPSK	12	0	21.78	21.78	21.75	22.8	1
5	QPSK	12	7	21.73	21.69	21.80		
5	QPSK	12	13	21.70	21.75	21.72		
5	QPSK	25	0	21.77	21.76	21.76	22.8	1
5	16QAM	1	0	21.89	21.89	21.86		
5	16QAM	1	12	21.91	21.89	21.91		
5	16QAM	1	24	21.86	21.88	21.87	21.8	2
5	16QAM	12	0	20.76	20.76	20.76		
5	16QAM	12	7	20.75	20.68	20.77		
5	16QAM	12	13	20.70	20.74	20.71	21.8	2
5	16QAM	25	0	20.78	20.81	20.80		
5	64QAM	1	0	20.73	20.77	20.73		
5	64QAM	1	12	20.77	20.76	20.76	21.8	2
5	64QAM	1	24	20.73	20.77	20.78		
5	64QAM	12	0	19.75	19.81	19.72		
5	64QAM	12	7	19.73	19.70	19.73	20.8	3
5	64QAM	12	13	19.75	19.73	19.73		
5	64QAM	25	0	19.75	19.81	19.81		

Band 41_Ant 31														
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	22.40	22.35	22.51	22.54	22.60	23.8	0				
20	QPSK	1	49	22.46	22.51	22.82	22.71	22.78						
20	QPSK	1	99	22.39	22.48	22.60	22.64	22.59						
20	QPSK	50	0	21.46	21.63	21.77	21.77	21.79						
20	QPSK	50	24	21.67	21.65	21.83	21.80	21.81	22.8	1				
20	QPSK	50	50	21.63	21.62	21.74	21.78	21.77						
20	QPSK	100	0	21.53	21.62	21.79	21.74	21.76						
20	16QAM	1	0	21.52	21.59	21.74	21.77	21.85						
20	16QAM	1	49	21.72	21.81	22.01	21.94	22.07	22.8	1				
20	16QAM	1	99	21.59	21.72	21.84	21.86	21.89						
20	16QAM	50	0	20.46	20.57	20.76	20.79	20.81						
20	16QAM	50	24	20.58	20.63	20.81	20.85	20.93						
20	16QAM	50	50	20.63	20.64	20.81	20.82	20.86	21.8	2				
20	16QAM	100	0	20.57	20.59	20.76	20.78	20.80						
20	64QAM	1	0	20.38	20.44	20.59	20.65	20.71						
20	64QAM	1	49	20.60	20.72	20.79	20.77	20.86						
20	64QAM	1	99	20.46	20.56	20.66	20.72	20.75	21.8	2				
20	64QAM	50	0	19.40	19.56	19.73	19.71	19.76						
20	64QAM	50	24	19.53	19.58	19.76	19.80	19.84						
20	64QAM	50	50	19.57	19.59	19.74	19.75	19.79						
20	64QAM	100	0	19.52	19.59	19.74	19.71	19.79	20.8	3				
Channel				39725	40173	40620	41068	41515				Tune-up limit (dbm)		MPR (db)
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5						
15	QPSK	1	0	22.47	22.58	22.66	22.62	22.61				23.8	0	
15	QPSK	1	37	22.59	22.75	22.81	22.79	22.65						
15	QPSK	1	74	22.53	22.66	22.69	22.65	22.64						
15	QPSK	36	0	21.45	21.62	21.69	21.68	21.70						
15	QPSK	36	20	21.55	21.64	21.69	21.73	21.70	22.8	1				
15	QPSK	36	39	21.54	21.65	21.72	21.69	21.68						
15	QPSK	75	0	21.55	21.64	21.73	21.76	21.73						
15	16QAM	1	0	21.62	21.76	21.83	21.76	21.74						
15	16QAM	1	37	21.79	21.90	21.90	21.90	21.83	22.8	1				
15	16QAM	1	74	21.68	21.80	21.85	21.82	21.75						
15	16QAM	36	0	20.45	20.63	20.69	20.67	20.64						
15	16QAM	36	20	20.55	20.62	20.73	20.75	20.64						
15	16QAM	36	39	20.55	20.61	20.71	20.73	20.68	21.8	2				
15	16QAM	75	0	20.53	20.61	20.74	20.73	20.65						
15	64QAM	1	0	20.47	20.55	20.65	20.63	20.59						
15	64QAM	1	37	20.64	20.70	20.79	20.72	20.68						
15	64QAM	1	74	20.55	20.65	20.67	20.70	20.57	21.8	2				
15	64QAM	36	0	19.43	19.60	19.70	19.65	19.69						
15	64QAM	36	20	19.52	19.62	19.68	19.72	19.64						
15	64QAM	36	39	19.54	19.62	19.68	19.67	19.66						
15	64QAM	75	0	19.53	19.62	19.70	19.71	19.62	20.8	3				
Channel				39700	40160	40620	41080	41540				Tune-up limit (dbm)		MPR (db)
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	22.42	22.54	22.66	22.60	22.58				23.8	0	
10	QPSK	1	25	22.54	22.60	22.72	22.63	22.62						
10	QPSK	1	49	22.48	22.50	22.59	22.61	22.58						
10	QPSK	25	0	21.53	21.68	21.73	21.76	21.76						
10	QPSK	25	12	21.53	21.62	21.74	21.84	21.73	22.8	1				
10	QPSK	25	25	21.56	21.65	21.74	21.75	21.77						
10	QPSK	50	0	21.53	21.64	21.75	21.79	21.73						
10	16QAM	1	0	21.75	21.78	21.89	21.87	21.83						
10	16QAM	1	25	21.76	21.83	21.93	21.92	21.85	22.8	1				
10	16QAM	1	49	21.69	21.81	21.87	21.86	21.84						
10	16QAM	25	0	20.56	20.71	20.78	20.78	20.75						
10	16QAM	25	12	20.60	20.69	20.79	20.78	20.74						
10	16QAM	25	25	20.60	20.66	20.78	20.78	20.75	21.8	2				
10	16QAM	50	0	20.58	20.88	20.79	20.78	20.73						
10	64QAM	1	0	20.50	20.61	20.74	20.71	20.68						
10	64QAM	1	25	20.55	20.68	20.81	20.77	20.71						
10	64QAM	1	49	20.55	20.62	20.71	20.71	20.65	21.8	2				
10	64QAM	25	0	19.56	19.72	19.78	19.85	19.76						
10	64QAM	25	12	19.60	19.70	19.77	19.79	19.80						
10	64QAM	25	25	19.58	19.67	19.79	19.79	19.72						
10	64QAM	50	0	19.49	19.64	19.71	19.77	19.68	20.8	3				
Channel				39675	40148	40620	41093	41565				Tune-up limit (dbm)		MPR (db)
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	22.47	22.57	22.66	22.63	22.62				23.8	0	
5	QPSK	1	12	22.57	22.66	22.72	22.65	22.65						
5	QPSK	1	24	22.51	22.64	22.67	22.68	22.65						
5	QPSK	12	0	21.55	21.68	21.76	21.72	21.72						
5	QPSK	12	7	21.56	21.64	21.76	21.72	21.77	22.8	1				
5	QPSK	12	13	21.57	21.69	21.67	21.74	21.74						
5	QPSK	25	0	21.57	21.70	21.74	21.74	21.71						
5	16QAM	1	0	21.64	21.78	21.87	21.84	21.83						
5	16QAM	1	12	21.67	21.84	21.88	21.83	21.82	22.8	1				
5	16QAM	1	24	21.73	21.81	21.89	21.88	21.84						
5	16QAM	12	0	20.54	20.69	20.75	20.75	20.73						
5	16QAM	12	7	20.56	20.68	20.72	20.77	20.76						
5	16QAM	12	13	20.55	20.62	20.72	20.74	20.69	21.8	2				
5	16QAM	25	0	20.62	20.73	20.76	20.77	20.76						
5	64QAM	1	0	20.58	20.70	20.76	20.79	20.76						
5	64QAM	1	12	20.64	20.66	20.86	20.80	20.73						
5	64QAM	1	24	20.54	20.70	20.78	20.77	20.67	21.8	2				
5	64QAM	12	0	19.53	19.68	19.74	19.77	19.76						
5	64QAM	12	7	19.52	19.67	19.74	19.74	19.74						
5	64QAM	12	13	19.53	19.65	19.72	19.73	19.65						
5	64QAM	25	0	19.59	19.72	19.80	19.77	19.76	20.8	3				

Reduced Power Mode for DS18/10

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.33	32.36	32.30	33.50	23.33	23.36	23.30	23.30	24.50
GPRS 1 Tx slot	32.31	32.35	32.28	33.50	23.31	23.35	23.28	24.50	24.50
GPRS 2 Tx slots	29.99	30.02	30.06	30.50	23.99	24.02	24.06	24.50	24.50
GPRS 3 Tx slots	28.01	28.02	28.08	28.50	23.75	23.76	23.82	24.24	24.24
GPRS 4 Tx slots	27.15	27.25	27.23	28.00	24.15	24.25	24.23	25.00	25.00
EDGE(GMSK 1 Tx slot)	32.10	32.13	32.18	33.50	23.10	23.13	23.18	24.50	24.50
EDGE(GMSK 2 Tx slots)	29.96	30.02	30.06	30.50	23.96	24.02	24.06	24.50	24.50
EDGE(GMSK 3 Tx slots)	28.02	28.00	28.06	28.50	23.76	23.74	23.80	24.24	24.24
EDGE(GMSK 4 Tx slots)	27.03	27.03	27.17	28.00	24.03	24.03	24.17	25.00	25.00
EDGE 1 Tx slot	26.81	26.76	26.73	27.50	17.81	17.76	17.73	18.50	18.50
EDGE 2 Tx slots	24.57	24.68	24.45	25.50	16.57	16.68	16.45	19.50	19.50
EDGE 3 Tx slots	22.52	22.43	22.26	23.50	16.26	16.17	16.00	19.24	19.24
EDGE 4 Tx slots	20.67	20.61	20.65	22.00	17.87	17.91	17.65	19.00	19.00

GSM1900_Ant 13	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)	1650.2	1680	1699.8	1650.2	1680	1699.8	1650.2	1680
GSM 1 Tx slot	28.77	28.82	28.73	30.00	19.77	19.82	19.73	21.00
GPRS 1 Tx slot	28.75	28.80	28.71	30.00	19.75	19.80	19.71	21.00
GPRS 2 Tx slots	25.45	25.49	25.28	26.00	19.45	19.49	19.28	20.00
GPRS 3 Tx slots	23.50	23.51	23.25	24.00	19.24	19.25	18.99	19.74
GPRS 4 Tx slots	21.91	21.93	21.76	22.50	18.91	18.93	18.76	19.50
EDGE(GMSK 1 Tx slot)	28.72	28.77	28.70	30.00	19.72	19.77	19.70	21.00
EDGE(GMSK 2 Tx slots)	25.50	25.52	25.37	26.00	19.50	19.52	19.37	20.00
EDGE(GMSK 3 Tx slots)	23.49	23.55	23.37	24.00	19.23	19.29	19.11	19.74
EDGE(GMSK 4 Tx slots)	21.97	22.01	21.76	22.50	18.97	19.01	18.76	19.50
EDGE 1 Tx slot	26.41	26.32	26.25	26.50	17.41	17.32	17.25	17.50
EDGE 2 Tx slots	24.47	24.21	24.15	24.50	16.47	16.21	16.15	16.50
EDGE 3 Tx slots	22.33	22.04	21.84	22.50	16.07	15.78	15.58	16.24
EDGE 4 Tx slots	20.27	20.22	19.92	21.00	17.27	17.22	16.92	18.00

Band	WCDMA I_Ant 13			Tune-up Limit (dBm)	WCDMA I_Ant 31			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9662	9800	9938	9662	9800	9938	9662	9800	9938
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99 AMR 12.2Kbps	18.65	18.71	18.55	19.80	19.62	19.64	19.71	20.70	20.70
3GPP Rel 99 RMC 12.2Kbps	18.68	18.73	18.56	19.80	19.64	19.66	19.73	20.70	20.70
3GPP Rel 6 HSDPA Subtest-1	17.84	17.82	17.65	18.80	18.89	19.01	18.86	19.70	19.70
3GPP Rel 6 HSDPA Subtest-2	17.81	17.80	17.61	18.80	19.00	18.99	18.86	19.70	19.70
3GPP Rel 6 HSDPA Subtest-3	17.38	17.33	17.15	18.30	18.56	18.53	18.41	19.20	19.20
3GPP Rel 6 HSDPA Subtest-4	17.36	17.29	17.14	18.30	18.49	18.49	18.36	19.20	19.20
3GPP Rel 6 HSUPA Subtest-1	16.77	16.50	16.45	16.80	17.61	17.57	17.52	17.70	17.70
3GPP Rel 6 HSUPA Subtest-2	16.62	16.50	16.43	16.80	17.63	17.62	17.50	17.70	17.70
3GPP Rel 6 HSUPA Subtest-3	17.71	17.44	17.48	17.80	18.58	18.54	18.50	18.70	18.70
3GPP Rel 6 HSUPA Subtest-4	16.17	16.00	16.13	16.30	17.20	17.18	17.03	17.70	17.70
3GPP Rel 6 HSUPA Subtest-5	17.70	17.70	17.60	17.80	18.60	18.60	18.50	18.70	18.70
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.29	16.16	16.45	16.80	17.55	17.58	17.47	17.70	17.70

Band	WCDMA V_Ant 13				Tune-up Limit (dBm)	WCDMA V_Ant 41				Tune-up Limit (dBm)		
	4132	4182	4233			4132	4182	4233				
TX Channel	4357	4407	4455		4357	4407	4455		4357	4407	4455	
Frequency (MHz)	626.4	636.4	646.6		626.4	636.4	646.6		626.4	636.4	646.6	
3GPP Rel 99 AMR 12.2Kbps	22.92	22.95	22.85		24.00	23.02	23.07		22.96	24.00	24.00	
3GPP Rel 99 RMC 12.2Kbps	22.94	22.97	22.87		24.00	23.04	23.09		22.99	24.00	24.00	
3GPP Rel 6 HSDPA Subtest-1	21.82	21.96	21.80		23.00	22.00	22.10		21.89	23.00	23.00	
3GPP Rel 6 HSDPA Subtest-2	21.84	21.96	21.84		23.00	22.02	22.05		21.98	23.00	23.00	
3GPP Rel 6 HSDPA Subtest-3	21.48	21.53	21.41		22.50	21.54	21.61		21.53	22.50	22.50	
3GPP Rel 6 HSDPA Subtest-4	21.44	21.47	21.36		22.50	21.53	21.57		21.46	22.50	22.50	
3GPP Rel 6 HSUPA Subtest-1	20.63	20.78	20.72		21.00	20.77	20.84		20.77	21.00	21.00	
3GPP Rel 6 HSUPA Subtest-2	20.75	20.78	20.73		21.00	20.74	20.84		20.76	21.00	21.00	
3GPP Rel 6 HSUPA Subtest-3	21.72	21.75	21.77		22.00	21.81	21.88		21.80	22.00	22.00	
3GPP Rel 6 HSUPA Subtest-4	20.33	20.36	20.26		20.50	20.31	20.38		20.28	20.50	20.50	
3GPP Rel 6 HSUPA Subtest-5	21.73	21.80	21.70		22.00	21.70	21.80		21.80	22.00	22.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.55	20.68	20.82		21.00	20.63	20.70		20.85	21.00	21.00	

GSM850_Ant 41	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.35	32.26	32.35	33.50	23.35	23.26	23.35	23.35	24.50
GPRS 1 Tx slot	32.33	32.23	32.32	33.50	23.33	23.23	23.32	23.32	24.50
GPRS 2 Tx slots	29.43	29.38	29.44	30.00	23.43	23.38	23.44	23.44	24.00
GPRS 3 Tx slots	27.96	27.86	27.95	28.50	23.70	23.60	23.69	23.69	24.24
GPRS 4 Tx slots	26.84	26.95	26.93	27.50	23.94	23.95	23.93	23.93	24.50
EDGE(GMSK 1 Tx slot)	32.24	32.16	32.16	33.50	23.24	23.16	23.16	23.16	24.50
EDGE(GMSK 2 Tx slots)	29.45	29.38	29.45	30.00	23.45	23.38	23.45	23.45	24.00
EDGE(GMSK 3 Tx slots)	27.96	27.86	27.94	28.50	23.70	23.62	23.68	23.68	24.24
EDGE(GMSK 4 Tx slots)	26.93	26.86	26.92	27.50	23.93	23.86	23.92	23.92	24.50
EDGE 1 Tx slot	26.85	26.84	26.61	27.50	17.85	17.84	17.61	17.61	18.50
EDGE 2 Tx slots	24.57	24.75	24.62	25.50	18.57	18.75	18.62	18.62	19.50
EDGE 3 Tx slots	22.48	22.54	22.31	23.50	18.22	18.28	18.05	18.05	19.24
EDGE 4 Tx slots	20.97	20.99	20.76	22.00	17.97	17.99	17.76	17.76	19.00

GSM1900_Ant 31	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame Average Power (dBm)				Tune-up Limit (dBm)
TX Channel	512	661	810	Limit (dBm)		512	661	810	Limit (dBm)	
Frequency (MHz)	1650.2	1680	1699.8	1650.2	1650.2	1680	1699.8	1650.2	1650.2	
GSM 1 Tx slot	29.00	29.07	29.03	29.50	20.00	20.07	20.03	20.50	20.50	
GPRS 1 Tx slot	28.98	29.05	29.01	29.50	19.98	20.05	20.01	20.50	20.50	
GPRS 2 Tx slots	24.79	24.89	24.79	25.00	18.79	18.89	18.79	19.00	19.00	
GPRS 3 Tx slots	23.24	23.36	23.27	23.50	18.98	19.10	19.01	19.24	19.24	
GPRS 4 Tx slots	22.17	22.26	22.17	22.50	19.17	19.26	19.17	19.50	19.50	
EDGE(GMSK 1 Tx slot)	28.91	29.00	28.98	29.50	19.91	20.00	19.98	20.50	20.50	
EDGE(GMSK 2 Tx slots)	24.73	24.80	24.73	25.00	18.73	18.80	18.73	19.00	19.00	
EDGE(GMSK 3 Tx slots)	23.19	23.27	23.19	23.50	18.93	19.01	18.93	19.24	19.24	
EDGE(GMSK 4 Tx slots)	22.12	22.17	22.08	22.50	19.12	19.17	19.08	19.50	19.50	
EDGE 1 Tx slot	26.40	26.41	26.39	26.50	17.40	17.41	17.39	17.50	17.50	
EDGE 2 Tx slots	24.45	24.46	24.45	24.50	16.45	16.46	16.45	16.50	16.50	
EDGE 3 Tx slots	22.47	22.25	22.11	22.50	16.21	17.99	17.85	18.24	18.24	
EDGE 4 Tx slots	20.73	20.58	20.57	21.00	17.73	17.58	17.57	18.00	18.00	

Band	WCDMA IV_Ant 13			Tune-up Limit (dBm)	WCDMA IV_Ant 31			Tune-up Limit (dBm)
	1312	1413	1513		1312	1413	1513	
TX Channel	1312	1413	1513		1312	1413	1513	
RX Channel	1537	1638	1738		1537	1638	1738	
Frequency (MHz)	1712.4	1722.6	1732.6		1712.4	1722.6	1732.6	
3GPP Rel 99 AMR 12.2Kbps	18.70	18.80	18.78		19.22	19.30	19.30	20.20
3GPP Rel 99 RMC 12.2Kbps	18.72	18.82	18.80		19.25	19.34	19.32	20.20
3GPP Rel 6 HSDPA Subtest-1	17.71	17.77	17.78	18.80	18.20	18.30	18.34	19.20
3GPP Rel 6 HSDPA Subtest-2	17.69	17.75	17.76	18.80	18.20	18.29	18.32	19.20
3GPP Rel 6 HSDPA Subtest-3	17.18	17.28	17.32	18.30	17.70	17.82	17.86	18.70
3GPP Rel 6 HSDPA Subtest-4	17.18	17.24	17.26	18.30	17.69	17.78	17.82	18.70
3GPP Rel 6 HSUPA Subtest-1	16.71	16.68	16.61	16.80	16.96	17.02	17.06	17.20
3GPP Rel 6 HSUPA Subtest-2	16.45	16.49	16.72	16.80	16.99	17.06	17.10	17.20
3GPP Rel 6 HSUPA Subtest-3	17.54	17.58	17.65	17.80	18.01	18.10	18.14	18.20
3GPP Rel 6 HSUPA Subtest-4	16.21	16.19	16.16	16.30	16.50	16.58	16.62	17.20
3GPP Rel 6 HSPA+ (16QAM) Subtest-1	16.60	17.78	17.52	17.80	17.93	18.10	18.10	18.20
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.53	16.41	16.53	16.80	16.77	16.85	16.80	17.20

Band 2_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100	19100			
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	18.65	18.66	18.64	19.5	0		
20	QPSK	1	49	18.69	18.71	18.65				
20	QPSK	1	99	18.47	18.51	18.51				
20	QPSK	50	0	18.62	18.65	18.57	19.5	0		
20	QPSK	50	24	18.62	18.69	18.65				
20	QPSK	50	50	18.62	18.56	18.56				
20	QPSK	100	0	18.62	18.67	18.59	19.5	0		
20	16QAM	1	0	18.52	18.63	18.58				
20	16QAM	1	49	18.67	18.70	18.58				
20	16QAM	1	99	18.40	18.48	18.44	19.5	0		
20	16QAM	50	0	18.60	18.55	18.50				
20	16QAM	50	24	18.70	18.55	18.57				
20	16QAM	50	50	18.62	18.47	18.47	19.5	0		
20	16QAM	100	0	18.57	18.50	18.53				
20	64QAM	1	0	18.54	18.66	18.44	19.5	0		
20	64QAM	1	49	18.60	18.70	18.55				
20	64QAM	1	99	18.65	18.57	18.32				
20	64QAM	50	0	18.59	18.54	18.57	19.5	0		
20	64QAM	50	24	18.70	18.52	18.49				
20	64QAM	50	50	18.47	18.50	18.45				
20	64QAM	100	0	18.53	18.54	18.38	19100	Tune-up limit (dBm)	MPR (dB)	
Channel				18975	18900	19125				
Frequency (MHz)				18975	18900	19125	19125			
15	QPSK	1	0	18.61	18.63	18.61		19.5	0	
15	QPSK	1	37	18.42	18.43	18.53				
15	QPSK	1	74	18.35	18.29	18.42				
15	QPSK	36	0	18.68	18.42	18.63	19.5	0		
15	QPSK	36	20	18.61	18.51	18.60				
15	QPSK	36	39	18.56	18.51	18.39				
15	QPSK	75	0	18.69	18.55	18.49	19.5	0		
15	16QAM	1	0	18.36	18.63	18.65				
15	16QAM	1	37	18.65	18.43	18.27				
15	16QAM	1	74	18.30	18.54	18.25	19.5	0		
15	16QAM	36	0	18.56	18.54	18.42				
15	16QAM	36	20	18.50	18.53	18.51				
15	16QAM	36	39	18.48	18.55	18.28	19.5	0		
15	16QAM	75	0	18.61	18.49	18.48				
15	64QAM	1	0	18.28	18.58	18.37				
15	64QAM	1	37	18.36	18.54	18.29	19.5	0		
15	64QAM	1	74	18.50	18.42	18.23				
15	64QAM	36	0	18.50	18.60	18.35				
15	64QAM	36	20	18.51	18.35	18.38	19.5	0		
15	64QAM	36	39	18.45	18.30	18.48				
15	64QAM	75	0	18.61	18.41	18.38				
Channel				18850	18900	19150	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1905				
10	QPSK	1	0	18.43	18.63	18.64	19.5	0		
10	QPSK	1	25	18.45	18.66	18.38				
10	QPSK	1	49	18.39	18.49	18.42				
10	QPSK	25	0	18.61	18.42	18.31	19.5	0		
10	QPSK	25	12	18.38	18.54	18.27				
10	QPSK	25	25	18.48	18.52	18.46				
10	QPSK	50	0	18.38	18.62	18.48	19.5	0		
10	16QAM	1	0	18.30	18.55	18.34				
10	16QAM	1	25	18.69	18.63	18.49				
10	16QAM	1	49	18.39	18.56	18.42	19.5	0		
10	16QAM	25	0	18.34	18.27	18.26				
10	16QAM	25	12	18.54	18.62	18.41				
10	16QAM	25	25	18.52	18.35	18.24	19.5	0		
10	16QAM	50	0	18.29	18.40	18.47				
10	64QAM	1	0	18.62	18.42	18.19				
10	64QAM	1	25	18.57	18.63	18.46	19.5	0		
10	64QAM	1	49	18.63	18.65	18.33				
10	64QAM	25	0	18.39	18.56	18.36				
10	64QAM	25	12	18.65	18.42	18.21	19.5	0		
10	64QAM	25	25	18.39	18.35	18.27				
10	64QAM	50	0	18.34	18.31	18.35				
Channel				18825	18900	19175	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1902.5				
5	QPSK	1	0	18.50	18.61	18.38	19.5	0		
5	QPSK	1	12	18.65	18.68	18.41				
5	QPSK	1	24	18.42	18.50	18.52				
5	QPSK	12	0	18.58	18.61	18.36	19.5	0		
5	QPSK	12	7	18.57	18.48	18.68				
5	QPSK	12	13	18.41	18.39	18.64				
5	QPSK	25	0	18.37	18.64	18.66	19.5	0		
5	16QAM	1	0	18.48	18.49	18.62				
5	16QAM	1	12	18.15	18.28	18.35				
5	16QAM	1	24	18.15	18.28	18.35	19.5	0		
5	16QAM	12	0	18.67	18.43	18.34				
5	16QAM	12	7	18.58	18.42	18.31				
5	16QAM	12	13	18.53	18.26	18.55	19.5	0		
5	16QAM	25	0	18.55	18.34	18.40				
5	64QAM	1	0	18.46	18.69	18.37				
5	64QAM	1	12	18.44	18.60	18.30	19.5	0		
5	64QAM	1	24	18.55	18.42	18.11				
5	64QAM	12	0	18.40	18.56	18.33				
5	64QAM	12	7	18.48	18.36	18.37	19.5	0		
5	64QAM	12	13	18.31	18.48	18.46				
5	64QAM	25	0	18.34	18.61	18.56				
Channel				18815	18900	19185	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1881.5	1880	1908.5				
3	QPSK	1	0	18.41	18.49	18.43	19.5	0		
3	QPSK	1	8	18.60	18.58	18.47				
3	QPSK	1	14	18.55	18.44	18.28				
3	QPSK	8	0	18.47	18.41	18.44	19.5	0		
3	QPSK	8	4	18.63	18.69	18.44				
3	QPSK	8	7	18.47	18.38	18.56				
3	QPSK	15	0	18.40	18.63	18.44	19.5	0		
3	16QAM	1	0	18.33	18.38	18.48				
3	16QAM	1	8	18.46	18.63	18.39				
3	16QAM	1	14	18.37	18.54	18.40	19.5	0		
3	16QAM	8	0	18.66	18.38	18.58				
3	16QAM	8	4	18.63	18.28	18.32				
3	16QAM	8	7	18.34	18.19	18.32	19.5	0		
3	16QAM	15	0	18.62	18.54	18.53				
3	64QAM	1	0	18.39	18.47	18.23				
3	64QAM	1	8	18.44	18.44	18.51	19.5	0		
3	64QAM	1	14	18.46	18.56	18.30				
3	64QAM	8	0	18.49	18.54	18.32				
3	64QAM	8	4	18.52	18.38	18.51	19.5	0		

Band 4_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.30	19.39	19.36	21.1	0	
20	QPSK	1	49	19.57	19.58	19.60			
20	QPSK	1	99	19.37	19.33	19.42			
20	QPSK	50	0	19.53	19.34	19.56	21.1	0	
20	QPSK	50	24	19.55	19.56	19.58			
20	QPSK	50	50	19.53	19.46	19.48			
20	QPSK	100	0	19.54	19.55	19.57	21.1	0	
20	16QAM	1	0	19.29	19.23	19.38			
20	16QAM	1	49	19.51	19.37	19.52			
20	16QAM	1	99	19.40	19.41	19.36	21.1	0	
20	16QAM	50	0	19.41	19.19	19.52			
20	16QAM	50	24	19.39	19.46	19.48			
20	16QAM	50	50	19.42	19.37	19.39	21.1	0	
20	16QAM	100	0	19.35	19.29	19.49			
20	64QAM	1	0	19.17	19.35	19.37			
20	64QAM	1	49	19.48	19.54	19.55	21.1	0	
20	64QAM	1	99	19.36	19.38	19.39			
20	64QAM	50	0	19.42	19.24	19.54			
20	64QAM	50	24	19.30	19.38	19.50	21.1	0	
20	64QAM	50	50	19.36	19.31	19.42			
20	64QAM	100	0	19.34	19.28	19.51			
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	19.29	19.39	19.35	21.1	0	
15	QPSK	1	37	19.54	19.56	19.51			
15	QPSK	1	74	19.22	19.23	19.50			
15	QPSK	36	0	19.46	19.18	19.39	21.1	0	
15	QPSK	36	20	19.29	19.39	19.54			
15	QPSK	36	39	19.28	19.44	19.36			
15	QPSK	75	0	19.51	19.36	19.52	21.1	0	
15	16QAM	1	0	19.13	19.28	19.26			
15	16QAM	1	37	19.32	19.28	19.53			
15	16QAM	1	74	19.37	19.44	19.40	21.1	0	
15	16QAM	36	0	19.42	19.26	19.28			
15	16QAM	36	20	19.37	19.26	19.38			
15	16QAM	36	39	19.24	19.13	19.14	21.1	0	
15	16QAM	75	0	19.33	19.27	19.51			
15	64QAM	1	0	19.25	19.25	19.41			
15	64QAM	1	37	19.51	19.48	19.44	21.1	0	
15	64QAM	1	74	19.40	19.24	19.53			
15	64QAM	36	0	19.28	19.20	19.53			
15	64QAM	36	20	19.37	19.39	19.41	21.1	0	
15	64QAM	36	39	19.18	19.32	19.22			
15	64QAM	75	0	19.12	19.31	19.33			
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	19.37	19.27	19.13	21.1	0	
10	QPSK	1	25	19.39	19.32	19.55			
10	QPSK	1	49	19.29	19.15	19.19			
10	QPSK	25	0	19.35	19.28	19.52	21.1	0	
10	QPSK	25	12	19.39	19.54	19.47			
10	QPSK	25	25	19.26	19.50	19.39			
10	QPSK	50	0	19.52	19.50	19.32	21.1	0	
10	16QAM	1	0	19.36	19.22	19.28			
10	16QAM	1	25	19.26	19.40	19.31			
10	16QAM	1	49	19.23	19.38	19.36	21.1	0	
10	16QAM	25	0	19.39	19.22	19.53			
10	16QAM	25	12	19.20	19.35	19.21			
10	16QAM	25	25	19.43	19.45	19.17	21.1	0	
10	16QAM	50	0	19.26	19.23	19.55			
10	64QAM	1	0	19.15	19.28	19.44			
10	64QAM	1	25	19.40	19.54	19.38	21.1	0	
10	64QAM	1	49	19.25	19.27	19.14			
10	64QAM	25	0	19.37	19.18	19.57			
10	64QAM	25	12	19.16	19.40	19.31	21.1	0	
10	64QAM	25	25	19.31	19.35	19.15			
10	64QAM	50	0	19.28	19.14	19.29			
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	19.11	19.17	19.39	21.1	0	
5	QPSK	1	12	19.39	19.53	19.46			
5	QPSK	1	24	19.29	19.36	19.49			
5	QPSK	12	0	19.58	19.30	19.39	21.1	0	
5	QPSK	12	7	19.36	19.41	19.34			
5	QPSK	12	13	19.41	19.47	19.33			
5	QPSK	25	0	19.38	19.31	19.31	21.1	0	
5	16QAM	1	0	19.23	19.24	19.14			
5	16QAM	1	12	19.45	19.26	19.30			
5	16QAM	1	24	19.45	19.47	19.10	21.1	0	
5	16QAM	12	0	19.17	19.21	19.24			
5	16QAM	12	7	19.12	19.24	19.27			
5	16QAM	12	13	19.21	19.36	19.33	21.1	0	
5	16QAM	25	0	19.39	19.20	19.49			
5	64QAM	1	0	19.14	19.43	19.33			
5	64QAM	1	12	19.28	19.30	19.32	21.1	0	
5	64QAM	1	24	19.28	19.37	19.45			
5	64QAM	12	0	19.50	19.28	19.28			
5	64QAM	12	7	19.21	19.18	19.29	21.1	0	
5	64QAM	12	13	19.26	19.24	19.27			
5	64QAM	25	0	19.26	19.22	19.30			
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	19.33	19.40	19.12	21.1	0	
3	QPSK	1	8	19.50	19.31	19.41			
3	QPSK	1	14	19.35	19.36	19.18			
3	QPSK	8	0	19.48	19.28	19.50	21.1	0	
3	QPSK	8	4	19.37	19.44	19.55			
3	QPSK	8	7	19.34	19.47	19.52			
3	QPSK	15	0	19.58	19.53	19.36	21.1	0	
3	16QAM	1	0	19.10	19.28	19.18			
3	16QAM	1	8	19.25	19.28	19.54			
3	16QAM	1	14	19.15	19.29	19.43	21.1	0	
3	16QAM	8	0	19.16	19.16	19.35			
3	16QAM	8	4	19.22	19.53	19.26			
3	16QAM	8	7	19.41	19.27	19.14	21.1	0	
3	16QAM	15	0	19.25	19.10	19.47			
3	64QAM	1	0	19.10	19.17	19.20			
3	64QAM	1	8	19.30	19.47	19.47	21.1	0	
3	64QAM	1	14	19.13	19.28	19.13			
3	64QAM	8	0	19.41	19.22	19.51			
3	64QAM	8	4	19.25	19.44	19.58	21.1	0	
3	64QAM	8	7	19.31	19.37	19.16			
3	64QAM	15	0	19.42	19.28	19.59			
Channel				19957	20175	20393			
Frequency (MHz)				17107	1732.5	1754.5			
1.4	QPSK	1	0	19.16	19.43	19.28	21.1	0	
1.4	QPSK	1	3	19.40	19.48	19.36			
1.4	QPSK	1	5	19.24	19.30	19.17			
1.4	QPSK	3	0	19.31	19.39	19.50	21.1	0	
1.4	QPSK	3	1	19.32	19.50	19.43			
1.4	QPSK	3	3	19.51	19.30	19.45			
1.4	QPSK	6	0	19.36	19.32	19.52	21.1	0	
1.4	16QAM	1	0	19.24	19.27	19.19			
1.4	16QAM	1	3	19.28	19.35	19.50	21.1	0	
1.4	16QAM	1	5	19.47	19.26	19.22			
1.4	16QAM	3	0	19.24	19.24	19.23			
1.4	16QAM	3	1	19.28	19.53	19.47	21.1	0	
1.4	16QAM	3	3	19.38	19.12	19.16			
1.4	16QAM	6	0	19.10	19.35	19.22			
1.4	64QAM	1	0	19.15	19.29	19.33	21.1	0	
1.4	64QAM	1	3	19.27	19.51	19.41			
1.4	64QAM	1	5	19.30	19.43	19.40			
1.4	64QAM	3	0	19.28	19.15	19.52	21.1	0	
1.4	64QAM	3	3	19.32	19.36	19.26			
1.4	64QAM	3	3	19.41	19.29	19.38			
1.4	64QAM	6	0	19.33	19.18	19.35	21.1	0	

Band 7_Ant 13									
BW [MHz]	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	14.72	14.77	14.69	16	0	
20	QPSK	1	49	14.84	15.04	14.92			
20	QPSK	1	99	14.80	14.93	14.90			
20	QPSK	50	0	14.80	14.97	14.85	16	0	
20	QPSK	50	24	14.82	15.02	14.90			
20	QPSK	50	50	14.80	14.96	14.86			
20	QPSK	100	0	14.89	15.00	14.85	16	0	
20	16QAM	1	0	15.03	15.02	14.70			
20	16QAM	1	49	14.94	14.96	14.91			
20	16QAM	1	99	15.02	15.00	14.86	16	0	
20	16QAM	50	0	14.79	14.93	14.86			
20	16QAM	50	24	14.90	14.87	14.92			
20	16QAM	50	50	14.83	14.84	14.94	16	0	
20	16QAM	100	0	14.81	14.85	15.01			
20	64QAM	1	0	14.55	14.60	14.89			
20	64QAM	1	49	14.74	14.75	15.03	16	0	
20	64QAM	1	99	14.72	14.72	14.98			
20	64QAM	50	0	14.88	14.88	14.87			
20	64QAM	50	24	14.94	14.99	14.93	16	0	
20	64QAM	50	50	14.95	14.95	14.96			
20	64QAM	100	0	14.77	14.86	14.95			
Channel				20925	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	14.63	14.82	14.76	16	0	
15	QPSK	1	37	14.56	14.83	14.82			
15	QPSK	1	74	14.61	14.84	14.81			
15	QPSK	36	0	14.73	15.02	14.67	16	0	
15	QPSK	36	20	14.76	15.03	14.91			
15	QPSK	36	39	14.66	14.85	14.63			
15	QPSK	75	0	14.96	15.00	14.76	16	0	
15	16QAM	1	0	14.90	14.97	14.61			
15	16QAM	1	37	14.72	14.87	14.93			
15	16QAM	1	74	14.90	15.00	14.94	16	0	
15	16QAM	36	0	14.65	14.96	14.86			
15	16QAM	36	20	14.79	14.75	14.94			
15	16QAM	36	39	14.76	14.61	14.74	16	0	
15	16QAM	75	0	14.67	14.79	14.77			
15	64QAM	1	0	14.36	14.47	14.63			
15	64QAM	1	37	14.57	14.72	14.76	16	0	
15	64QAM	1	74	14.65	14.49	14.89			
15	64QAM	36	0	14.63	14.60	14.81			
15	64QAM	36	20	14.91	14.82	15.00	16	0	
15	64QAM	36	39	14.73	14.85	14.73			
15	64QAM	75	0	14.71	14.68	15.01			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	14.58	14.67	14.62	16	0	
10	QPSK	1	25	14.72	14.97	14.76			
10	QPSK	1	49	14.66	14.79	14.84			
10	QPSK	25	0	14.57	14.90	14.67	16	0	
10	QPSK	25	12	14.66	14.96	14.69			
10	QPSK	25	25	14.63	15.00	14.89			
10	QPSK	50	0	14.78	14.96	14.58	16	0	
10	16QAM	1	0	14.77	15.03	14.64			
10	16QAM	1	25	14.88	14.91	14.95			
10	16QAM	1	49	14.74	14.88	14.70	16	0	
10	16QAM	25	0	14.75	14.67	14.60			
10	16QAM	25	12	14.87	14.72	14.71			
10	16QAM	25	25	14.80	14.56	14.85	16	0	
10	16QAM	50	0	14.63	14.90	14.76			
10	64QAM	1	0	14.50	14.45	14.94			
10	64QAM	1	25	14.76	14.71	14.85	16	0	
10	64QAM	1	49	14.78	14.78	14.82			
10	64QAM	25	0	14.95	14.61	14.85			
10	64QAM	25	12	14.79	14.71	14.85	16	0	
10	64QAM	25	25	14.72	14.82	14.99			
10	64QAM	50	0	14.51	14.62	14.98			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	14.50	14.73	14.68	16	0	
5	QPSK	1	12	14.68	14.82	14.80			
5	QPSK	1	24	14.83	14.84	14.66			
5	QPSK	12	0	14.59	15.01	14.74	16	0	
5	QPSK	12	7	14.78	14.90	14.81			
5	QPSK	12	13	14.67	14.71	14.84			
5	QPSK	25	0	14.85	14.77	14.75	16	0	
5	16QAM	1	0	15.00	15.02	14.60			
5	16QAM	1	12	14.86	14.73	14.73			
5	16QAM	1	24	15.02	15.01	14.80	16	0	
5	16QAM	12	0	14.74	14.84	14.79			
5	16QAM	12	7	14.66	14.91	14.71			
5	16QAM	12	13	14.69	14.84	14.99	16	0	
5	16QAM	25	0	14.89	14.80	14.88			
5	64QAM	1	0	14.48	14.62	14.63			
5	64QAM	1	12	14.52	14.66	14.95	16	0	
5	64QAM	1	24	14.52	14.56	14.96			
5	64QAM	12	0	14.71	14.69	14.91			
5	64QAM	12	7	14.77	15.02	14.98	16	0	
5	64QAM	12	13	14.93	14.94	15.03			
5	64QAM	25	0	14.56	14.88	14.70			

Band 7_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.59	18.61	18.51	20	0	
20	QPSK	1	49	18.87	18.91	18.72			
20	QPSK	1	99	18.67	18.59	18.70			
20	QPSK	50	0	18.74	18.73	18.64	20	0	
20	QPSK	50	24	18.85	18.89	18.70			
20	QPSK	50	50	18.75	18.75	18.68			
20	QPSK	100	0	18.83	18.87	18.68	20	0	
20	16QAM	1	0	18.87	18.65	18.48			
20	16QAM	1	49	18.90	18.79	18.85			
20	16QAM	1	99	18.68	18.70	18.77	20	0	
20	16QAM	50	0	18.78	18.77	18.75			
20	16QAM	50	24	18.81	18.78	18.81			
20	16QAM	50	50	18.79	18.71	18.85	20	0	
20	16QAM	100	0	18.70	18.81	18.85			
20	64QAM	1	0	18.50	18.69	18.63			
20	64QAM	1	49	18.60	18.87	18.83	20	0	
20	64QAM	1	99	18.45	18.79	18.74			
20	64QAM	50	0	18.75	18.73	18.75			
20	64QAM	50	24	18.82	18.78	18.75	20	0	
20	64QAM	50	50	18.63	18.70	18.83			
20	64QAM	100	0	18.71	18.75	18.83			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.56	18.60	18.53	20	0	
15	QPSK	1	37	18.80	18.86	18.74			
15	QPSK	1	74	18.72	18.36	18.62			
15	QPSK	36	0	18.62	18.76	18.42	20	0	
15	QPSK	36	20	18.91	18.78	18.60			
15	QPSK	36	39	18.50	18.58	18.41			
15	QPSK	75	0	18.69	18.89	18.61	20	0	
15	16QAM	1	0	18.87	18.69	18.50	20	0	
15	16QAM	1	37	18.75	18.55	18.71			
15	16QAM	1	74	18.71	18.73	18.80			
15	16QAM	36	0	18.77	18.82	18.75	20	0	
15	16QAM	36	20	18.85	18.54	18.57			
15	16QAM	36	39	18.65	18.65	18.66			
15	16QAM	75	0	18.40	18.71	18.63	20	0	
15	64QAM	1	0	18.56	18.74	18.70			
15	64QAM	1	37	18.68	18.85	18.68			
15	64QAM	1	74	18.39	18.65	18.53	20	0	
15	64QAM	36	0	18.63	18.51	18.52			
15	64QAM	36	20	18.66	18.50	18.83			
15	64QAM	36	39	18.40	18.54	18.87	20	0	
15	64QAM	75	0	18.56	18.56	18.81			
Channel				20800	21100	21400			
Frequency (MHz)				2509	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.49	18.62	18.45	20	0	
10	QPSK	1	25	18.71	18.80	18.50			
10	QPSK	1	49	18.65	18.65	18.78			
10	QPSK	25	0	18.80	18.60	18.68	20	0	
10	QPSK	25	12	18.57	18.77	18.54			
10	QPSK	25	25	18.57	18.69	18.44			
10	QPSK	50	0	18.69	18.76	18.68	20	0	
10	16QAM	1	0	18.84	18.45	18.38			
10	16QAM	1	25	18.63	18.81	18.83			
10	16QAM	1	49	18.58	18.55	18.65	20	0	
10	16QAM	25	0	18.52	18.78	18.38			
10	16QAM	25	12	18.60	18.67	18.88			
10	16QAM	25	25	18.71	18.73	18.60	20	0	
10	16QAM	50	0	18.70	18.83	18.73			
10	64QAM	1	0	18.52	18.77	18.39			
10	64QAM	1	25	18.45	18.72	18.59	20	0	
10	64QAM	1	49	18.44	18.72	18.54			
10	64QAM	25	0	18.50	18.54	18.71			
10	64QAM	25	12	18.59	18.51	18.69	20	0	
10	64QAM	25	25	18.40	18.57	18.87			
10	64QAM	50	0	18.54	18.68	18.64			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.50	18.35	18.38	20	0	
5	QPSK	1	12	18.75	18.67	18.64			
5	QPSK	1	24	18.60	18.64	18.48			
5	QPSK	12	0	18.76	18.74	18.58	20	0	
5	QPSK	12	7	18.88	18.84	18.61			
5	QPSK	12	13	18.63	18.61	18.52			
5	QPSK	25	0	18.82	18.80	18.52	20	0	
5	16QAM	1	0	18.66	18.40	18.43			
5	16QAM	1	12	18.77	18.78	18.66			
5	16QAM	1	24	18.43	18.78	18.82	20	0	
5	16QAM	12	0	18.73	18.84	18.52			
5	16QAM	12	7	18.56	18.83	18.55			
5	16QAM	12	13	18.66	18.62	18.82	20	0	
5	16QAM	25	0	18.49	18.66	18.87			
5	64QAM	1	0	18.57	18.41	18.71			
5	64QAM	1	12	18.48	18.80	18.57	20	0	
5	64QAM	1	24	18.40	18.69	18.66			
5	64QAM	12	0	18.52	18.67	18.49			
5	64QAM	12	7	18.73	18.85	18.74	20	0	
5	64QAM	12	13	18.60	18.52	18.83			
5	64QAM	25	0	18.79	18.83	18.89			

Band 12_Ant 41													
BW [MHz]	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	23.40	23.51	23.33							
10	QPSK	1	25	23.50	23.54	23.48	23.5	1					
10	QPSK	1	49	23.47	23.50	23.47							
10	QPSK	25	0	22.43	22.40	22.29							
10	QPSK	25	12	22.45	22.48	22.31	23.5	1					
10	QPSK	25	25	22.44	22.41	22.27							
10	QPSK	50	0	22.46	22.48	22.33							
10	16QAM	1	0	22.80	22.75	22.84	23.5	1					
10	16QAM	1	25	22.82	22.85	22.84							
10	16QAM	1	49	22.86	22.84	22.85							
10	16QAM	25	0	21.40	21.32	21.31	22.5	2					
10	16QAM	25	12	21.35	21.37	21.48							
10	16QAM	25	25	21.42	21.50	21.36							
10	16QAM	50	0	21.49	21.45	21.27	22.5	2					
10	64QAM	1	0	21.59	21.40	21.61							
10	64QAM	1	25	21.62	21.57	21.65							
10	64QAM	1	49	21.73	21.47	21.60	21.5	3					
10	64QAM	25	0	20.57	20.52	20.48							
10	64QAM	25	12	20.57	20.61	20.57							
10	64QAM	25	25	20.62	20.67	20.41	21.5	3					
10	64QAM	50	0	20.55	20.57	20.38							
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	23.29	23.37	23.36							
5	QPSK	1	12	23.43	23.38	23.39							
5	QPSK	1	24	23.45	23.45	23.43	23.5	1					
5	QPSK	12	0	22.27	22.27	22.28							
5	QPSK	12	7	22.33	22.35	22.22							
5	QPSK	12	13	22.31	22.33	22.13	23.5	1					
5	QPSK	25	0	22.30	22.32	22.22							
5	16QAM	1	0	22.71	22.68	22.70							
5	16QAM	1	12	22.83	22.74	22.72	23.5	1					
5	16QAM	1	24	22.74	22.86	22.65							
5	16QAM	12	0	21.28	21.27	21.22							
5	16QAM	12	7	21.35	21.34	21.19	22.5	2					
5	16QAM	12	13	21.27	21.42	21.06							
5	16QAM	25	0	21.31	21.31	21.26							
5	64QAM	1	0	21.63	21.55	20.93	22.5	2					
5	64QAM	1	12	21.56	21.25	21.32							
5	64QAM	1	24	21.55	21.17	21.01							
5	64QAM	12	0	20.44	20.41	20.42	21.5	3					
5	64QAM	12	7	20.45	20.41	20.44							
5	64QAM	12	13	20.46	20.51	20.33							
5	64QAM	25	0	20.47	20.46	20.44	21.5	3					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				700.5	707.5	714.5	24.5	0					
3	QPSK	1	0	23.23	23.27	23.29							
3	QPSK	1	8	23.22	23.28	23.30							
3	QPSK	1	14	23.32	23.31	23.32	23.5	1					
3	QPSK	8	0	22.24	22.28	22.17							
3	QPSK	8	4	22.27	22.37	22.18							
3	QPSK	8	7	22.24	22.30	22.17	23.5	1					
3	QPSK	15	0	22.26	22.23	22.25							
3	16QAM	1	0	22.57	22.57	22.56							
3	16QAM	1	8	22.55	22.62	22.56	23.5	1					
3	16QAM	1	14	22.66	22.63	22.51							
3	16QAM	8	0	21.25	21.24	21.20							
3	16QAM	8	4	21.24	21.28	21.28	22.5	2					
3	16QAM	8	7	21.27	21.26	21.27							
3	16QAM	15	0	21.33	21.36	21.09							
3	64QAM	1	0	21.28	21.58	21.40	22.5	2					
3	64QAM	1	8	21.31	21.32	21.24							
3	64QAM	1	14	21.36	21.32	21.22							
3	64QAM	8	0	20.48	20.49	20.36	21.5	3					
3	64QAM	8	4	20.46	20.50	20.37							
3	64QAM	8	7	20.41	20.51	20.52							
3	64QAM	15	0	20.43	20.50	20.38	21.5	3					
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				699.7	707.5	715.3	24.5	0					
1.4	QPSK	1	0	23.22	23.27	23.02							
1.4	QPSK	1	3	23.22	23.25	23.07							
1.4	QPSK	1	5	23.25	23.17	23.05	23.5	1					
1.4	QPSK	3	0	23.31	23.29	23.15							
1.4	QPSK	3	1	23.30	23.35	23.24							
1.4	QPSK	3	3	23.29	23.31	23.15	23.5	1					
1.4	QPSK	6	0	22.30	22.27	22.25							
1.4	16QAM	1	0	22.41	22.22	22.03							
1.4	16QAM	1	3	22.42	22.27	22.02	23.5	1					
1.4	16QAM	1	5	22.42	22.23	22.05							
1.4	16QAM	3	0	22.42	22.33	22.27							
1.4	16QAM	3	1	22.37	22.35	22.35	22.5	2					
1.4	16QAM	3	3	22.31	22.32	22.23							
1.4	16QAM	6	0	21.27	21.21	21.22							
1.4	64QAM	1	0	21.56	21.67	21.45	22.5	2					
1.4	64QAM	1	3	21.50	21.64	21.48							
1.4	64QAM	1	5	21.53	21.55	21.20							
1.4	64QAM	3	0	21.49	21.50	21.22	21.5	3					
1.4	64QAM	3	1	21.48	21.52	21.23							
1.4	64QAM	3	3	21.46	21.54	21.27							
1.4	64QAM	6	0	20.48	20.45	20.31	21.5	3					

Band 17_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24.5	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.29	23.29	23.27				
10	QPSK	1	25	23.43	23.44	23.42	23.5	1		
10	QPSK	1	49	23.40	23.38	23.38				
10	QPSK	25	0	22.25	22.18	22.14				
10	QPSK	25	12	22.32	22.40	22.36	23.5	1		
10	QPSK	25	25	22.28	22.32	22.30				
10	QPSK	50	0	22.30	22.35	22.22				
10	16QAM	1	0	22.54	22.52	22.51	23.5	1		
10	16QAM	1	25	22.69	22.63	22.60				
10	16QAM	1	49	22.57	22.56	22.54				
10	16QAM	25	0	21.27	21.22	21.15	22.5	2		
10	16QAM	25	12	21.32	21.34	21.36				
10	16QAM	25	25	21.47	21.34	21.19				
10	16QAM	50	0	21.38	21.25	21.16	22.5	2		
10	64QAM	1	0	21.38	21.37	21.42				
10	64QAM	1	25	21.47	21.47	21.52				
10	64QAM	1	49	21.45	21.45	21.49	21.5	3		
10	64QAM	25	0	20.42	20.37	20.34				
10	64QAM	25	12	20.47	20.31	20.52				
10	64QAM	25	25	20.63	20.49	20.36	21.5	3		
10	64QAM	50	0	20.51	20.43	20.35				
Channel				23785	23790	23825				
Frequency (MHz)				705.5	710	713.5				
5	QPSK	1	0	23.39	23.39	23.34	24.5	0		
5	QPSK	1	12	23.39	23.39	23.39				
5	QPSK	1	24	23.42	23.31	23.21				
5	QPSK	12	0	22.39	22.28	22.32	23.5	1		
5	QPSK	12	7	22.35	22.23	22.31				
5	QPSK	12	13	22.38	22.38	22.11				
5	QPSK	25	0	22.35	22.39	22.28	23.5	1		
5	16QAM	1	0	22.57	22.67	22.59				
5	16QAM	1	12	22.62	22.62	22.68				
5	16QAM	1	24	22.64	22.65	22.68	22.5	2		
5	16QAM	12	0	21.39	21.23	21.25				
5	16QAM	12	7	21.35	21.22	21.26				
5	16QAM	12	13	21.41	21.34	21.06	22.5	2		
5	16QAM	25	0	21.36	21.33	21.19				
5	64QAM	1	0	21.31	21.34	21.50				
5	64QAM	1	12	21.44	21.40	21.59	22.5	2		
5	64QAM	1	24	21.41	21.39	21.57				
5	64QAM	12	0	20.60	20.44	20.48				
5	64QAM	12	7	20.49	20.46	20.39	21.5	3		
5	64QAM	12	13	20.53	20.49	20.29				
5	64QAM	25	0	20.49	20.50	20.34				

Band 38_Ant 13									
BW (MHz)	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	17.84	17.80	17.69	18.9	0	
20	QPSK	1	49	17.91	17.87	17.82			
20	QPSK	1	99	17.90	17.83	17.75			
20	QPSK	50	0	17.88	17.80	17.73	18.9	0	
20	QPSK	50	24	17.89	17.85	17.80			
20	QPSK	50	50	17.83	17.84	17.75			
20	QPSK	100	0	17.86	17.85	17.84	18.9	0	
20	16QAM	1	0	17.69	17.71	17.67			
20	16QAM	1	49	17.84	17.82	17.82			
20	16QAM	1	99	17.80	17.71	17.74	18.9	0	
20	16QAM	50	0	17.74	17.79	17.74			
20	16QAM	50	24	17.84	17.80	17.81			
20	16QAM	50	50	17.82	17.77	17.72	18.9	0	
20	16QAM	100	0	17.76	17.70	17.77			
20	64QAM	1	0	17.64	17.67	17.57			
20	64QAM	1	49	17.84	17.77	17.75	18.9	0	
20	64QAM	1	99	17.71	17.62	17.72			
20	64QAM	50	0	17.81	17.85	17.82			
20	64QAM	50	24	17.78	17.77	17.78	18.9	0	
20	64QAM	50	50	17.83	17.74	17.76			
20	64QAM	100	0	17.76	17.74	17.73			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.58	17.66	17.69	18.9	0	
15	QPSK	1	37	17.79	17.75	17.80			
15	QPSK	1	74	17.67	17.89	17.61			
15	QPSK	36	0	17.70	17.59	17.53	18.9	0	
15	QPSK	36	20	17.84	17.78	17.72			
15	QPSK	36	39	17.81	17.78	17.49			
15	QPSK	75	0	17.65	17.70	17.81	18.9	0	
15	16QAM	1	0	17.60	17.53	17.70			
15	16QAM	1	37	17.77	17.62	17.72			
15	16QAM	1	74	17.76	17.72	17.76	18.9	0	
15	16QAM	36	0	17.75	17.76	17.56			
15	16QAM	36	20	17.88	17.81	17.87			
15	16QAM	36	39	17.70	17.75	17.61	18.9	0	
15	16QAM	75	0	17.49	17.69	17.56			
15	64QAM	1	0	17.65	17.70	17.49			
15	64QAM	1	37	17.69	17.82	17.82	18.9	0	
15	64QAM	1	74	17.75	17.49	17.51			
15	64QAM	36	0	17.59	17.84	17.71			
15	64QAM	36	20	17.65	17.73	17.50	18.9	0	
15	64QAM	36	39	17.63	17.81	17.76			
15	64QAM	75	0	17.79	17.69	17.80			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.80	17.78	17.63	18.9	0	
10	QPSK	1	25	17.75	17.82	17.57			
10	QPSK	1	49	17.62	17.67	17.48			
10	QPSK	25	0	17.60	17.79	17.75	18.9	0	
10	QPSK	25	12	17.84	17.80	17.83			
10	QPSK	25	25	17.81	17.87	17.83			
10	QPSK	50	0	17.63	17.82	17.68	18.9	0	
10	16QAM	1	0	17.63	17.47	17.73			
10	16QAM	1	25	17.74	17.77	17.70			
10	16QAM	1	49	17.65	17.77	17.65	18.9	0	
10	16QAM	25	0	17.52	17.80	17.62			
10	16QAM	25	12	17.78	17.75	17.58			
10	16QAM	25	25	17.79	17.52	17.46	18.9	0	
10	16QAM	50	0	17.59	17.72	17.52			
10	64QAM	1	0	17.72	17.60	17.59			
10	64QAM	1	25	17.88	17.75	17.63	18.9	0	
10	64QAM	1	49	17.59	17.45	17.79			
10	64QAM	25	0	17.69	17.77	17.69			
10	64QAM	25	12	17.52	17.83	17.65	18.9	0	
10	64QAM	25	25	17.81	17.77	17.48			
10	64QAM	50	0	17.73	17.55	17.71			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.64	17.84	17.57	18.9	0	
5	QPSK	1	12	17.87	17.82	17.76			
5	QPSK	1	24	17.88	17.67	17.80			
5	QPSK	12	0	17.64	17.74	17.58	18.9	0	
5	QPSK	12	7	17.87	17.57	17.62			
5	QPSK	12	13	17.74	17.78	17.82			
5	QPSK	25	0	17.68	17.81	17.78	18.9	0	
5	16QAM	1	0	17.41	17.63	17.55			
5	16QAM	1	12	17.83	17.89	17.55			
5	16QAM	1	24	17.55	17.52	17.62	18.9	0	
5	16QAM	12	0	17.72	17.82	17.48			
5	16QAM	12	7	17.71	17.77	17.71			
5	16QAM	12	13	17.67	17.79	17.74	18.9	0	
5	16QAM	25	0	17.57	17.53	17.54			
5	64QAM	1	0	17.43	17.41	17.47			
5	64QAM	1	12	17.75	17.66	17.65	18.9	0	
5	64QAM	1	24	17.74	17.62	17.56			
5	64QAM	12	0	17.74	17.61	17.80			
5	64QAM	12	7	17.64	17.62	17.56	18.9	0	
5	64QAM	12	13	17.55	17.72	17.52			
5	64QAM	25	0	17.80	17.71	17.72			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.15	21.15	21.09	22.3	0	
20	QPSK	1	49	21.35	21.25	21.24			
20	QPSK	1	99	21.25	21.22	21.22			
20	QPSK	50	0	21.24	21.20	21.22	22.3	0	
20	QPSK	50	24	21.32	21.25	21.27			
20	QPSK	50	50	21.30	21.15	21.23			
20	QPSK	100	0	21.29	21.24	21.21	22.3	0	
20	16QAM	1	0	21.22	21.29	21.17			
20	16QAM	1	49	21.21	21.28	21.28			
20	16QAM	1	99	21.29	21.28	21.25	21.8	0.5	
20	16QAM	50	0	20.85	20.83	20.82			
20	16QAM	50	24	20.92	20.88	20.90			
20	16QAM	50	50	20.95	20.84	20.91	21.8	0.5	
20	16QAM	100	0	20.84	20.84	20.84			
20	64QAM	1	0	20.68	20.80	20.68			
20	64QAM	1	49	20.91	20.87	20.83	21.8	0.5	
20	64QAM	1	99	20.86	20.78	20.79			
20	64QAM	50	0	19.80	19.80	19.78			
20	64QAM	50	24	19.86	19.84	19.86	20.8	1.5	
20	64QAM	50	50	19.88	19.83	19.82			
20	64QAM	100	0	19.82	19.82	19.80			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.20	21.02	20.89	22.3	0	
15	QPSK	1	37	21.09	21.06	21.20			
15	QPSK	1	74	21.22	21.08	21.09			
15	QPSK	36	0	21.27	21.28	21.00	22.3	0	
15	QPSK	36	20	21.23	21.20	21.16			
15	QPSK	36	39	21.06	21.14	21.12			
15	QPSK	75	0	21.16	21.14	21.21	22.3	0	
15	16QAM	1	0	20.96	21.24	21.13			
15	16QAM	1	37	21.28	21.21	21.23			
15	16QAM	1	74	21.22	21.24	21.23	21.8	0.5	
15	16QAM	36	0	20.76	20.58	20.67			
15	16QAM	36	20	20.64	20.65	20.90			
15	16QAM	36	39	20.72	20.79	20.72	21.8	0.5	
15	16QAM	75	0	20.60	20.68	20.71			
15	64QAM	1	0	20.59	20.61	20.61			
15	64QAM	1	37	20.96	20.67	20.66	21.8	0.5	
15	64QAM	1	74	20.80	20.84	20.74			
15	64QAM	36	0	19.70	19.77	19.60			
15	64QAM	36	20	19.58	19.92	19.68	20.8	1.5	
15	64QAM	36	39	19.96	19.61	19.57			
15	64QAM	75	0	19.73	19.66	19.52			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2576	2595	2615			
10	QPSK	1	0	21.22	20.88	21.16	22.3	0	
10	QPSK	1	25	21.25	21.27	21.27			
10	QPSK	1	49	21.36	21.26	21.14			
10	QPSK	25	0	21.05	21.26	20.99	22.3	0	
10	QPSK	25	12	21.21	21.25	21.09			
10	QPSK	25	25	21.16	21.06	21.23			
10	QPSK	50	0	21.21	21.24	21.00	22.3	0	
10	16QAM	1	0	21.01	21.26	21.08			
10	16QAM	1	25	21.27	21.23	21.22			
10	16QAM	1	49	21.22	21.24	21.00	21.8	0.5	
10	16QAM	25	0	20.74	20.79	20.68			
10	16QAM	25	12	20.87	20.63	20.81			
10	16QAM	25	25	20.94	20.89	20.74	21.8	0.5	
10	16QAM	50	0	20.58	20.81	20.87			
10	64QAM	1	0	20.60	20.63	20.59			
10	64QAM	1	25	20.63	20.70	20.59	21.8	0.5	
10	64QAM	1	49	20.82	20.66	20.64			
10	64QAM	25	0	19.52	19.72	19.69			
10	64QAM	25	12	19.90	19.63	19.72	20.8	1.5	
10	64QAM	25	25	19.69	19.61	19.81			
10	64QAM	50	0	19.75	19.80	19.54			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.02	21.20	20.85	22.3	0	
5	QPSK	1	12	21.08	21.20	21.21			
5	QPSK	1	24	21.24	21.02	21.08			
5	QPSK	12	0	21.13	21.12	21.07	22.3	0	
5	QPSK	12	7	21.28	21.19	21.06			
5	QPSK	12	13	21.12	21.02	21.08			
5	QPSK	25	0	21.03	21.14	21.11	22.3	0	
5	16QAM	1	0	21.22	21.16	21.15			
5	16QAM	1	12	21.28	21.16	21.20			
5	16QAM	1	24	21.18	21.19	21.27	21.8	0.5	
5	16QAM	12	0	20.86	20.57	20.80			
5	16QAM	12	7	20.78	20.89	20.97			
5	16QAM	12	13	21.03	20.65	20.81	21.8	0.5	
5	16QAM	25	0	20.80	20.89	20.59			
5	64QAM	1	0	20.59	20.76	20.47			
5	64QAM	1	12	20.66	20.77	20.74	21.8	0.5	
5	64QAM	1	24	20.78	20.20	20.73			
5	64QAM	12	0	19.85	19.75	19.65			
5	64QAM	12	7	19.58	19.59	19.90	20.8	1.5	
5	64QAM	12	13	19.84	19.64	19.81			
5	64QAM	25	0	19.80	19.77	19.74			

Band 41_Ant 13											
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	17.74	17.69	17.74	17.71	17.62	18.9	0	
20	QPSK	1	49	17.90	17.84	17.95	17.81	17.83			
20	QPSK	1	99	17.74	17.77	17.80	17.78	17.73			
20	QPSK	50	0	17.83	17.78	17.83	17.72	17.74	18.9	0	
20	QPSK	50	24	17.88	17.82	17.90	17.79	17.80			
20	QPSK	50	50	17.85	17.80	17.87	17.78	17.78			
20	QPSK	100	0	17.84	17.84	17.88	17.85	17.77	18.9	0	
20	16QAM	1	0	17.90	17.88	17.88	17.84	17.77			
20	16QAM	1	49	17.93	17.89	17.92	17.89	17.92			
20	16QAM	1	99	17.88	17.90	17.91	17.90	17.80	18.9	0	
20	16QAM	50	0	17.81	17.85	17.85	17.84	17.77			
20	16QAM	50	24	17.87	17.86	17.93	17.92	17.81			
20	16QAM	50	50	17.86	17.85	17.92	17.89	17.80	18.9	0	
20	16QAM	100	0	17.83	17.84	17.87	17.89	17.78			
20	64QAM	1	0	17.64	17.68	17.72	17.64	17.62			
20	64QAM	1	49	17.83	17.88	17.88	17.81	17.79	18.9	0	
20	64QAM	1	99	17.70	17.71	17.79	17.77	17.64			
20	64QAM	50	0	17.79	17.78	17.82	17.79	17.75			
20	64QAM	50	24	17.82	17.84	17.88	17.89	17.79	18.9	0	
20	64QAM	50	50	17.84	17.82	17.90	17.89	17.82			
20	64QAM	100	0	17.81	17.81	17.89	17.86	17.75			
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	17.61	17.66	17.54	17.61	17.58	18.9	0	
15	QPSK	1	37	17.68	17.78	17.67	17.87	17.60			
15	QPSK	1	74	17.62	17.82	17.86	17.67	17.69			
15	QPSK	36	0	17.62	17.71	17.83	17.58	17.48	18.9	0	
15	QPSK	36	20	17.60	17.79	17.62	17.57	17.52			
15	QPSK	36	39	17.77	17.86	17.76	17.75	17.67			
15	QPSK	75	0	17.58	17.67	17.91	17.64	17.56	18.9	0	
15	16QAM	1	0	17.82	17.73	17.63	17.79	17.60			
15	16QAM	1	37	17.79	17.92	17.91	17.78	17.81			
15	16QAM	1	74	17.62	17.75	17.90	17.92	17.56	18.9	0	
15	16QAM	36	0	17.68	17.59	17.90	17.60	17.82			
15	16QAM	36	20	17.67	17.91	17.82	17.91	17.81			
15	16QAM	36	39	17.87	17.57	17.82	17.70	17.64	18.9	0	
15	16QAM	75	0	17.82	17.58	17.80	17.85	17.84			
15	64QAM	1	0	17.63	17.65	17.50	17.46	17.48			
15	64QAM	1	37	17.81	17.65	17.72	17.66	17.83	18.9	0	
15	64QAM	1	74	17.45	17.37	17.53	17.69	17.64			
15	64QAM	36	0	17.78	17.86	17.89	17.63	17.67			
15	64QAM	36	20	17.69	17.78	17.77	17.69	17.57	18.9	0	
15	64QAM	36	39	17.68	17.80	17.67	17.75	17.60			
15	64QAM	75	0	17.66	17.79	17.71	17.75	17.59			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	17.59	17.41	17.51	17.77	17.46	18.9	0	
10	QPSK	1	25	17.70	17.67	17.83	17.86	17.58			
10	QPSK	1	49	17.79	17.76	17.74	17.75	17.77			
10	QPSK	25	0	17.78	17.85	17.61	17.71	17.57	18.9	0	
10	QPSK	25	12	17.66	17.86	17.75	17.82	17.79			
10	QPSK	25	25	17.88	17.66	17.81	17.86	17.80			
10	QPSK	50	0	17.72	17.59	17.72	17.84	17.50	18.9	0	
10	16QAM	1	0	17.89	17.86	17.90	17.60	17.72			
10	16QAM	1	25	17.68	17.69	17.84	17.83	17.72			
10	16QAM	1	49	17.93	17.70	17.86	17.90	17.73	18.9	0	
10	16QAM	25	0	17.61	17.72	17.77	17.68	17.78			
10	16QAM	25	12	17.77	17.87	17.82	17.69	17.89			
10	16QAM	25	25	17.83	17.85	17.83	17.66	17.81	18.9	0	
10	16QAM	50	0	17.67	17.62	17.67	17.65	17.73			
10	64QAM	1	0	17.46	17.59	17.71	17.49	17.44			
10	64QAM	1	25	17.72	17.62	17.79	17.58	17.53	18.9	0	
10	64QAM	1	49	17.70	17.75	17.85	17.60	17.44			
10	64QAM	25	0	17.83	17.52	17.86	17.87	17.51			
10	64QAM	25	12	17.54	17.81	17.83	17.80	17.77	18.9	0	
10	64QAM	25	25	17.59	17.56	17.92	17.86	17.85			
10	64QAM	50	0	17.72	17.86	17.77	17.86	17.68			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.81	17.69	17.61	17.67	17.47	18.9	0	
5	QPSK	1	12	17.89	17.82	17.90	17.89	17.90			
5	QPSK	1	24	17.67	17.67	17.79	17.58	17.56			
5	QPSK	12	0	17.59	17.62	17.66	17.66	17.64	18.9	0	
5	QPSK	12	7	17.73	17.74	17.73	17.72	17.67			
5	QPSK	12	13	17.77	17.79	17.81	17.68	17.60			
5	QPSK	25	0	17.56	17.91	17.75	17.64	17.75	18.9	0	
5	16QAM	1	0	17.88	17.81	17.83	17.67	17.80			
5	16QAM	1	12	17.81	17.78	17.79	17.71	17.71			
5	16QAM	1	24	17.64	17.95	17.93	17.76	17.59	18.9	0	
5	16QAM	12	0	17.66	17.93	17.61	17.69	17.61			
5	16QAM	12	7	17.78	17.85	17.68	17.84	17.84			
5	16QAM	12	13	17.76	17.60	17.83	17.61	17.58	18.9	0	
5	16QAM	25	0	17.77	17.61	17.61	17.91	17.70			
5	64QAM	1	0	17.55	17.41	17.61	17.57	17.68			
5	64QAM	1	12	17.57	17.80	17.86	17.74	17.84	18.9	0	
5	64QAM	1	24	17.52	17.73	17.78	17.58	17.67			
5	64QAM	12	0	17.82	17.83	17.76	17.72	17.52			
5	64QAM	12	7	17.66	17.72	17.92	17.68	17.84	18.9	0	
5	64QAM	12	13	17.81	17.67	17.82	17.68	17.54			
5	64QAM	25	0	17.87	17.67	17.84	17.83	17.70			

Band 41_Ant 31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.14	21.13	21.26	21.21	21.18	22.3	0	
20	QPSK	1	49	21.31	21.26	21.42	21.36	21.37			
20	QPSK	1	99	21.21	21.19	21.30	21.34	21.27			
20	QPSK	50	0	21.23	21.22	21.30	21.33	21.30	22.3	0	
20	QPSK	50	24	21.29	21.24	21.40	21.34	21.35			
20	QPSK	50	50	21.27	21.23	21.34	21.30	21.33			
20	QPSK	100	0	21.27	21.26	21.38	21.30	21.32	22.3	0	
20	16QAM	1	0	21.35	21.35	21.35	21.39	21.33			
20	16QAM	1	49	21.30	21.28	21.37	21.35	21.30			
20	16QAM	1	99	21.29	21.24	21.32	21.34	21.27	21.8	0.5	
20	16QAM	50	0	20.83	20.83	20.93	20.98	20.93			
20	16QAM	50	24	20.89	20.86	20.99	21.03	20.96			
20	16QAM	50	50	20.88	20.86	20.97	21.03	20.97	20.8	1.5	
20	16QAM	100	0	20.85	20.83	20.95	20.99	20.93			
20	84QAM	1	0	20.77	20.73	20.82	20.81	20.75			
20	84QAM	1	49	20.86	20.90	21.00	20.98	20.90	21.8	0.5	
20	84QAM	1	99	20.79	20.74	20.85	20.85	20.79			
20	84QAM	50	0	19.78	19.80	19.87	19.92	19.84			
20	84QAM	50	24	19.84	19.83	19.94	19.98	19.91	20.8	1.5	
20	84QAM	50	50	19.84	19.82	19.92	19.91	19.95			
20	84QAM	100	0	19.82	19.80	19.92	19.90	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.87	21.08	21.25	20.99	20.96	22.3	0	
15	QPSK	1	37	21.11	21.13	21.15	21.08	21.14			
15	QPSK	1	74	21.02	20.93	21.32	21.25	21.23			
15	QPSK	36	0	21.02	21.01	21.34	21.38	21.20	22.3	0	
15	QPSK	36	20	21.02	21.02	21.31	21.23	21.23			
15	QPSK	36	39	21.08	21.27	21.20	21.27	21.15			
15	QPSK	75	0	21.23	21.19	21.30	21.37	21.05	22.3	0	
15	16QAM	1	0	21.09	21.24	21.11	21.12	21.18			
15	16QAM	1	37	21.26	21.29	21.31	21.28	21.04			
15	16QAM	1	74	21.24	21.22	21.23	21.26	21.11	21.8	0.5	
15	16QAM	36	0	20.78	20.79	20.82	21.00	20.82			
15	16QAM	36	20	20.90	20.94	20.73	21.07	20.78			
15	16QAM	36	39	20.94	20.75	20.92	20.75	20.84	21.8	0.5	
15	16QAM	75	0	20.91	20.89	20.82	20.74	20.85			
15	84QAM	1	0	20.71	20.85	20.56	20.89	20.78			
15	84QAM	1	37	20.60	20.85	21.01	20.71	20.94	20.8	1.5	
15	84QAM	1	74	20.71	20.51	20.93	20.73	20.67			
15	84QAM	36	0	19.57	19.79	19.94	19.80	19.88			
15	84QAM	36	20	19.78	19.78	19.83	20.06	19.94	20.8	1.5	
15	84QAM	36	39	19.89	19.67	19.81	19.93	19.69			
15	84QAM	75	0	19.86	19.72	19.94	19.81	19.68			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.16	21.21	21.07	21.25	20.98	22.3	0	
10	QPSK	1	25	21.03	21.24	21.35	21.32	21.27			
10	QPSK	1	49	21.25	20.95	21.16	21.10	21.26			
10	QPSK	25	0	20.96	21.11	21.30	21.36	21.27	22.3	0	
10	QPSK	25	12	21.37	21.14	21.39	21.14	21.33			
10	QPSK	25	25	21.18	21.00	21.30	21.16	21.06			
10	QPSK	50	0	21.34	20.98	21.32	21.38	21.17	22.3	0	
10	16QAM	1	0	21.39	21.31	21.14	21.33	21.27			
10	16QAM	1	25	21.26	21.30	21.35	21.30	21.13			
10	16QAM	1	49	21.32	21.08	21.39	21.35	21.15	21.8	0.5	
10	16QAM	25	0	20.79	21.03	20.82	20.82	20.85			
10	16QAM	25	12	20.75	20.59	21.02	20.90	20.80			
10	16QAM	25	25	20.93	20.61	20.82	21.01	21.04	20.8	1.5	
10	16QAM	50	0	20.80	20.65	21.01	21.01	20.73			
10	84QAM	1	0	20.49	20.75	20.89	20.59	20.65			
10	84QAM	1	25	20.72	20.92	20.93	21.00	20.93	21.8	0.5	
10	84QAM	1	49	20.84	20.71	20.79	20.90	20.83			
10	84QAM	25	0	19.69	19.62	19.62	19.99	19.88			
10	84QAM	25	12	19.78	19.79	19.83	19.97	19.99	20.8	1.5	
10	84QAM	25	25	19.86	19.54	19.80	19.82	19.80			
10	84QAM	50	0	19.81	19.68	19.85	19.71	19.84			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.99	21.12	21.30	20.97	21.10	22.3	0	
5	QPSK	1	12	21.19	21.03	21.21	21.39	21.34			
5	QPSK	1	24	21.08	21.23	21.17	21.39	21.20			
5	QPSK	12	0	21.27	21.07	21.16	21.19	21.04	22.3	0	
5	QPSK	12	7	21.29	21.14	21.38	21.21	21.14			
5	QPSK	12	13	21.34	21.16	21.31	21.07	21.28			
5	QPSK	25	0	21.32	21.02	21.30	21.23	21.17	21.8	0.5	
5	16QAM	1	0	21.32	21.26	21.28	21.29	21.32			
5	16QAM	1	24	21.36	21.00	21.29	21.07	21.27			
5	16QAM	1	12	21.22	21.19	21.17	21.08	21.26	21.8	0.5	
5	16QAM	12	0	20.77	20.86	20.88	21.02	20.86			
5	16QAM	12	7	20.93	20.71	20.86	21.03	21.01			
5	16QAM	12	13	20.64	20.85	20.83	20.88	20.70	20.8	1.5	
5	16QAM	25	0	20.86	20.80	20.74	20.95	20.82			
5	84QAM	1	0	20.78	20.72	20.88	20.65	20.83			
5	84QAM	1	12	20.62	20.65	20.81	21.03	20.88	20.8	1.5	
5	84QAM	1	24	20.80	20.60	20.69	20.81	20.60			
5	84QAM	12	0	19.62	19.65	19.74	19.97	19.61			
5	84QAM	12	7	19.67	19.63	19.81	19.84	19.95	20.8	1.5	
5	84QAM	12	13	19.68	19.75	19.70	19.71	19.70			
5	84QAM	25	0	19.84	19.87	19.69	19.96	19.74			

Band 2_Ant 31																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	22.99	22.94	22.88	24	0										
20	QPSK	1	49	22.60	22.53	22.51												
20	QPSK	1	99	22.76	22.74	22.83												
20	QPSK	50	0	21.91	21.99	21.92												
20	QPSK	50	24	21.99	22.02	21.93	23	1										
20	QPSK	50	50	21.90	21.85	21.86												
20	QPSK	100	0	21.89	21.96	21.89												
20	16QAM	1	0	22.05	21.98	22.25												
20	16QAM	1	49	22.08	22.09	22.32	23	1										
20	16QAM	1	99	21.82	21.84	22.10												
20	16QAM	50	0	20.80	20.91	20.88												
20	16QAM	50	24	20.94	20.91	20.86												
20	16QAM	50	50	20.82	20.80	20.80	22	2										
20	16QAM	100	0	20.86	20.82	20.86												
20	16QAM	1	0	20.93	21.11	21.06												
20	64QAM	1	49	20.96	21.19	21.15												
20	64QAM	1	99	20.79	20.92	21.02	22	2										
20	64QAM	50	0	19.92	19.92	19.88												
20	64QAM	50	24	19.99	19.91	19.87												
20	64QAM	50	50	19.88	19.84	19.80												
20	64QAM	100	0	19.87	19.79	19.79	21	3										
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	22.73	22.67	22.80	24	0										
15	QPSK	1	37	22.75	22.73	22.63												
15	QPSK	1	74	22.64	22.60	22.67												
15	QPSK	36	0	21.69	21.68	21.64												
15	QPSK	36	20	21.69	21.70	21.68	23	1										
15	QPSK	36	39	21.64	21.60	21.69												
15	QPSK	75	0	21.66	21.66	21.69												
15	16QAM	1	0	21.91	21.89	21.83												
15	16QAM	1	37	21.95	21.96	21.92	23	1										
15	16QAM	1	74	21.88	21.78	21.81												
15	16QAM	36	0	20.64	20.70	20.66												
15	16QAM	36	20	20.69	20.68	20.70												
15	16QAM	36	39	20.57	20.58	20.68	22	2										
15	16QAM	75	0	20.65	20.60	20.66												
15	64QAM	1	0	20.82	20.80	20.74												
15	64QAM	1	37	20.86	20.84	20.87												
15	64QAM	1	74	20.76	20.69	20.74	22	2										
15	64QAM	36	0	19.68	19.70	19.64												
15	64QAM	36	20	19.68	19.68	19.68												
15	64QAM	36	39	19.63	19.59	19.68												
15	64QAM	75	0	19.65	19.63	19.65	21	3										
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	22.75	22.71	22.70	24	0										
10	QPSK	1	25	22.76	22.75	22.77												
10	QPSK	1	49	22.65	22.63	22.72												
10	QPSK	25	0	21.67	21.67	21.74												
10	QPSK	25	12	21.69	21.65	21.71	23	1										
10	QPSK	25	25	21.66	21.64	21.69												
10	QPSK	50	0	21.69	21.69	21.73												
10	16QAM	1	0	21.93	21.92	21.90												
10	16QAM	1	25	21.94	21.96	21.96	23	1										
10	16QAM	1	49	21.86	21.83	21.88												
10	16QAM	25	0	20.70	20.69	20.69												
10	16QAM	25	12	20.68	20.67	20.71												
10	16QAM	25	25	20.63	20.64	20.74	22	2										
10	16QAM	50	0	20.64	20.67	20.70												
10	64QAM	1	0	20.81	20.84	20.76												
10	64QAM	1	25	20.79	20.78	20.82												
10	64QAM	1	49	20.73	20.76	20.76	22	2										
10	64QAM	25	0	19.65	19.67	19.70												
10	64QAM	25	12	19.68	19.64	19.69												
10	64QAM	25	25	19.61	19.60	19.68												
10	64QAM	50	0	19.64	19.65	19.67	21	3										
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.78	22.73	22.74	24	0										
5	QPSK	1	12	22.76	22.74	22.78												
5	QPSK	1	24	22.68	22.69	22.79												
5	QPSK	12	0	21.70	21.68	21.74												
5	QPSK	12	7	21.69	21.68	21.75	23	1										
5	QPSK	12	13	21.63	21.66	21.70												
5	QPSK	25	0	21.70	21.69	21.74												
5	16QAM	1	0	21.95	21.94	21.91												
5	16QAM	1	12	21.93	21.96	21.95	23	1										
5	16QAM	1	24	21.86	21.89	21.90												
5	16QAM	12	0	20.67	20.67	20.70												
5	16QAM	12	7	20.67	20.63	20.71												
5	16QAM	12	13	20.65	20.64	20.66	22	2										
5	16QAM	25	0	20.68	20.66	20.71												
5	64QAM	1	0	20.85	20.84	20.83												
5	64QAM	1	12	20.84	20.84	20.86												
5	64QAM	1	24	20.77	20.80	20.82	22	2										
5	64QAM	12	0	19.66	19.67	19.69												
5	64QAM	12	7	19.69	19.63	19.73												
5	64QAM	12	13	19.62	19.64	19.68												
5	64QAM	25	0	19.67	19.64	19.67	21	3										
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.74	22.67	22.72	24	0										
1.4	QPSK	1	3	22.77	22.69	22.75												
1.4	QPSK	1	5	22.75	22.67	22.72												
1.4	QPSK	3	0	22.77	22.70	22.76												
1.4	QPSK	3	1	22.77	22.72	22.76	23	1										
1.4	QPSK	3	3	22.76	22.69	22.77												
1.4	QPSK	6	0	21.71	21.69	21.74												
1.4	16QAM	1	0	21.94	21.90	21.89												
1.4	16QAM	1	3	21.95	21.89	21.91	23	1										
1.4	16QAM	1	5	21.94	21.89	21.88												
1.4	16QAM	3	0	21.78	21.71	21.76												
1.4	16QAM	3	1	21.79	21.72	21.78												
1.4	16QAM	3	3	21.71	21.81	21.77	22	2										
1.4	64QAM	1	0	20.84	20.79	20.87												
1.4	64QAM	1	3	20.83	20.79	20.87												
1.4	64QAM	1	5	20.86	20.79	20.86												
1.4	64QAM	3	0	20.82	20.78	20.81	22	2										
1.4	64QAM	3	1	20.84	20.79	20.82												
1.4	64QAM	3	3	20.83	20.75	20.81												
1.4	64QAM	6	0	19.68	19.63	19.65												

Band 2_Ant 31														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.99	22.94	22.88	24	0						
20	QPSK	1	49	22.60	22.53	22.51								
20	QPSK	1	99	22.76	22.74	22.83								
20	QPSK	50	0	21.91	21.99	21.92	23	1						
20	QPSK	50	24	21.99	22.02	21.93								
20	QPSK	50	50	21.90	21.85	21.86								
20	QPSK	100	0	21.89	21.96	21.89	23	1						
20	16QAM	1	0	22.05	21.98	22.25								
20	16QAM	1	49	22.08	22.09	22.32								
20	16QAM	1	99	21.82	21.84	22.10	22	2						
20	16QAM	50	0	20.90	20.91	20.88								
20	16QAM	50	24	20.94	20.91	20.86								
20	16QAM	50	50	20.82	20.80	20.80	22	2						
20	16QAM	100	0	20.86	20.82	20.86								
20	16QAM	1	0	20.93	21.11	21.06								
20	64QAM	1	49	20.96	21.19	21.15	22	2						
20	64QAM	1	99	20.79	20.92	21.02								
20	64QAM	50	0	19.92	19.92	19.88								
20	64QAM	50	24	19.99	19.91	19.87	21	3						
20	64QAM	50	50	19.88	19.84	19.80								
20	64QAM	100	0	19.83	19.79	19.79								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.73	22.67	22.60	24	0						
15	QPSK	1	37	22.75	22.73	22.83								
15	QPSK	1	74	22.64	22.60	22.67								
15	QPSK	36	0	21.69	21.68	21.64	23	1						
15	QPSK	36	20	21.69	21.70	21.68								
15	QPSK	36	39	21.64	21.80	21.69								
15	QPSK	75	0	21.66	21.66	21.69	23	1						
15	16QAM	1	0	21.91	21.89	21.83								
15	16QAM	1	37	21.95	21.96	21.92								
15	16QAM	1	74	21.88	21.78	21.81	22	2						
15	16QAM	36	0	20.64	20.70	20.66								
15	16QAM	36	20	20.69	20.68	20.70								
15	16QAM	36	39	20.57	20.58	20.68	22	2						
15	16QAM	75	0	20.65	20.60	20.66								
15	64QAM	1	0	20.82	20.80	20.74								
15	64QAM	1	37	20.86	20.84	20.87	22	2						
15	64QAM	1	74	20.78	20.69	20.74								
15	64QAM	36	0	19.68	19.70	19.64								
15	64QAM	36	20	19.66	19.68	19.68	21	3						
15	64QAM	36	39	19.63	19.59	19.68								
15	64QAM	75	0	19.65	19.63	19.65								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.75	22.71	22.70	24	0						
10	QPSK	1	25	22.76	22.75	22.77								
10	QPSK	1	49	22.65	22.63	22.72								
10	QPSK	25	0	21.67	21.67	21.74	23	1						
10	QPSK	25	12	21.69	21.65	21.71								
10	QPSK	25	25	21.66	21.64	21.69								
10	QPSK	50	0	21.69	21.69	21.73	23	1						
10	16QAM	1	0	21.93	21.92	21.90								
10	16QAM	1	25	21.94	21.96	21.96								
10	16QAM	1	49	21.86	21.83	21.88	22	2						
10	16QAM	25	0	20.70	20.69	20.69								
10	16QAM	25	12	20.68	20.67	20.71								
10	16QAM	25	25	20.63	20.64	20.74	22	2						
10	16QAM	50	0	20.64	20.67	20.70								
10	64QAM	1	0	20.81	20.84	20.76								
10	64QAM	1	25	20.79	20.78	20.82	22	2						
10	64QAM	1	49	20.73	20.76	20.76								
10	64QAM	25	0	19.65	19.67	19.70								
10	64QAM	25	12	19.68	19.64	19.69	21	3						
10	64QAM	25	25	19.61	19.60	19.68								
10	64QAM	50	0	19.64	19.65	19.67								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.78	22.73	22.74	24	0						
5	QPSK	1	12	22.76	22.74	22.78								
5	QPSK	1	24	22.68	22.69	22.79								
5	QPSK	12	0	21.70	21.68	21.74	23	1						
5	QPSK	12	7	21.69	21.68	21.75								
5	QPSK	12	13	21.63	21.66	21.70								
5	QPSK	25	0	21.70	21.70	21.74	23	1						
5	16QAM	1	0	21.95	21.94	21.91								
5	16QAM	1	12	21.93	21.96	21.95								
5	16QAM	1	24	21.86	21.89	21.90	22	2						
5	16QAM	12	0	20.67	20.67	20.70								
5	16QAM	12	7	20.67	20.63	20.71								
5	16QAM	12	13	20.65	20.64	20.66	22	2						
5	16QAM	25	0	20.68	20.66	20.71								
5	64QAM	1	0	20.85	20.84	20.83								
5	64QAM	1	12	20.84	20.84	20.86	22	2						
5	64QAM	1	24	20.77	20.80	20.82								
5	64QAM	12	0	19.66	19.67	19.69								
5	64QAM	12	7	19.69	19.63	19.73	21	3						
5	64QAM	12	13	19.62	19.64	19.68								
5	64QAM	25	0	19.67	19.64	19.67								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.74	22.67	22.72	24	0						
1.4	QPSK	1	3	22.77	22.69	22.75								
1.4	QPSK	1	5	22.75	22.67	22.72								
1.4	QPSK	3	0	22.77	22.70	22.76	23	1						
1.4	QPSK	3	1	22.77	22.72	22.76								
1.4	QPSK	3	1	22.76	22.69	22.77	23	1						
1.4	QPSK	6	0	21.71	21.71	21.74								
1.4	16QAM	1	0	21.94	21.90	21.89								
1.4	16QAM	1	3	21.95	21.89	21.91	23	1						
1.4	16QAM	1	5	21.94	21.89	21.88								
1.4	16QAM	3	0	21.78	21.71	21.76								
1.4	16QAM	3	1	21.79	21.72	21.78	22	2						
1.4	16QAM	3	3	21.71	21.81	21.77								
1.4	64QAM	1	0	20.84	20.79	20.87								
1.4	64QAM	1	3	20.83	20.79	20.87								
1.4	64QAM	1	5	20.86	20.79	20.86								
1.4	64QAM	3	0	20.82	20.78	20.81	22	2						
1.4	64QAM	3	1	20.84	20.79	20.82								
1.4	64QAM	3	3	20.83	20.75	20.81								
1.4	64QAM	6	0	19.68	19.63	19.65	21	3						



Band 2_Ant 31													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.99	22.94	22.88	24	0					
20	QPSK	1	49	23.00	23.03	22.91							
20	QPSK	1	99	22.76	22.76	22.83							
20	QPSK	50	0	21.91	21.99	21.92	23	1					
20	QPSK	50	24	21.99	22.02	21.93							
20	QPSK	50	50	21.90	21.85	21.86							
20	QPSK	100	0	21.89	21.96	21.89	23	1					
20	16QAM	1	0	22.05	21.98	22.25							
20	16QAM	1	49	22.08	22.09	22.32							
20	16QAM	1	99	21.82	21.84	22.10	22	2					
20	16QAM	50	0	20.80	20.91	20.88							
20	16QAM	50	24	20.94	20.91	20.86							
20	16QAM	50	50	20.82	20.80	20.80	22	2					
20	16QAM	100	0	20.86	20.82	20.86							
20	16QAM	1	0	20.93	21.11	21.06							
20	64QAM	1	49	20.96	21.19	21.15	22	2					
20	64QAM	1	99	20.79	20.92	21.02							
20	64QAM	50	0	19.92	19.92	19.88							
20	64QAM	50	24	19.99	19.91	19.87	21	3					
20	64QAM	50	50	19.88	19.84	19.80							
20	64QAM	100	0	19.83	19.79	19.79							
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.75	18.80	19.05	Tune-up limit (dBm)	MPR (dB)					
15	QPSK	1	0	22.73	22.67	22.80	24	0					
15	QPSK	1	37	22.75	22.73	22.73							
15	QPSK	1	74	22.64	22.60	22.67							
15	QPSK	36	0	21.69	21.68	21.64	23	1					
15	QPSK	36	20	21.69	21.70	21.68							
15	QPSK	36	39	21.64	21.60	21.69							
15	QPSK	75	0	21.66	21.66	21.69	23	1					
15	16QAM	1	0	21.91	21.89	21.83							
15	16QAM	1	37	21.95	21.96	21.92							
15	16QAM	1	74	21.88	21.78	21.81	22	2					
15	16QAM	36	0	20.64	20.70	20.66							
15	16QAM	36	20	20.69	20.68	20.70							
15	16QAM	36	39	20.67	20.58	20.68	22	2					
15	16QAM	75	0	20.65	20.60	20.66							
15	64QAM	1	0	20.82	20.80	20.74							
15	64QAM	1	37	20.86	20.84	20.87	22	2					
15	64QAM	1	74	20.76	20.69	20.74							
15	64QAM	36	0	19.68	19.70	19.64							
15	64QAM	36	20	19.68	19.68	19.68	21	3					
15	64QAM	36	39	19.63	19.59	19.68							
15	64QAM	75	0	19.65	19.63	19.65							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.75	22.71	22.70	24	0					
10	QPSK	1	25	22.75	22.75	22.77							
10	QPSK	1	49	22.65	22.63	22.72							
10	QPSK	25	0	21.67	21.67	21.74	23	1					
10	QPSK	25	12	21.69	21.65	21.71							
10	QPSK	25	25	21.66	21.64	21.69							
10	QPSK	50	0	21.69	21.69	21.73	23	1					
10	16QAM	1	0	21.93	21.92	21.90							
10	16QAM	1	25	21.94	21.96	21.96							
10	16QAM	1	49	21.86	21.83	21.74	22	2					
10	16QAM	25	0	20.70	20.69	20.69							
10	16QAM	25	12	20.68	20.67	20.71							
10	16QAM	25	25	20.63	20.64	20.74	22	2					
10	16QAM	50	0	20.64	20.67	20.70							
10	64QAM	1	0	20.81	20.84	20.76							
10	64QAM	1	25	20.79	20.78	20.82	22	2					
10	64QAM	1	49	20.73	20.76	20.76							
10	64QAM	25	0	19.65	19.67	19.70							
10	64QAM	25	12	19.68	19.64	19.69	21	3					
10	64QAM	25	25	19.61	19.60	19.68							
10	64QAM	50	0	19.64	19.65	19.67							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.78	22.73	22.74	24	0					
5	QPSK	1	12	22.76	22.74	22.78							
5	QPSK	1	24	22.68	22.69	22.79							
5	QPSK	12	0	21.70	21.68	21.74	23	1					
5	QPSK	12	7	21.69	21.68	21.75							
5	QPSK	12	13	21.63	21.66	21.70							
5	QPSK	25	0	21.70	21.69	21.74	23	1					
5	16QAM	1	0	21.95	21.94	21.91							
5	16QAM	1	12	21.93	21.96	21.95							
5	16QAM	1	24	21.86	21.89	21.90	22	2					
5	16QAM	12	0	20.67	20.67	20.70							
5	16QAM	12	7	20.67	20.63	20.71							
5	16QAM	12	13	20.65	20.64	20.66	22	2					
5	16QAM	25	0	20.68	20.66	20.71							
5	64QAM	1	0	20.85	20.84	20.83							
5	64QAM	1	12	20.84	20.84	20.86	22	2					
5	64QAM	1	24	20.77	20.80	20.82							
5	64QAM	12	0	19.66	19.67	19.69							
5	64QAM	12	7	19.69	19.63	19.73	21	3					
5	64QAM	12	13	19.62	19.64	19.68							
5	64QAM	25	0	19.67	19.64	19.67							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.75	22.68	22.72	24	0					
3	QPSK	1	8	22.71	22.69	22.75							
3	QPSK	1	14	22.67	22.69	22.74							
3	QPSK	8	0	21.70	21.66	21.74	23	1					
3	QPSK	8	4	21.68	21.65	21.72							
3	QPSK	8	7	21.67	21.62	21.70							
3	QPSK	15	0	21.68	21.63	21.72	23	1					
3	16QAM	1	0	21.95	21.90	21.91							
3	16QAM	1	8	21.90	21.91	21.92							
3	16QAM	1	14	21.85	21.90	21.89	22	2					
3	16QAM	8	0	20.76	20.72	20.79							
3	16QAM	8	4	20.73	20.69	20.77							
3	16QAM	8	7	20.71	20.67	20.75	22	2					
3	16QAM	15	0	20.70	20.65	20.74							
3	64QAM	1	0	20.83	20.79	20.79							
3	64QAM	1	8	20.82	20.79	20.81	22	2					
3	64QAM	1	14	20.75	20.78	20.82							
3	64QAM	8	0	19.72	19.65	19.74							
3	64QAM	8	4	19.68	19.63	19.73	21	3					
3	64QAM	8	7	19.68	19.63	19.71							
3	64QAM	15	0	19.65	19.60	19.66							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.77	22.67	22.72	24	0					
1.4	QPSK	1	3	22.77	22.69	22.75							
1.4	QPSK	1	5	22.75	22.67	22.72							
1.4	QPSK	3	0	22.77	22.70	22.76	23	1					
1.4	QPSK	3	1	22.76	22.69	22.77							
1.4	QPSK	3	2	22.71	21.65	21.77							
1.4	16QAM	1	0	21.94	21.90	21.89	23	1					
1.4	16QAM	1	3	21.95	21.89	21.91							
1.4	16QAM	1	5	21.94	21.89	21.88							
1.4	16QAM	3	0	21.78	21.71	21.76	22	2					
1.4	16QAM	3	1	21.79	21.72	21.78							
1.4	16QAM	3	2	21.71	21.65	21.77							
1.4	16QAM	6	0	20.79	20.74	20.79	22	2					
1.4	64QAM	1	0	20.84	20.79	20.87							
1.4	64QAM	1	3	20.83	20.79	20.87							
1.4	64QAM	1	5	20.86	20.79	20.86	22	2					
1.4	64QAM	3	0	20.82	20.78	20.81							
1.4	64QAM	3	1	20.84	20.78	20.82							
1.4	64QAM	3	3	20.83	20.75	20.81	21	3					
1.4	64QAM	6	0	19.68	19.63	19.65							

Reduced Power Mode for DS14--ENDC

Band 7_Ant 13

Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
20	Channel				20850	21100	21350	21	0
	Frequency (MHz)				2510	2535	2560		
	QPSK	1	0		19.73	19.81	19.81		
	QPSK	1	49		19.86	19.93	19.95		
	QPSK	1	99		19.71	19.83	19.83	21	0
	QPSK	50	0		19.71	19.85	19.90		
	QPSK	50	24		19.84	19.97	19.93		
	QPSK	50	50		19.72	19.92	19.91		
	QPSK	100	0		19.80	19.95	19.89	21	0
	16QAM	1	0		19.58	19.94	19.70		
	16QAM	1	49		19.82	19.90	19.84		
	16QAM	1	99		19.58	19.92	19.90		
	16QAM	50	0		19.46	19.83	19.85	21	0
	16QAM	50	24		19.58	19.88	19.90		
	16QAM	50	50		19.62	19.84	19.68		
	16QAM	100	0		19.70	19.85	19.70		
	64QAM	1	0		19.51	19.87	19.81	21	0
	64QAM	1	49		19.80	19.96	19.98		
	64QAM	1	99		19.70	19.82	19.87		
	64QAM	50	0		18.77	18.82	18.76		
	64QAM	50	24		18.72	18.89	18.62	20	1
	64QAM	50	50		18.80	18.88	18.83		
	64QAM	100	0		18.48	18.82	18.63		
15	Channel				20925	21100	21375	21	0
	Frequency (MHz)				2507.5	2535	2562.5		
	QPSK	1	0		19.58	19.74	19.57		
	QPSK	1	37		19.91	19.91	19.75		
	QPSK	1	74		19.46	19.55	19.55	21	0
	QPSK	36	0		19.72	19.74	19.55		
	QPSK	36	20		19.66	19.80	19.77		
	QPSK	36	39		19.78	19.97	19.87		
	QPSK	75	0		19.76	19.78	19.63	21	0
	16QAM	1	0		19.66	19.99	19.68		
	16QAM	1	37		19.90	19.90	19.60		
	16QAM	1	74		19.54	19.79	19.56		
	16QAM	36	0		19.69	19.70	19.53	21	0
	16QAM	36	20		19.56	19.67	19.75		
	16QAM	36	39		19.80	19.85	19.60		
	16QAM	75	0		19.77	19.82	19.50		
	64QAM	1	0		19.47	19.83	19.55	21	0
	64QAM	1	37		19.53	19.93	19.55		
	64QAM	1	74		19.49	19.86	19.78		
	64QAM	36	0		18.53	18.89	18.48	20	1
	64QAM	36	20		18.48	18.75	18.49		
	64QAM	36	39		18.43	18.68	18.79		
	64QAM	75	0		18.51	18.83	18.71		
10	Channel				20800	21100	21400	21	0
	Frequency (MHz)				2505	2535	2565		
	QPSK	1	0		19.49	19.59	19.85		
	QPSK	1	25		19.92	19.94	19.85		
	QPSK	1	49		19.57	19.88	19.74	21	0
	QPSK	25	0		19.50	19.73	19.62		
	QPSK	25	12		19.85	19.89	19.85		
	QPSK	25	25		19.62	19.68	19.77		
	QPSK	50	0		19.66	19.67	19.92	21	0
	16QAM	1	0		19.40	19.84	19.58		
	16QAM	1	25		19.61	19.73	19.52		
	16QAM	1	49		19.64	19.81	19.64		
	16QAM	25	0		19.40	19.89	19.58	21	0
	16QAM	25	12		19.44	19.62	19.72		
	16QAM	25	25		19.63	19.56	19.58		
	16QAM	50	0		19.73	19.60	19.78		
	64QAM	1	0		19.38	19.59	19.70	21	0
	64QAM	1	25		19.77	19.70	19.88		
	64QAM	1	49		19.73	19.55	19.59		
	64QAM	25	0		18.67	18.67	18.51		
	64QAM	25	12		18.64	18.70	18.54	20	1
	64QAM	25	25		18.53	18.64	18.74		
	64QAM	50	0		18.25	18.68	18.69		
5	Channel				20775	21100	21425	21	0
	Frequency (MHz)				2502.5	2535	2567.5		
	QPSK	1	0		19.51	19.56	19.56		
	QPSK	1	12		19.84	19.91	19.92		
	QPSK	1	24		19.71	19.73	19.57	21	0
	QPSK	12	0		19.45	19.90	19.80		
	QPSK	12	7		19.61	19.85	19.90		
	QPSK	12	13		19.47	19.90	19.73		
	QPSK	25	0		19.86	19.88	19.68	21	0
	16QAM	1	0		19.61	19.98	19.62		
	16QAM	1	12		19.59	19.87	19.65		
	16QAM	1	24		19.60	19.81	19.64		
	16QAM	12	0		19.49	19.75	19.87	21	0
	16QAM	12	7		19.56	19.71	19.93		
	16QAM	12	13		19.54	19.68	19.58		
	16QAM	25	0		19.58	19.82	19.61		
	64QAM	1	0		19.54	19.67	19.56	21	0
	64QAM	1	12		19.87	19.79	19.97		
	64QAM	1	24		19.67	19.61	19.86		
	64QAM	12	0		18.72	18.64	18.70		
	64QAM	12	7		18.70	18.92	18.66	20	1
	64QAM	12	13		18.54	18.64	18.62		
	64QAM	25	0		18.47	18.75	18.52		

Band 2_Ant 31														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18700	18800	19100	21	0						
20	QPSK	1	49	20.07	20.04	19.94								
20	QPSK	1	99	19.95	20.13	20.06								
20	QPSK	50	0	20.05	20.09	20.03								
20	QPSK	50	24	20.08	20.11	20.05	21	0						
20	QPSK	50	50	20.04	20.05	19.98								
20	QPSK	100	0	20.07	20.08	20.01								
20	16QAM	1	0	19.95	20.02	19.85								
20	16QAM	1	49	19.92	20.09	20.00	21	0						
20	16QAM	1	99	20.10	20.04	20.02								
20	16QAM	50	0	19.86	20.09	19.84								
20	16QAM	50	24	20.07	20.10	20.10								
20	16QAM	50	50	20.10	20.05	19.86	21	0						
20	16QAM	100	0	19.92	20.04	20.06								
20	64QAM	36	0	20.00	20.06	20.08								
20	64QAM	1	49	19.89	19.98	19.97								
20	64QAM	1	99	19.90	19.94	20.01	21	0						
20	64QAM	50	0	20.10	20.09	20.02								
20	64QAM	50	24	20.07	20.08	19.98								
20	64QAM	50	50	20.05	19.97	19.97								
20	64QAM	100	0	19.79	20.03	19.85	21	0						
Channel														
Frequency (MHz)														
15	QPSK	1	0	18675	18800	19025	21	0						
15	QPSK	1	0	20.07	19.95	19.90								
15	QPSK	1	37	19.87	20.04	19.79								
15	QPSK	1	74	19.70	20.01	20.03								
15	QPSK	36	0	19.87	19.84	20.01	21	0						
15	QPSK	36	20	20.01	20.02	19.85								
15	QPSK	36	39	20.03	19.90	19.74								
15	QPSK	75	0	20.03	19.86	19.88								
15	16QAM	1	0	19.76	20.03	19.80	21	0						
15	16QAM	1	37	19.91	20.04	20.04								
15	16QAM	1	74	19.83	20.04	20.03								
15	16QAM	36	0	19.74	20.05	19.77								
15	16QAM	36	20	20.08	20.03	20.07	21	0						
15	16QAM	36	39	19.90	20.03	19.85								
15	16QAM	75	0	19.68	20.00	20.03								
15	64QAM	1	0	19.88	19.95	19.69								
15	64QAM	1	37	19.68	19.94	20.01	21	0						
15	64QAM	1	74	19.71	19.84	20.00								
15	64QAM	36	0	19.86	19.83	20.05								
15	64QAM	36	20	20.09	19.89	19.92								
15	64QAM	36	39	19.91	19.74	19.84	21	0						
15	64QAM	75	0	19.61	19.93	19.86								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18650	18900	19150	21	0						
10	QPSK	1	25	20.01	20.10	19.99								
10	QPSK	1	49	20.01	19.97	20.03								
10	QPSK	25	0	20.07	19.96	19.85								
10	QPSK	25	12	20.07	20.05	19.85	21	0						
10	QPSK	25	25	20.07	19.88	19.96								
10	QPSK	50	0	19.86	20.06	19.85								
10	16QAM	1	0	19.91	20.05	19.93								
10	16QAM	1	25	19.85	20.01	19.87	21	0						
10	16QAM	1	49	20.00	19.77	19.87								
10	16QAM	25	0	19.90	20.05	19.89								
10	16QAM	25	12	19.95	19.86	20.00								
10	16QAM	25	25	20.06	20.07	19.89	21	0						
10	16QAM	50	0	19.74	19.80	19.81								
10	64QAM	1	0	19.86	19.97	19.88								
10	64QAM	1	25	19.71	20.01	19.77								
10	64QAM	1	49	19.98	19.86	20.02	21	0						
10	64QAM	25	0	19.97	20.01	19.96								
10	64QAM	25	12	20.01	19.84	19.70								
10	64QAM	25	25	19.78	19.82	19.75								
10	64QAM	50	0	19.70	19.92	19.88	21	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	18625	18900	19175	21	0						
5	QPSK	1	0	19.93	19.85	19.91								
5	QPSK	1	12	20.00	20.04	20.03								
5	QPSK	1	24	19.95	19.80	19.82								
5	QPSK	12	0	20.03	20.00	19.81	21	0						
5	QPSK	12	7	19.95	19.99	20.02								
5	QPSK	12	13	19.80	19.88	19.99								
5	QPSK	25	0	20.00	20.00	20.00								
5	16QAM	1	0	19.80	20.09	19.91	21	0						
5	16QAM	1	12	19.99	19.81	19.86								
5	16QAM	1	24	20.06	19.78	19.80								
5	16QAM	12	0	19.83	19.89	19.83								
5	16QAM	12	7	19.81	19.83	19.89	21	0						
5	16QAM	12	13	19.87	20.01	19.87								
5	16QAM	25	0	19.94	20.04	20.01								
5	64QAM	1	0	19.92	19.88	19.92								
5	64QAM	1	12	19.68	20.04	19.81	21	0						
5	64QAM	1	24	19.88	19.84	20.05								
5	64QAM	12	0	20.04	19.84	19.90								
5	64QAM	12	7	20.05	20.02	20.01								
5	64QAM	12	13	20.02	19.87	19.83	21	0						
5	64QAM	25	0	19.85	19.90	19.69								
Channel														
Frequency (MHz)														
3	QPSK	1	0	18615	18900	19185	21	0						
3	QPSK	1	0	19.80	19.98	19.76								
3	QPSK	1	8	19.99	19.94	19.86								
3	QPSK	1	14	19.74	19.72	20.04								
3	QPSK	8	0	20.01	20.09	19.95	21	0						
3	QPSK	8	0	19.99	19.88	20.01								
3	QPSK	8	7	19.80	19.79	19.70								
3	QPSK	15	0	19.97	20.01	19.82								
3	16QAM	1	0	20.03	20.02	19.93	21	0						
3	16QAM	1	8	19.96	19.89	19.77								
3	16QAM	1	14	20.07	19.78	20.06								
3	16QAM	8	0	19.67	20.02	19.70								
3	16QAM	8	4	20.00	20.09	19.96	21	0						
3	16QAM	8	7	19.82	20.03	19.77								
3	16QAM	15	0	19.82	20.02	19.91								
3	64QAM	1	0	19.86	20.01	19.95								
3	64QAM	1	8	19.84	19.85	19.74	21	0						
3	64QAM	1	14	19.83	19.68	19.76								
3	64QAM	8	0	19.85	19.87	20.06								
3	64QAM	8	4	20.01	20.07	20.04								
3	64QAM	8	7	19.99	19.96	19.74	21	0						
3	64QAM	15	0	19.68	19.97	19.71								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18570	18900	19303	21	0						
1.4	QPSK	1	0	19.92	20.09	19.77								
1.4	QPSK	1	3	19.86	20.00	19.94								
1.4	QPSK	1	5	20.04	19.88	19.81								
1.4	QPSK	3	0	19.82	20.02	20.04	21	0						
1.4	QPSK	3	1	19.95	19.83	20.04								
1.4	QPSK	3	3	19.77	20.05	19.70								
1.4	QPSK	6	0	20.05	19.96	19.73								
1.4	16QAM	1	0	19.92	19.82	19.65	21	0						
1.4	16QAM	1	3	19.81	20.00	19.87								
1.4	16QAM	1	5	19.86	20.02	19.89								
1.4	16QAM	3	0	19.90	20.02	19.87								
1.4	16QAM	3	1	19.93	19.83	19.92	21	0						
1.4	16QAM	3	3	20.02	19.83	19.72								
1.4	16QAM	6	0	19.69	19.95	20.06								
1.4	64QAM	1	0	19.77	20.01	19.84								
1.4	64QAM	1	3	19.65	20.06	19.72	21	0						
1.4	64QAM	1	5	19.80	19.75	20.04								
1.4	64QAM	3	0	20.07	20.04	20.09								
1.4	64QAM	3	1	19.95	19.93	19.99								
1.4	64QAM	3	3	20.05	19.88	19.86	21	0						
1.4	64QAM	6	0	19.61	20.03	19.71								

Band 2_Ant 31														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.67	16.68	16.56	17.5	0						
20	QPSK	1	49	16.76	16.81	16.68								
20	QPSK	1	99	16.68	16.72	16.58								
20	QPSK	50	0	16.65	16.71	16.62								
20	QPSK	50	24	16.74	16.78	16.67	17.5	0						
20	QPSK	50	50	16.67	16.62	16.56								
20	QPSK	100	0	16.69	16.76	16.64								
20	16QAM	1	0	16.47	16.71	16.79								
20	16QAM	1	49	16.62	16.66	16.59	17.5	0						
20	16QAM	1	99	16.56	16.65	16.54								
20	16QAM	50	0	16.59	16.64	16.60								
20	16QAM	50	24	16.78	16.70	16.62								
20	16QAM	50	50	16.65	16.58	16.40	17.5	0						
20	16QAM	100	0	16.74	16.67	16.44								
20	64QAM	1	0	16.41	16.66	16.50								
20	64QAM	1	99	16.49	16.53	16.43								
20	64QAM	50	0	16.40	16.68	16.54	17.5	0						
20	64QAM	50	24	16.69	16.72	16.80								
20	64QAM	50	50	16.62	16.65	16.55								
20	64QAM	100	0	16.38	16.62	16.59								
Channel														
Frequency (MHz)														
15	QPSK	1	0	16.62	16.43	16.62	17.5	0						
15	QPSK	1	37	16.57	16.68	16.73								
15	QPSK	1	74	16.51	16.49	16.54								
15	QPSK	36	0	16.58	16.54	16.53								
15	QPSK	36	39	16.71	16.63	16.38	17.5	0						
15	QPSK	75	0	16.41	16.62	16.61								
15	16QAM	1	0	16.24	16.67	16.79								
15	16QAM	1	37	16.59	16.46	16.43								
15	16QAM	1	74	16.63	16.61	16.53	17.5	0						
15	16QAM	36	0	16.66	16.42	16.45								
15	16QAM	36	20	16.51	16.73	16.66								
15	16QAM	36	39	16.73	16.52	16.24								
15	16QAM	75	0	16.72	16.58	16.39	17.5	0						
15	64QAM	1	0	16.36	16.64	16.43								
15	64QAM	1	37	16.60	16.64	16.66								
15	64QAM	1	74	16.22	16.29	16.28								
15	64QAM	36	0	16.31	16.66	16.62	17.5	0						
15	64QAM	36	20	16.58	16.60	16.70								
15	64QAM	36	39	16.37	16.72	16.69								
15	64QAM	75	0	16.44	16.36	16.37								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.44	16.40	16.28	17.5	0						
10	QPSK	1	25	16.57	16.53	16.63								
10	QPSK	1	49	16.52	16.70	16.38								
10	QPSK	25	0	16.73	16.63	16.45								
10	QPSK	25	12	16.62	16.64	16.75	17.5	0						
10	QPSK	25	25	16.58	16.50	16.36								
10	QPSK	50	0	16.65	16.67	16.37								
10	16QAM	1	0	16.21	16.63	16.53								
10	16QAM	1	25	16.65	16.46	16.34	17.5	0						
10	16QAM	1	49	16.38	16.67	16.39								
10	16QAM	25	0	16.46	16.70	16.54								
10	16QAM	25	12	16.75	16.60	16.46								
10	16QAM	25	25	16.55	16.65	16.36	17.5	0						
10	16QAM	50	0	16.70	16.51	16.44								
10	64QAM	1	0	16.39	16.44	16.41								
10	64QAM	1	25	16.78	16.71	16.73								
10	64QAM	1	49	16.26	16.55	16.31	17.5	0						
10	64QAM	25	0	16.36	16.71	16.41								
10	64QAM	25	12	16.74	16.56	16.55								
10	64QAM	25	25	16.59	16.62	16.53								
10	64QAM	50	0	16.39	16.64	16.56	17.5	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.60	16.59	16.35	17.5	0						
5	QPSK	1	12	16.56	16.65	16.55								
5	QPSK	1	24	16.41	16.76	16.56								
5	QPSK	12	0	16.45	16.68	16.54								
5	QPSK	12	7	16.68	16.50	16.58	17.5	0						
5	QPSK	12	13	16.39	16.37	16.49								
5	QPSK	25	0	16.42	16.56	16.40								
5	16QAM	1	0	16.38	16.52	16.69								
5	16QAM	1	12	16.46	16.68	16.56	17.5	0						
5	16QAM	1	24	16.55	16.45	16.45								
5	16QAM	12	0	16.43	16.47	16.56								
5	16QAM	12	7	16.57	16.67	16.43								
5	16QAM	12	13	16.53	16.47	16.39	17.5	0						
5	16QAM	25	0	16.70	16.48	16.31								
5	64QAM	1	0	16.20	16.58	16.37								
5	64QAM	1	12	16.60	16.58	16.55								
5	64QAM	1	24	16.23	16.48	16.20	17.5	0						
5	64QAM	12	0	16.34	16.63	16.49								
5	64QAM	12	7	16.42	16.75	16.68								
5	64QAM	12	13	16.56	16.47	16.49								
5	64QAM	25	0	16.33	16.68	16.31	17.5	0						
Channel														
Frequency (MHz)														
3	QPSK	1	0	16.66	16.41	16.52	17.5	0						
3	QPSK	1	8	16.73	16.75	16.66								
3	QPSK	1	14	16.69	16.79	16.36								
3	QPSK	8	0	16.63	16.62	16.58								
3	QPSK	8	4	16.55	16.72	16.73	17.5	0						
3	QPSK	8	7	16.73	16.66	16.59								
3	QPSK	15	0	16.76	16.57	16.51								
3	16QAM	1	0	16.26	16.72	16.62								
3	16QAM	1	8	16.70	16.39	16.59	17.5	0						
3	16QAM	1	14	16.35	16.50	16.24								
3	16QAM	8	0	16.59	16.70	16.59								
3	16QAM	8	4	16.71	16.47	16.59								
3	16QAM	8	7	16.56	16.40	16.39	17.5	0						
3	16QAM	15	0	16.46	16.42	16.47								
3	64QAM	1	0	16.45	16.71	16.48								
3	64QAM	1	8	16.53	16.71	16.73								
3	64QAM	1	14	16.25	16.37	16.35	17.5	0						
3	64QAM	8	0	16.46	16.71	16.42								
3	64QAM	8	4	16.61	16.70	16.53								
3	64QAM	8	7	16.62	16.58	16.53								
3	64QAM	15	0	16.26	16.65	16.56	17.5							
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	16.70	16.80	16.93	17.5	0						
1.4	QPSK	1	0	16.74	16.80	16.86								
1.4	QPSK	1	5	16.56	16.56	16.39								
1.4	QPSK	3	0	16.49	16.60	16.50								
1.4	QPSK	3	1	16.51	16.70	16.63	17.5	0						
1.4	QPSK	3	3	16.49	16.45	16.60								
1.4	QPSK	6	0	16.60	16.51	16.59								
1.4	16QAM	1	0	16.35	16.56	16.54								
1.4	16QAM	1	3	16.49	16.74	16.43	17.5	0						
1.4	16QAM	1	5	16.49	16.66	16.53								
1.4	16QAM	3	0	16.61	16.56	16.67								
1.4	16QAM	3	1	16.76	16.72	16.51								
1.4	16QAM	3	3	16.52	16.40	16.34	17.5	0						
1.4	16QAM	6	0	16.78	16.45	16.50								
1.4	64QAM	1	0	16.28	16.48	16.56								
1.4	64QAM	1	3	16.59	16.64	16.62								
1.4	64QAM	1	5	16.28	16.36	16.39	17.5	0						
1.4	64QAM	3	0	16.42	16.58	16.56								
1.4	64QAM	3	1	16.64	16.53	16.52								
1.4	64QAM	3	1	16.54	16.73	16.49								
1.4	64QAM	6	0	16.33	16.67	16.42	17.5							

UL CA Power

CA_7C_Ant 13											
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	49	0	0	1	0	Default	21.86	23.00
21100	21298	QPSK	1	49	0	0	1	0	Default	21.95	23.00
21350	21152	QPSK	1	49	0	0	1	0	Default	21.92	23.00
20850	21048	QPSK	50	24	0	0	1	0	DSI 2	12.79	14.00
21100	21298	QPSK	50	24	0	0	1	0	DSI 2	12.83	14.00
21350	21152	QPSK	50	24	0	0	1	0	DSI 2	12.81	14.00
20850	21048	QPSK	50	24	0	0	1	0	DSI 3	10.80	12.00
21100	21298	QPSK	50	24	0	0	1	0	DSI 3	10.82	12.00
21350	21152	QPSK	50	24	0	0	1	0	DSI 3	10.73	12.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 4	21.76	23.00
21100	21298	QPSK	1	49	0	0	1	0	DSI 4	21.91	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 4	21.72	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 5	17.39	18.50
21100	21298	QPSK	1	49	0	0	1	0	DSI 5	17.42	18.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 5	17.34	18.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 8&10	14.99	16.00
21100	21298	QPSK	1	49	0	0	1	0	DSI 8&10	15.01	16.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 8&10	14.91	16.00

CA_7C_Ant 31											
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	49	0	0	1	0	Default	22.20	23.50
21100	21298	QPSK	1	49	0	0	1	0	Default	22.23	23.50
21350	21152	QPSK	1	49	0	0	1	0	Default	22.19	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 2	22.17	23.50
21100	21298	QPSK	1	49	0	0	1	0	DSI 2	22.23	23.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 2	22.16	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	22.17	23.50
21100	21298	QPSK	1	49	0	0	1	0	DSI 3	22.23	23.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	22.16	23.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 5	20.23	21.50
21100	21298	QPSK	1	49	0	0	1	0	DSI 5	20.28	21.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 5	20.27	21.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 8&10	18.81	20.00
21100	21298	QPSK	1	49	0	0	1	0	DSI 8&10	18.85	20.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 8&10	18.79	20.00

CA_38C_Ant 13											
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	49	0	0	1	0	Default	22.40	23.40
37901	38099	QPSK	1	49	0	0	1	0	Default	22.42	23.40
38150	37952	QPSK	1	49	0	0	1	0	Default	22.37	23.40
37850	38048	QPSK	50	24	0	0	1	0	DSI 2	15.66	16.40
37901	38099	QPSK	50	24	0	0	1	0	DSI 2	15.71	16.40
38150	37952	QPSK	50	24	0	0	1	0	DSI 2	15.69	16.40
37850	38048	QPSK	50	24	0	0	1	0	DSI 3	13.45	14.40
37901	38099	QPSK	50	24	0	0	1	0	DSI 3	13.47	14.40
38150	37952	QPSK	50	24	0	0	1	0	DSI 3	13.40	14.40
37850	38048	QPSK	1	49	0	0	1	0	DSI 4	22.40	23.40
37901	38099	QPSK	1	49	0	0	1	0	DSI 4	22.42	23.40
38150	37952	QPSK	1	49	0	0	1	0	DSI 4	22.37	23.40
37850	38048	QPSK	1	49	0	0	1	0	DSI 5	19.89	20.90
37901	38099	QPSK	1	49	0	0	1	0	DSI 5	19.92	20.90
38150	37952	QPSK	1	49	0	0	1	0	DSI 5	19.83	20.90
37850	38048	QPSK	1	49	0	0	1	0	DSI 8&10	17.85	18.90
37901	38099	QPSK	1	49	0	0	1	0	DSI 8&10	17.88	18.90
38150	37952	QPSK	1	49	0	0	1	0	DSI 8&10	17.46	18.90

CA_38C_Ant 31											
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	49	0	0	1	0	Default	22.73	23.80
37901	38099	QPSK	1	49	0	0	1	0	Default	22.77	23.80
38150	37952	QPSK	1	49	0	0	1	0	Default	22.64	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI 2	22.73	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI 2	22.77	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI 2	22.64	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI 3	22.73	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI 3	22.77	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI 3	22.64	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI 5	22.73	23.80
37901	38099	QPSK	1	49	0	0	1	0	DSI 5	22.77	23.80
38150	37952	QPSK	1	49	0	0	1	0	DSI 5	22.64	23.80
37850	38048	QPSK	1	49	0	0	1	0	DSI 8&10	21.31	22.30
37901	38099	QPSK	1	49	0	0	1	0	DSI 8&10	21.33	22.30
38150	37952	QPSK	1	49	0	0	1	0	DSI 8&10	21.29	22.30

CA_41C_Ant 13											
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	49	0	0	1	0	Default	22.24	23.40
40185	40383	QPSK	1	49	0	0	1	0	Default	22.14	23.40
40620	40818	QPSK	1	49	0	0	1	0	Default	22.43	23.40
41055	41253	QPSK	1	49	0	0	1	0	Default	22.38	23.40
41490	41292	QPSK	1	49	0	0	1	0	Default	22.41	23.40
39750	39948	QPSK	50	24	0	0	1	0	DSI 2	15.49	16.40
40185	40383	QPSK	50	24	0	0	1	0	DSI 2	15.37	16.40
40620	40818	QPSK	50	24	0	0	1	0	DSI 2	15.77	16.40
41055	41253	QPSK	50	24	0	0	1	0	DSI 2	15.60	16.40
41490	41292	QPSK	50	24	0	0	1	0	DSI 2	15.66	16.40
39750	39948	QPSK	50	24	0	0	1	0	DSI 3	13.31	14.40
40185	40383	QPSK	50	24	0	0	1	0	DSI 3	13.23	14.40
40620	40818	QPSK	50	24	0	0	1	0	DSI 3	13.52	14.40
41055	41253	QPSK	50	24	0	0	1	0	DSI 3	13.41	14.40
41490	41292	QPSK	50	24	0	0	1	0	DSI 3	13.44	14.40
39750	39948	QPSK	1	49	0	0	1	0	DSI 4	22.25	23.40
40185	40383	QPSK	1	49	0	0	1	0	DSI 4	22.15	23.40
40620	40818	QPSK	1	49	0	0	1	0	DSI 4	22.44	23.40
41055	41253	QPSK	1	49	0	0	1	0	DSI 4	22.39	23.40
41490	41292	QPSK	1	49	0	0	1	0	DSI 4	22.42	23.40
39750	39948	QPSK	1	49	0	0	1	0	DSI 5	19.78	20.90
40185	40383	QPSK	1	49	0	0	1	0	DSI 5	19.66	20.90
40620	40818	QPSK	1	49	0	0	1	0	DSI 5	19.95	20.90
41055	41253	QPSK	1	49	0	0	1	0	DSI 5	19.87	20.90
41490	41292	QPSK	1	49	0	0	1	0	DSI 5	19.90	20.90
39750	39948	QPSK	1	49	0	0	1	0	DSI 8&10	17.83	18.90
40185	40383	QPSK	1	49	0	0	1	0	DSI 8&10	17.79	18.90
40620	40818	QPSK	1	49	0	0	1	0	DSI 8&10	17.91	18.90
41055	41253	QPSK	1	49	0	0	1	0	DSI 8&10	17.82	18.90
41490	41292	QPSK	1	49	0	0	1	0	DSI 8&10	17.78	18.90

CA_41C_Ant 31											
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	49	0	0	1	0	Default	22.75	23.80
40185	40383	QPSK	1	49	0	0	1	0	Default	22.77	23.80
40620	40818	QPSK	1	49	0	0	1	0	Default	22.79	23.80
41055	41253	QPSK	1	49	0	0	1	0	Default	22.71	23.80
41490	41292	QPSK	1	49	0	0	1	0	Default	22.68	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI 2	22.75	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI 2	22.77	23.80
40620	40818	QPSK	1	49	0	0	1	0	DSI 2	22.79	23.80
41055	41253	QPSK	1	49	0	0	1	0	DSI 2	22.71	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI 2	22.68	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI 3	22.75	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI 3	22.77	23.80
40620	40818	QPSK	1	49	0	0	1	0	DSI 3	22.79	23.80
41055	41253	QPSK	1	49	0	0	1	0	DSI 3	22.71	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI 3	22.68	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI 5	22.75	23.80
40185	40383	QPSK	1	49	0	0	1	0	DSI 5	22.77	23.80
40620	40818	QPSK	1	49	0	0	1	0	DSI 5	22.79	23.80
41055	41253	QPSK	1	49	0	0	1	0	DSI 5	22.71	23.80
41490	41292	QPSK	1	49	0	0	1	0	DSI 5	22.68	23.80
39750	39948	QPSK	1	49	0	0	1	0	DSI 8&10	21.38	22.30
40185	40383	QPSK	1	49	0	0	1	0	DSI 8&10	21.28	22.30
40620	40818	QPSK	1	49	0	0	1	0	DSI 8&10	21.41	22.30
41055	41253	QPSK	1	49	0	0	1	0	DSI 8&10	21.31	22.30
41490	41292	QPSK	1	49	0	0	1	0	DSI 8&10	21.28	22.30

DL CA 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		CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 7	20M	2655	3100	22.55	22.59
		CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	49	Band 5	10M	881.5	2525	22.98	23.03
		CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 5	10M	881.5	2525	22.52	22.59
		CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	23.30	23.37
Intra-Band		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	20M	2145	2300	22.53	22.59
		CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2680	41490	22.58	22.82
		CA_38C	Band 38	20M	2580	37850	QPSK	1	49	Band 38	20M	2599.80	38048	22.69	22.78
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	22.67	22.82

3CC																			
Configure		CA Configuration (BCS)	PCC						SCC1				SCC2				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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.94	23.03
		CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.95	23.03
		CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	49	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.51	22.59
		CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	25	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.32	23.37
Intra-Band	Contiguous	CA_41D	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	22.65	22.82



Full/Default power for 5G NR SA

n7_Ant 11									
BW [MHz]	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	PI/2 BPSK	1	1	23.06	23.12	23.05	24.0	0.0	
20	PI/2 BPSK	1	53	22.94	23.10	22.92			
20	PI/2 BPSK	1	104	23.00	23.00	22.91			
20	PI/2 BPSK	50	0	22.48	22.57	22.49	23.5	0.5	
20	PI/2 BPSK	50	28	23.09	23.11	23.00	24.0	0.0	
20	PI/2 BPSK	50	56	22.45	22.56	22.47	23.5	0.5	
20	PI/2 BPSK	100	0	22.41	22.52	22.47	23.0	1.0	
20	QPSK	1	1	23.00	22.98	23.00			
20	QPSK	1	53	23.03	23.00	22.97			
20	QPSK	1	104	22.90	22.89	22.99	23.0	1.0	
20	QPSK	50	0	22.06	22.02	22.09			
20	QPSK	50	28	23.06	23.06	23.07			
20	QPSK	50	56	22.05	22.01	22.03	23.0	1.0	
20	QPSK	100	0	22.02	22.10	22.07			
20	16QAM	1	1	21.61	21.70	21.58	23.0	1.0	
20	64QAM	1	1	20.27	20.41	20.28	21.5	2.5	
20	256QAM	1	1	18.67	18.78	18.66	19.5	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	22.88	23.01	22.93	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	22.96	23.03	22.87	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	22.92	23.01	22.93	24.0	0.0	

n7_Ant 13									
BW [MHz]	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	PI/2 BPSK	1	1	22.21	22.23	22.08	23.8	0.0	
20	PI/2 BPSK	1	53	22.07	22.20	21.99			
20	PI/2 BPSK	1	104	22.06	22.13	22.00			
20	PI/2 BPSK	50	0	22.09	22.09	21.84	23.3	0.5	
20	PI/2 BPSK	50	28	22.10	22.15	22.04	23.8	0.0	
20	PI/2 BPSK	50	56	21.98	22.05	22.00	23.3	0.5	
20	PI/2 BPSK	100	0	22.02	22.10	21.97	23.8	0.0	
20	QPSK	1	1	22.13	22.16	22.10			
20	QPSK	1	53	22.07	22.14	22.15			
20	QPSK	1	104	21.98	22.08	22.08	22.8	1.0	
20	QPSK	50	0	21.58	21.59	21.55			
20	QPSK	50	28	22.02	22.03	22.13			
20	QPSK	50	56	21.51	21.61	21.52	22.8	1.0	
20	QPSK	100	0	21.58	21.69	21.67			
20	16QAM	1	1	21.15	21.16	21.13	22.8	1.0	
20	64QAM	1	1	19.54	19.56	19.48	21.3	2.5	
20	256QAM	1	1	18.08	18.15	18.04	19.3	4.5	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	22.20	22.08	22.04	23.8	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	PI/2 BPSK	1	1	22.11	22.14	22.04	23.8	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	22.15	22.11	21.97	23.8	0.0	



n41_Ant 11								
BW [MHz]	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	25.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.05	23.05	23.02		
100	PI/2 BPSK	1	137	23.73	23.84	23.74		
100	PI/2 BPSK	1	271	23.03	23.12	23.05	24.5	0.5
100	PI/2 BPSK	135	0	22.87	23.02	22.89		
100	PI/2 BPSK	135	69	23.75	23.83	23.72		
100	PI/2 BPSK	135	138	23.17	23.27	23.18		
100	PI/2 BPSK	270	0	23.07	23.12	23.01	24.5	0.5
100	QPSK	1	1	23.01	23.02	23.01		
100	QPSK	1	137	23.83	23.81	23.82		
100	QPSK	1	271	23.04	23.02	23.00		
100	QPSK	135	0	23.06	23.07	23.06	25.0	0.0
100	QPSK	135	69	23.81	23.78	23.82		
100	QPSK	135	138	23.05	23.03	23.02		
100	QPSK	270	0	23.22	23.24	23.22		
100	8QAM	1	137	23.03	23.04	23.01	24.0	1.0
100	8QAM	1	137	21.18	21.22	21.19	22.5	2.5
100	256QAM	1	137	19.68	19.71	19.69	20.5	4.5
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	120	23.62	23.80	23.64	25.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	109	23.60	23.76	23.63	25.0	0.0
Channel				508200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2528	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	81	23.64	23.79	23.68	25.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	67	23.59	23.69	23.68	25.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	53	23.67	23.72	23.59	25.0	0.0
Channel				502200	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	40	23.70	23.80	23.63	25.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2678.99	(dBm)	(dB)
20	PI/2 BPSK	1	26	23.58	23.78	23.65	25.0	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	PI/2 BPSK	1	19	23.61	23.79	23.63	25.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	PI/2 BPSK	1	12	23.65	23.83	23.71	25.0	0.0

n41_Ant 13								
BW [MHz]	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	24.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.14	23.21	23.18		
100	PI/2 BPSK	1	137	23.15	23.25	23.16		
100	PI/2 BPSK	1	271	22.21	22.24	22.19	24.3	0.5
100	PI/2 BPSK	135	0	22.34	22.36	22.35		
100	PI/2 BPSK	135	69	23.15	23.21	23.11		
100	PI/2 BPSK	135	138	22.80	22.86	22.84		
100	PI/2 BPSK	270	0	22.39	22.69	22.36	24.3	0.5
100	QPSK	1	1	22.06	22.12	22.07		
100	QPSK	1	137	23.08	23.18	23.16		
100	QPSK	1	271	23.16	23.21	23.12		
100	QPSK	135	0	22.21	22.27	22.22	24.8	0.0
100	QPSK	135	69	23.12	23.15	23.05		
100	QPSK	135	138	22.83	22.81	22.82		
100	QPSK	270	0	22.33	22.35	22.30		
100	8QAM	1	137	21.87	21.88	21.86	23.8	1.0
100	8QAM	1	137	20.31	20.38	20.35	22.3	2.5
100	256QAM	1	137	19.33	19.35	19.30	20.3	4.5
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	120	23.04	23.12	23.12	24.8	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	109	23.12	23.11	23.02	24.8	0.0
Channel				508200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2528	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	81	23.10	23.11	23.09	24.8	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	67	23.13	23.14	23.15	24.8	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	53	23.13	23.11	23.15	24.8	0.0
Channel				502200	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	40	23.12	23.22	23.05	24.8	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2678.99	(dBm)	(dB)
20	PI/2 BPSK	1	26	23.04	23.23	23.03	24.8	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	PI/2 BPSK	1	19	23.06	23.11	23.15	24.8	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	PI/2 BPSK	1	12	23.11	23.11	23.01	24.8	0.0



Reduced Power Mode for DS12-5GNR SA

n7_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.11	17.15	17.08	18.0	0.0
20	PI/2 BPSK	1	53	17.09	17.06	17.03		
20	PI/2 BPSK	1	104	17.07	17.06	16.97		
20	PI/2 BPSK	50	0	16.99	17.02	16.91	18.0	0.0
20	PI/2 BPSK	50	28	17.02	17.03	16.94		
20	PI/2 BPSK	50	56	17.00	16.98	16.93		
20	PI/2 BPSK	100	0	16.94	17.00	16.85	18.0	0.0
20	QPSK	1	1	17.01	16.93	16.86		
20	QPSK	1	53	16.98	17.00	16.89		
20	QPSK	1	104	16.98	17.00	16.88	18.0	0.0
20	QPSK	50	0	16.99	16.95	16.85		
20	QPSK	50	28	17.01	16.83	16.93		
20	QPSK	50	56	16.93	16.98	16.91	18.0	0.0
20	QPSK	100	0	16.87	17.01	16.91		
20	16QAM	1	1	16.92	16.99	16.88		
20	64QAM	1	1	17.00	16.96	16.93	18.0	0.0
20	256QAM	1	1	16.93	17.00	16.86		
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	16.97	16.98	16.93		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	16.99	16.97	16.88		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	16.99	16.99	16.85		

n7_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.35	13.36	13.27	14.8	0.0
20	PI/2 BPSK	1	53	13.31	13.29	13.21		
20	PI/2 BPSK	1	104	13.34	13.32	13.19		
20	PI/2 BPSK	50	0	13.19	13.27	13.15	14.8	0.0
20	PI/2 BPSK	50	28	13.25	13.35	13.20		
20	PI/2 BPSK	50	56	13.23	13.25	13.13		
20	PI/2 BPSK	100	0	13.20	13.29	13.10	14.8	0.0
20	QPSK	1	1	13.21	13.25	13.15		
20	QPSK	1	53	13.24	13.27	13.17		
20	QPSK	1	104	13.28	13.31	13.17	14.8	0.0
20	QPSK	50	0	13.23	13.28	13.13		
20	QPSK	50	28	13.22	13.27	13.10		
20	QPSK	50	56	13.24	13.28	13.11	14.8	0.0
20	QPSK	100	0	13.25	13.32	13.13		
20	16QAM	1	1	13.25	13.30	13.16		
20	64QAM	1	1	13.21	13.26	13.15	14.8	0.0
20	256QAM	1	1	13.28	13.28	13.12		
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	13.23	13.33	13.16		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	13.20	13.32	13.11		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	13.24	13.29	13.14		

n41_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.66	16.68	16.58	18.0	0.0
100	PI/2 BPSK	1	137	16.69	16.71	16.55		
100	PI/2 BPSK	1	271	16.61	16.61	16.63	18.0	0.0
100	PI/2 BPSK	135	0	16.52	16.62	16.58		
100	PI/2 BPSK	135	69	16.69	16.69	16.62	18.0	0.0
100	PI/2 BPSK	135	138	16.53	16.68	16.53	18.0	0.0
100	PI/2 BPSK	270	0	16.54	16.64	16.52	18.0	0.0
100	QPSK	1	1	16.53	16.64	16.55		
100	QPSK	1	137	16.59	16.59	16.58	18.0	0.0
100	QPSK	1	271	16.59	16.62	16.54		
100	QPSK	135	0	16.53	16.68	16.57	18.0	0.0
100	QPSK	135	69	16.54	16.65	16.53		
100	QPSK	135	138	16.58	16.68	16.56	18.0	0.0
100	QPSK	270	0	16.59	16.65	16.57	18.0	0.0
100	64QAM	1	137	16.54	16.64	16.55	18.0	0.0
100	64QAM	1	137	16.58	16.68	16.55	18.0	0.0
100	256QAM	1	137	16.53	16.66	16.52	18.0	0.0
Channel				503200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0
90	PI/2 BPSK	1	120	16.56	16.68	16.60	18.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	0.0
80	PI/2 BPSK	1	109	16.59	16.62	16.61	18.0	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98	18.0	0.0
60	PI/2 BPSK	1	81	16.58	16.63	16.60	18.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0
50	PI/2 BPSK	1	67	16.55	16.66	16.55	18.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	18.0	0.0
40	PI/2 BPSK	1	53	16.50	16.59	16.60	18.0	0.0
Channel				502200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	18.0	0.0
30	PI/2 BPSK	1	40	16.57	16.63	16.55	18.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0
20	PI/2 BPSK	1	26	16.53	16.68	16.54	18.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	18.0	0.0
15	PI/2 BPSK	1	19	16.55	16.67	16.59	18.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	18.0	0.0
10	PI/2 BPSK	1	12	16.56	16.67	16.55	18.0	0.0

n41_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.64	13.65	13.60	15.3	0.0
100	PI/2 BPSK	1	137	13.70	13.72	13.58		
100	PI/2 BPSK	1	271	13.68	13.63	13.58	15.3	0.0
100	PI/2 BPSK	135	0	13.56	13.56	13.54		
100	PI/2 BPSK	135	69	13.60	13.65	13.62	15.3	0.0
100	PI/2 BPSK	135	138	13.59	13.57	13.56	15.3	0.0
100	PI/2 BPSK	270	0	13.55	13.63	13.58	15.3	0.0
100	QPSK	1	1	13.53	13.59	13.53		
100	QPSK	1	137	13.52	13.64	13.53	15.3	0.0
100	QPSK	1	271	13.56	13.58	13.54		
100	QPSK	135	0	13.53	13.61	13.61	15.3	0.0
100	QPSK	135	69	13.52	13.58	13.52		
100	QPSK	135	138	13.50	13.61	13.57	15.3	0.0
100	QPSK	270	0	13.55	13.56	13.56	15.3	0.0
100	64QAM	1	137	13.56	13.59	13.55	15.3	0.0
100	64QAM	1	137	13.55	13.63	13.58	15.3	0.0
100	256QAM	1	137	13.56	13.64	13.60	15.3	0.0
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	15.3	0.0
90	PI/2 BPSK	1	120	13.55	13.64	13.58	15.3	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	15.3	0.0
80	PI/2 BPSK	1	109	13.50	13.64	13.52	15.3	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98	15.3	0.0
60	PI/2 BPSK	1	81	13.55	13.64	13.59	15.3	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	15.3	0.0
50	PI/2 BPSK	1	67	13.50	13.60	13.53	15.3	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	15.3	0.0
40	PI/2 BPSK	1	53	13.54	13.63	13.59	15.3	0.0
Channel				502200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	15.3	0.0
30	PI/2 BPSK	1	40	13.53	13.58	13.53	15.3	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	15.3	0.0
20	PI/2 BPSK	1	26	13.54	13.59	13.56	15.3	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	15.3	0.0
15	PI/2 BPSK	1	19	13.56	13.58	13.52	15.3	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	15.3	0.0
10	PI/2 BPSK	1	12	13.57	13.63	13.60	15.3	0.0



Reduced Power Mode for DS13--5G NR SA

n7_Ant 11									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	15.10	15.17	15.08	16.0	0.0	
20	PI2 BPSK	1	53	15.03	15.11	15.05			
20	PI2 BPSK	1	104	15.02	15.16	14.99			
20	PI2 BPSK	50	0	15.02	15.13	15.02	16.0	0.0	
20	PI2 BPSK	50	28	15.09	15.14	15.03	16.0	0.0	
20	PI2 BPSK	50	56	15.00	15.10	14.94	16.0	0.0	
20	PI2 BPSK	100	0	15.02	15.11	15.02			
20	QPSK	1	1	15.05	15.04	14.94			
20	QPSK	1	53	15.06	15.10	14.95	16.0	0.0	
20	QPSK	1	104	15.06	15.12	14.96			
20	QPSK	50	0	15.07	15.10	14.96			
20	QPSK	50	28	15.00	15.09	14.98	16.0	0.0	
20	QPSK	50	56	15.07	15.11	15.02	16.0	0.0	
20	QPSK	100	0	15.03	15.12	14.99			
20	16QAM	1	1	15.03	15.05	15.02	16.0	0.0	
20	64QAM	1	1	15.03	15.09	14.97	16.0	0.0	
20	256QAM	1	1	15.08	15.12	15.01	16.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	15.04	15.11	14.99	16.0	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	15.05	15.13	14.97	16.0	0.0	
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	15.04	15.04	15.02	16.0	0.0	

n7_Ant 13									
BW [MHz]	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	11.80	11.88	11.82	13.3	0.0	
20	PI2 BPSK	1	53	11.73	11.87	11.72			
20	PI2 BPSK	1	104	11.78	11.80	11.72			
20	PI2 BPSK	50	0	11.84	11.81	11.76	13.3	0.0	
20	PI2 BPSK	50	28	11.74	11.85	11.81	13.3	0.0	
20	PI2 BPSK	50	56	11.86	11.75	11.80	13.3	0.0	
20	PI2 BPSK	100	0	11.73	11.77	11.74			
20	QPSK	1	1	11.83	11.69	11.67			
20	QPSK	1	53	11.86	11.75	11.65	13.3	0.0	
20	QPSK	1	104	11.84	11.69	11.66			
20	QPSK	50	0	11.84	11.72	11.73			
20	QPSK	50	28	11.85	11.74	11.68	13.3	0.0	
20	QPSK	50	56	11.85	11.74	11.85	13.3	0.0	
20	QPSK	100	0	11.86	11.74	11.67			
20	16QAM	1	1	11.71	11.73	11.68	13.3	0.0	
20	64QAM	1	1	11.71	11.75	11.72	13.3	0.0	
20	256QAM	1	1	11.67	11.67	11.66	13.3	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	11.84	11.69	11.68	13.3	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	11.85	11.69	11.65	13.3	0.0	
Channel				507000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	11.71	11.70	11.64	13.3	0.0	

n41_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.19	15.24	15.23	16.5	0.0
100	PI/2 BPSK	1	137	15.26	15.31	15.30		
100	PI/2 BPSK	1	271	15.25	15.24	15.23	16.5	0.0
100	PI/2 BPSK	135	0	15.12	15.24	15.20		
100	PI/2 BPSK	135	69	15.29	15.28	15.22	16.5	0.0
100	PI/2 BPSK	135	138	15.16	15.20	15.13		
100	PI/2 BPSK	270	0	15.10	15.24	15.12	16.5	0.0
100	QPSK	1	1	15.11	15.22	15.16		
100	QPSK	1	137	15.14	15.24	15.16	16.5	0.0
100	QPSK	1	271	15.10	15.16	15.21		
100	QPSK	135	0	15.17	15.21	15.13	16.5	0.0
100	QPSK	135	69	15.17	15.25	15.15		
100	QPSK	135	138	15.15	15.26	15.12	16.5	0.0
100	QPSK	270	0	15.18	15.25	15.13		
100	64QAM	1	137	15.19	15.19	15.13	16.5	0.0
100	64QAM	1	137	15.11	15.26	15.12	16.5	0.0
100	256QAM	1	137	15.16	15.18	15.17	16.5	0.0
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	120	15.18	15.26	15.14	16.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	109	15.17	15.26	15.16	16.5	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	PI/2 BPSK	1	81	15.12	15.25	15.13	16.5	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	67	15.19	15.23	15.21	16.5	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	53	15.19	15.27	15.12	16.5	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	40	15.13	15.21	15.16	16.5	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	26	15.13	15.26	15.17	16.5	0.0
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	19	15.10	15.22	15.18	16.5	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	12	15.12	15.26	15.18	16.5	0.0

n41_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.72	11.68	11.71	13.3	0.0
100	PI/2 BPSK	1	137	11.75	11.77	11.72		
100	PI/2 BPSK	1	271	11.70	11.72	11.65	13.3	0.0
100	PI/2 BPSK	135	0	11.71	11.68	11.58		
100	PI/2 BPSK	135	69	11.75	11.74	11.67	13.3	0.0
100	PI/2 BPSK	135	138	11.69	11.67	11.58		
100	PI/2 BPSK	270	0	11.67	11.73	11.62	13.3	0.0
100	QPSK	1	1	11.66	11.66	11.58		
100	QPSK	1	137	11.71	11.66	11.59	13.3	0.0
100	QPSK	1	271	11.62	11.64	11.66		
100	QPSK	135	0	11.65	11.65	11.58	13.3	0.0
100	QPSK	135	69	11.69	11.73	11.66		
100	QPSK	135	138	11.64	11.70	11.60	13.3	0.0
100	QPSK	270	0	11.70	11.64	11.64		
100	64QAM	1	137	11.65	11.68	11.63	13.3	0.0
100	64QAM	1	137	11.67	11.65	11.64	13.3	0.0
100	256QAM	1	137	11.66	11.72	11.63	13.3	0.0
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	120	11.63	11.69	11.62	13.3	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	109	11.71	11.65	11.68	13.3	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	PI/2 BPSK	1	81	11.70	11.72	11.59	13.3	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	67	11.66	11.65	11.57	13.3	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	53	11.70	11.73	11.57	13.3	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	40	11.64	11.71	11.63	13.3	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	26	11.65	11.71	11.58	13.3	0.0
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	19	11.66	11.67	11.68	13.3	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI/2 BPSK	1	12	11.70	11.73	11.60	13.3	0.0



Reduced Power Mode for DS14-5GNR SA

n7_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.06	23.12	23.05	24.0	0.0
20	PI/2 BPSK	1	53	22.94	23.10	22.92		
20	PI/2 BPSK	1	104	23.00	23.00	22.91		
20	PI/2 BPSK	50	0	22.48	22.57	22.49	23.5	0.5
20	PI/2 BPSK	50	28	23.09	23.11	23.06	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.56	22.47	23.5	0.5
20	PI/2 BPSK	100	0	22.41	22.52	22.47	23.0	1.0
20	QPSK	1	1	23.00	22.96	23.00		
20	QPSK	1	53	23.03	23.00	22.97		
20	QPSK	1	104	22.90	22.89	22.99	23.0	1.0
20	QPSK	50	0	22.06	22.02	22.09		
20	QPSK	50	28	23.06	23.06	23.07		
20	QPSK	50	56	22.05	22.01	22.03	23.0	1.0
20	QPSK	100	0	22.02	22.10	22.07		
20	16QAM	1	1	21.61	21.70	21.58	23.0	1.0
20	64QAM	1	1	20.27	20.41	20.28	21.5	2.5
20	256QAM	1	1	18.67	18.78	18.66	19.5	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	22.88	23.01	22.93		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	22.96	23.03	22.87		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	22.92	23.01	22.93		

n7_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.28	21.38	21.31	22.8	0.0
20	PI/2 BPSK	1	53	21.24	21.31	21.22		
20	PI/2 BPSK	1	104	21.24	21.35	21.22		
20	PI/2 BPSK	50	0	21.12	21.24	21.25	22.8	0.0
20	PI/2 BPSK	50	28	21.18	21.30	21.27	22.8	0.0
20	PI/2 BPSK	50	56	21.08	21.20	21.22	22.8	0.0
20	PI/2 BPSK	100	0	21.15	21.22	21.21	22.8	0.0
20	QPSK	1	1	21.16	21.23	21.25		
20	QPSK	1	53	21.11	21.23	21.20		
20	QPSK	1	104	21.17	21.25	21.25	22.8	0.0
20	QPSK	50	0	21.12	21.27	21.26		
20	QPSK	50	28	21.09	21.20	21.24		
20	QPSK	50	56	21.09	21.27	21.19	22.8	0.0
20	QPSK	100	0	21.13	21.23	21.18		
20	16QAM	1	1	21.09	21.28	21.23	22.8	0.0
20	64QAM	1	1	19.66	19.73	19.73	21.3	1.5
20	256QAM	1	1	18.10	18.11	18.05	19.3	3.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	21.23	21.36	21.28		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	21.20	21.34	21.29		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	21.23	21.35	21.27		

n41_Ant 11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528000	25.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.05	23.05	23.02		
100	PI/2 BPSK	1	137	23.73	23.84	23.74		
100	PI/2 BPSK	1	271	23.03	23.12	23.05	24.5	0.5
100	PI/2 BPSK	135	0	22.87	23.02	22.89		
100	PI/2 BPSK	135	69	23.71	23.83	23.72		
100	PI/2 BPSK	135	138	23.17	23.27	23.18		
100	PI/2 BPSK	270	0	23.07	23.12	23.01	25.0	0.0
100	QPSK	1	1	23.01	23.02	23.01		
100	QPSK	1	137	23.83	23.81	23.82		
100	QPSK	1	271	23.04	23.02	23.00		
100	QPSK	135	0	23.06	23.07	23.06	25.0	0.0
100	QPSK	135	69	23.81	23.78	23.82		
100	QPSK	135	138	23.05	23.03	23.02		
100	QPSK	270	0	23.22	23.24	23.22		
100	8QAM	1	137	23.03	23.04	23.01	24.0	1.0
100	8QAM	1	137	21.18	21.22	21.19	22.5	2.5
100	256QAM	1	137	19.68	19.71	19.69	20.5	4.5
Channel				503200	518998	528998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	120	23.62	23.80	23.64	25.0	0.0
Channel				507204	518998	528998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	109	23.60	23.76	23.63	25.0	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2528	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	81	23.64	23.79	23.68	25.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	67	23.59	23.69	23.68	25.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	53	23.67	23.72	23.59	25.0	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	40	23.70	23.80	23.63	25.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	26	23.58	23.78	23.65	25.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	PI/2 BPSK	1	19	23.61	23.79	23.63	25.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	PI/2 BPSK	1	12	23.65	23.83	23.71	25.0	0.0

n41_Ant 13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528000	22.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.13	21.20	21.09		
100	PI/2 BPSK	1	137	21.14	21.21	21.19		
100	PI/2 BPSK	1	271	21.04	21.17	21.14	22.8	0.0
100	PI/2 BPSK	135	0	21.10	21.19	21.10		
100	PI/2 BPSK	135	69	21.10	21.20	21.13		
100	PI/2 BPSK	135	138	21.10	21.11	21.11		
100	PI/2 BPSK	270	0	21.06	21.19	21.11	22.8	0.0
100	QPSK	1	1	21.05	21.10	21.11		
100	QPSK	1	137	21.03	21.12	21.06		
100	QPSK	1	271	21.01	21.19	21.09		
100	QPSK	135	0	21.01	21.19	21.09	22.8	0.0
100	QPSK	135	69	21.07	21.11	21.07		
100	QPSK	135	138	21.08	21.19	21.11		
100	QPSK	270	0	21.08	21.10	21.11		
100	8QAM	1	137	21.09	21.19	21.07	22.8	0.0
100	8QAM	1	137	20.57	20.67	20.60	22.3	0.5
100	256QAM	1	137	19.09	19.19	19.05	20.3	2.5
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	120	21.03	21.19	21.10	22.8	0.0
Channel				507204	518998	528998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	109	21.02	21.11	21.10	22.8	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2528	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	81	21.08	21.18	21.04	22.8	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	67	21.01	21.15	21.04	22.8	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	53	21.02	21.17	21.10	22.8	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	40	21.04	21.16	21.11	22.8	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	26	21.05	21.10	21.05	22.8	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	PI/2 BPSK	1	19	21.05	21.16	21.12	22.8	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	PI/2 BPSK	1	12	21.01	21.13	21.07	22.8	0.0



Reduced Power Mode for DSIS--5GNR SA

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	20.62	20.64	20.61	21.5	0.0	
20	PI2 BPSK	1	53	20.56	20.60	20.56			
20	PI2 BPSK	1	104	20.61	20.61	20.60			
20	PI2 BPSK	50	0	20.53	20.63	20.51	21.5	0.0	
20	PI2 BPSK	50	28	20.59	20.63	20.55	21.5	0.0	
20	PI2 BPSK	50	56	20.50	20.54	20.54	21.5	0.0	
20	PI2 BPSK	100	0	20.53	20.59	20.52			
20	QPSK	1	1	20.51	20.61	20.48			
20	QPSK	1	53	20.57	20.61	20.53	21.5	0.0	
20	QPSK	1	104	20.57	20.54	20.53			
20	QPSK	50	0	20.53	20.61	20.49			
20	QPSK	50	28	20.57	20.62	20.45	21.5	0.0	
20	QPSK	50	56	20.59	20.56	20.46	21.5	0.0	
20	QPSK	100	0	20.51	20.54	20.49			
20	16QAM	1	1	20.57	20.53	20.52			
20	64QAM	1	1	20.55	20.61	20.45	21.5	0.0	
20	256QAM	1	1	18.56	18.58	18.45	19.5	2.0	
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	20.55	20.59	20.51	21.5	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	20.54	20.62	20.58	21.5	0.0	
Channel				507000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	20.58	20.56	20.58	21.5	0.0	

n7_Ant 13									
BW [MHz]	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	PI/2 BPSK	1	1	16.78	16.87	16.79	18.3	0.0	
20	PI/2 BPSK	1	53	16.72	16.77	16.69			
20	PI/2 BPSK	1	104	16.76	16.81	16.77			
20	PI/2 BPSK	50	0	16.66	16.79	16.69	18.3	0.0	
20	PI/2 BPSK	50	28	16.69	16.82	16.76	18.3	0.0	
20	PI/2 BPSK	50	56	16.64	16.75	16.72	18.3	0.0	
20	PI/2 BPSK	100	0	16.67	16.72	16.68			
20	QPSK	1	1	16.66	16.78	16.75			
20	QPSK	1	53	16.59	16.78	16.68	18.3	0.0	
20	QPSK	1	104	16.61	16.75	16.72			
20	QPSK	50	0	16.63	16.75	16.72			
20	QPSK	50	28	16.62	16.79	16.70	18.3	0.0	
20	QPSK	50	56	16.65	16.81	16.70	18.3	0.0	
20	QPSK	100	0	16.64	16.72	16.71			
20	16QAM	1	1	16.59	16.80	16.67			
20	64QAM	1	1	16.68	16.76	16.69	18.3	0.0	
20	256QAM	1	1	16.68	16.79	16.66	18.3	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	16.64	16.78	16.71	18.3	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	16.60	16.72	16.68	18.3	0.0	
Channel				507000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	16.60	16.77	16.70	18.3	0.0	

n41_Ant 11								
BW [MHz]	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	20.5	0.0
Frequency (MHz)				2540.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.20	19.34	19.29	20.5	0.0
100	PI/2 BPSK	1	137	19.27	19.36	19.32		
100	PI/2 BPSK	1	271	19.21	19.33	19.30	20.5	0.0
100	PI/2 BPSK	135	0	19.18	19.28	19.19		
100	PI/2 BPSK	135	69	19.25	19.30	19.23	20.5	0.0
100	PI/2 BPSK	135	138	19.21	19.28	19.15		
100	PI/2 BPSK	270	0	19.25	19.26	19.14	20.5	0.0
100	QPSK	1	1	19.20	19.20	19.16		
100	QPSK	1	137	19.23	19.25	19.22	20.5	0.0
100	QPSK	1	271	19.16	19.23	19.21		
100	QPSK	135	0	19.23	19.22	19.15	20.5	0.0
100	QPSK	135	69	19.24	19.29	19.18		
100	QPSK	135	138	19.21	19.20	19.21	20.5	0.0
100	QPSK	270	0	19.25	19.26	19.16		
100	64QAM	1	137	19.24	19.27	19.16	20.5	0.0
100	64QAM	1	137	19.25	19.28	19.20		
100	256QAM	1	137	19.29	19.21	19.17	20.5	0.0
Channel				506200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	20.5	0.0
90	PI/2 BPSK	1	120	19.23	19.26	19.16		
Channel				507204	518598	529998	20.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	109	19.16	19.26	19.20	20.5	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98	20.5	0.0
60	PI/2 BPSK	1	81	19.19	19.20	19.22		
Channel				504204	518598	532998	20.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	67	19.22	19.21	19.16	20.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	20.5	0.0
40	PI/2 BPSK	1	53	19.22	19.27	19.18		
Channel				502200	518598	535998	20.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	40	19.22	19.27	19.21	20.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	20.5	0.0
20	PI/2 BPSK	1	26	19.22	19.20	19.20		
Channel				500700	518598	536498	20.5	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	19	19.24	19.24	19.13	20.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685	20.5	0.0
10	PI/2 BPSK	1	12	19.26	19.22	19.18		

n41_Ant 13								
BW [MHz]	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	19.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.62	17.68	17.65	19.3	0.0
100	PI/2 BPSK	1	137	17.71	17.74	17.68		
100	PI/2 BPSK	1	271	17.61	17.65	17.65	19.3	0.0
100	PI/2 BPSK	135	0	17.65	17.66	17.54		
100	PI/2 BPSK	135	69	17.61	17.71	17.57	19.3	0.0
100	PI/2 BPSK	135	138	17.63	17.67	17.51		
100	PI/2 BPSK	270	0	17.61	17.69	17.50	19.3	0.0
100	QPSK	1	1	17.57	17.63	17.58		
100	QPSK	1	137	17.60	17.66	17.48	19.3	0.0
100	QPSK	1	271	17.66	17.68	17.56		
100	QPSK	135	0	17.61	17.68	17.51	19.3	0.0
100	QPSK	135	69	17.65	17.70	17.49		
100	QPSK	135	138	17.58	17.67	17.47	19.3	0.0
100	QPSK	270	0	17.61	17.69	17.49		
100	64QAM	1	137	17.60	17.61	17.51	19.3	0.0
100	64QAM	1	137	17.61	17.65	17.49		
100	256QAM	1	137	17.61	17.66	17.52	19.3	0.0
Channel				506200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	19.3	0.0
90	PI/2 BPSK	1	120	17.60	17.66	17.47		
Channel				507204	518598	529998	19.3	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	109	17.57	17.67	17.47	19.3	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98	19.3	0.0
60	PI/2 BPSK	1	81	17.59	17.67	17.56		
Channel				504204	518598	532998	19.3	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	67	17.58	17.63	17.50	19.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	19.3	0.0
40	PI/2 BPSK	1	53	17.60	17.62	17.48		
Channel				502200	518598	535998	19.3	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	40	17.58	17.68	17.54	19.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	19.3	0.0
20	PI/2 BPSK	1	26	17.65	17.63	17.54		
Channel				500700	518598	536498	19.3	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI/2 BPSK	1	19	17.65	17.63	17.58	19.3	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685	19.3	0.0
10	PI/2 BPSK	1	12	17.66	17.66	17.55		



Reduced Power Mode for DSI8/10-5GNR SA

n7_Ant 11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.03	18.66	18.58	19.5	0.0	
20	PI/2 BPSK	1	53	18.57	18.63	18.50			
20	PI/2 BPSK	1	104	18.53	18.63	18.52			
20	PI/2 BPSK	50	0	18.55	18.54	18.48	19.5	0.0	
20	PI/2 BPSK	50	28	18.58	18.64	18.55	19.5	0.0	
20	PI/2 BPSK	50	56	18.55	18.57	18.45	19.5	0.0	
20	PI/2 BPSK	100	0	18.52	18.54	18.47			
20	QPSK	1	1	18.50	18.56	18.53			
20	QPSK	1	53	18.48	18.57	18.50	19.5	0.0	
20	QPSK	1	104	18.49	18.58	18.48			
20	QPSK	50	0	18.56	18.63	18.50		0.0	
20	QPSK	50	28	18.56	18.57	18.46	19.5	0.0	
20	QPSK	50	56	18.52	18.54	18.48	19.5	0.0	
20	QPSK	100	0	18.52	18.63	18.45			
20	16QAM	1	1	18.56	18.59	18.52	19.5	0.0	
20	64QAM	1	1	18.46	18.63	18.46	19.5	0.0	
20	256QAM	1	1	18.50	18.59	18.45	19.5	0.0	
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
15	PI/2 BPSK	1	1	18.52	18.54	18.52	19.5	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	PI/2 BPSK	1	1	18.50	18.57	18.51	19.5	0.0	
Channel				507000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	PI/2 BPSK	1	1	18.51	18.56	18.54	19.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.28	15.35	15.30	16.8	0.0	
20	PI/2 BPSK	1	53	15.22	15.33	15.29			
20	PI/2 BPSK	1	104	15.23	15.32	15.22			
20	PI/2 BPSK	50	0	15.17	15.26	15.27	16.8	0.0	
20	PI/2 BPSK	50	28	15.25	15.30	15.28	16.8	0.0	
20	PI/2 BPSK	50	56	15.21	15.29	15.27	16.8	0.0	
20	PI/2 BPSK	100	0	15.23	15.26	15.25			
20	QPSK	1	1	15.23	15.23	15.22			
20	QPSK	1	53	15.18	15.22	15.19	16.8	0.0	
20	QPSK	1	104	15.19	15.28	15.23			
20	QPSK	50	0	15.15	15.26	15.24		0.0	
20	QPSK	50	28	15.20	15.26	15.25	16.8	0.0	
20	QPSK	50	56	15.24	15.21	15.27	16.8	0.0	
20	QPSK	100	0	15.18	15.28	15.23			
20	16QAM	1	1	15.18	15.28	15.25	16.8	0.0	
20	64QAM	1	1	15.16	15.24	15.18	16.8	0.0	
20	256QAM	1	1	15.24	15.27	15.24	16.8	0.0	
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
15	PI/2 BPSK	1	1	15.15	15.20	15.23	16.8	0.0	
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	PI/2 BPSK	1	1	15.23	15.23	15.19	16.8	0.0	
Channel				507000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	PI/2 BPSK	1	1	15.23	15.25	15.23	16.8	0.0	

n41_Ant 11									
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				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	17.70	17.76	17.73	19.0	0.0	
100	PI2 BPSK	1	137	17.80	17.86	17.77			
100	PI2 BPSK	1	271	17.78	17.85	17.76			
100	PI2 BPSK	135	0	17.65	17.76	17.67			
100	PI2 BPSK	135	69	17.74	17.62	17.75	19.0	0.0	
100	PI2 BPSK	135	138	17.64	17.75	17.70	19.0	0.0	
100	PI2 BPSK	270	0	17.62	17.81	17.72			
100	QPSK	1	1	17.67	17.72	17.74			
100	QPSK	1	137	17.66	17.78	17.66			
100	QPSK	1	271	17.69	17.78	17.66	19.0	0.0	
100	QPSK	135	0	17.62	17.75	17.72			
100	QPSK	135	69	17.62	17.78	17.65			
100	QPSK	135	138	17.66	17.79	17.69			
100	QPSK	270	0	17.66	17.80	17.66	19.0	0.0	
100	8QAM	1	137	17.64	17.79	17.65	19.0	0.0	
100	8QAM	1	137	17.64	17.81	17.66	19.0	0.0	
100	256QAM	1	137	17.69	17.72	17.72	19.0	0.0	
Channel				506200	518598	528998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	PI2 BPSK	1	120	17.61	17.81	17.73	19.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		
80	PI2 BPSK	1	109	17.61	17.79	17.70	19.0	0.0	
Channel				506200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2528	2592.99	2659.98	(dBm)		
60	PI2 BPSK	1	81	17.66	17.79	17.73	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	PI2 BPSK	1	67	17.66	17.81	17.74	19.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	PI2 BPSK	1	53	17.67	17.80	17.74	19.0	0.0	
Channel				502200	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	PI2 BPSK	1	40	17.62	17.76	17.69	19.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	PI2 BPSK	1	26	17.66	17.74	17.74	19.0	0.0	
Channel				500700	518598	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)		
15	PI2 BPSK	1	19	17.67	17.74	17.73	19.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)		
10	PI2 BPSK	1	12	17.61	17.79	17.65	19.0	0.0	

n41_Ant 13									
BW [MHz]	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	15.67	15.70	15.68	17.3	0.0	
100	PI2 BPSK	1	137	15.71	15.79	15.77			
100	PI2 BPSK	1	271	15.62	15.71	15.68			
100	PI2 BPSK	135	0	15.62	15.70	15.59			
100	PI2 BPSK	135	69	15.64	15.71	15.69	17.3	0.0	
100	PI2 BPSK	135	138	15.56	15.61	15.67	17.3	0.0	
100	PI2 BPSK	270	0	15.59	15.67	15.64			
100	QPSK	1	1	15.62	15.65	15.62			
100	QPSK	1	137	15.58	15.63	15.62			
100	QPSK	1	271	15.58	15.68	15.59	17.3	0.0	
100	QPSK	135	0	15.62	15.64	15.61			
100	QPSK	135	69	15.61	15.61	15.59			
100	QPSK	135	138	15.62	15.62	15.67			
100	QPSK	270	0	15.54	15.64	15.55	17.3	0.0	
100	8QAM	1	137	15.56	15.65	15.58	17.3	0.0	
100	8QAM	1	137	15.61	15.61	15.58	17.3	0.0	
100	256QAM	1	137	15.54	15.62	15.60	17.3	0.0	
Channel				506200	518598	528998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	120	15.60	15.68	15.66	17.3	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2534	2592.99	2649.99			
80	PI2 BPSK	1	109	15.64	15.64	15.63	17.3	0.0	
Channel				506200	518598	531998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI2 BPSK	1	81	15.62	15.69	15.65	17.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	67	15.58	15.65	15.59	17.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	53	15.62	15.65	15.64	17.3	0.0	
Channel				502200	518598	535998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	40	15.63	15.69	15.63	17.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	26	15.55	15.61	15.61	17.3	0.0	
Channel				500700	518598	536498	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	19	15.60	15.68	15.60	17.3	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	12	15.63	15.62	15.65	17.3	0.0	

Reduced Power Mode for DS19-6GNR SA

n7_Ant 11									
BW (MHz)	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	19.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PV2 BPSK	1	1	18.63	18.66	18.68	19.5	0.0	
20	PV2 BPSK	1	53	18.57	18.63	18.50			
20	PV2 BPSK	1	104	18.63	18.63	18.52			
20	PV2 BPSK	50	0	18.55	18.54	18.48	19.5	0.0	
20	PV2 BPSK	50	28	18.58	18.64	18.55	19.5	0.0	
20	PV2 BPSK	50	56	18.55	18.57	18.45	19.5	0.0	
20	PV2 BPSK	100	0	18.52	18.54	18.47	19.5	0.0	
20	QPSK	1	1	18.50	18.58	18.53			
20	QPSK	1	53	18.48	18.57	18.50			
20	QPSK	1	104	18.49	18.58	18.48	19.5	0.0	
20	QPSK	50	0	18.56	18.63	18.50			
20	QPSK	50	28	18.56	18.57	18.48			
20	QPSK	50	56	18.52	18.54	18.48	19.5	0.0	
20	QPSK	100	0	18.52	18.63	18.45			
20	16QAM	1	1	18.56	18.59	18.52	19.5	0.0	
20	64QAM	1	1	18.48	18.63	18.46	19.5	0.0	
20	256QAM	1	1	18.50	18.59	18.45	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PV2 BPSK	1	1	18.52	18.54	18.52	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PV2 BPSK	1	1	18.50	18.57	18.51	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PV2 BPSK	1	1	18.51	18.56	18.54	19.5	0.0	

n41_Ant 11									
BW (MHz)	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	PV2 BPSK	1	1	17.70	17.76	17.73			
100	PV2 BPSK	1	137	17.80	17.86	17.77	19.0	0.0	
100	PV2 BPSK	1	271	17.78	17.85	17.78			
100	PV2 BPSK	135	0	17.65	17.76	17.67	19.0	0.0	
100	PV2 BPSK	135	69	17.71	17.82	17.75	19.0	0.0	
100	PV2 BPSK	135	138	17.64	17.75	17.70			
100	PV2 BPSK	270	0	17.62	17.81	17.72	19.0	0.0	
100	QPSK	1	1	17.67	17.72	17.74			
100	QPSK	1	137	17.66	17.78	17.68	19.0	0.0	
100	QPSK	1	271	17.68	17.78	17.69			
100	QPSK	135	0	17.62	17.75	17.72			
100	QPSK	135	69	17.62	17.78	17.65	19.0	0.0	
100	QPSK	135	138	17.66	17.79	17.69			
100	QPSK	270	0	17.66	17.80	17.68	19.0	0.0	
100	16QAM	1	137	17.64	17.79	17.65	19.0	0.0	
100	64QAM	1	137	17.64	17.81	17.68	19.0	0.0	
100	256QAM	1	137	17.63	17.72	17.72	19.0	0.0	
	Channel			508200	518598	528998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2641	2692.99	2644.98			
90	PV2 BPSK	1	120	17.61	17.81	17.73	19.0	0.0	
	Channel			507204	518598	529998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2536.02	2592.99	2649.98			
80	PV2 BPSK	1	109	17.61	17.79	17.70	19.0	0.0	
	Channel			505200	518598	531998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2526	2592.99	2659.98			
60	PV2 BPSK	1	81	17.65	17.79	17.73	19.0	0.0	
	Channel			504204	518598	532998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2511.02	2592.99	2654.99			
50	PV2 BPSK	1	67	17.68	17.81	17.74	19.0	0.0	
	Channel			503202	518598	534000	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2516.01	2592.99	2670			
40	PV2 BPSK	1	53	17.67	17.80	17.74	19.0	0.0	
	Channel			502200	518598	535998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2511	2592.99	2674.98			
30	PV2 BPSK	1	40	17.62	17.76	17.69	19.0	0.0	
	Channel			501204	518598	536998	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2503.02	2592.99	2679.99			
20	PV2 BPSK	1	28	17.68	17.74	17.74	19.0	0.0	
	Channel			500700	518598	538498	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2503.5	2592.99	2682.48			
15	PV2 BPSK	1	19	17.67	17.74	17.72	19.0	0.0	
	Channel			500202	518598	537000	Tune-up limit (dBm)	MPR	
	Frequency (MHz)			2501.01	2592.99	2688			
10	PV2 BPSK	1	12	17.61	17.79	17.65	19.0	0.0	



Full/Default power for 5G NR NSA

n5_Ant 41									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.41	23.46	23.43	24.5	0.0	
20	PI2 BPSK	1	53	23.39	23.45	23.42			
20	PI2 BPSK	1	104	23.35	23.38	23.29			
20	PI2 BPSK	50	0	22.96	22.97	22.96	24.0	0.5	
20	PI2 BPSK	50	28	23.32	23.42	23.33	24.5	0.0	
20	PI2 BPSK	50	56	22.75	22.84	22.76	24.0	0.5	
20	PI2 BPSK	100	0	22.96	22.96	22.88			
20	QPSK	1	1	23.36	23.37	23.33			
20	QPSK	1	53	23.38	23.42	23.40	24.5	0.0	
20	QPSK	1	104	23.25	23.26	23.24			
20	QPSK	50	0	22.42	22.46	22.39		1.0	
20	QPSK	50	28	23.42	23.45	23.37	24.5	0.0	
20	QPSK	50	56	22.25	22.31	22.24	23.5	1.0	
20	QPSK	100	0	22.39	22.42	22.36			
20	16QAM	1	1	22.05	22.15	22.10	23.5	1.0	
20	64QAM	1	1	20.77	20.81	20.71	22.0	2.5	
20	256QAM	1	1	19.15	19.25	19.24	20.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	23.26	23.41	23.26	24.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	23.35	22.91	23.31	24.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	23.35	23.11	23.32	24.5	0.0	

n7_Ant 11									
BW [MHz]	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	23.09	23.12	23.05	24.0	0.0	
20	PI2 BPSK	1	53	22.94	23.10	22.92			
20	PI2 BPSK	1	104	23.00	23.00	22.91			
20	PI2 BPSK	50	0	22.48	22.57	22.49	23.5	0.5	
20	PI2 BPSK	50	28	23.06	23.11	23.09	24.0	0.0	
20	PI2 BPSK	50	56	22.45	22.56	22.47	23.5	0.5	
20	PI2 BPSK	100	0	22.41	22.52	22.47			
20	QPSK	1	1	23.00	22.98	23.00			
20	QPSK	1	53	23.03	23.00	22.97	24.0	0.0	
20	QPSK	1	104	22.90	22.89	22.99	23.0	1.0	
20	QPSK	50	0	22.06	22.02	22.09			
20	QPSK	50	28	23.06	23.06	23.07		0.0	
20	QPSK	50	56	22.05	22.01	22.03	23.0	1.0	
20	QPSK	100	0	22.02	22.10	22.07			
20	16QAM	1	1	21.61	21.70	21.58	23.0	1.0	
20	64QAM	1	1	20.27	20.41	20.26	21.5	2.5	
20	256QAM	1	1	18.67	18.78	18.66	19.5	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	22.88	23.01	22.93	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	22.96	23.03	22.87	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	22.92	23.01	22.93	24.0	0.0	

n7_Ant 13									
BW [MHz]	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	22.21	22.23	22.08	23.8	0.0	
20	PI2 BPSK	1	53	22.07	22.20	21.99			
20	PI2 BPSK	1	104	22.06	22.13	22.00			
20	PI2 BPSK	50	0	22.09	22.09	21.94	23.3	0.5	
20	PI2 BPSK	50	28	22.10	22.15	22.04	23.8	0.0	
20	PI2 BPSK	50	56	21.98	22.05	22.00	23.3	0.5	
20	PI2 BPSK	100	0	22.02	22.10	21.97			
20	QPSK	1	1	22.13	22.16	22.10			
20	QPSK	1	53	22.07	22.14	22.15	23.8	0.0	
20	QPSK	1	104	21.98	22.08	22.08	22.8	1.0	
20	QPSK	50	0	21.56	21.59	21.55			
20	QPSK	50	28	22.02	22.03	22.13		0.0	
20	QPSK	50	56	21.91	21.61	21.52	22.8	1.0	
20	QPSK	100	0	21.58	21.69	21.67			
20	16QAM	1	1	21.15	21.16	21.13	22.8	1.0	
20	64QAM	1	1	19.54	19.56	19.48	21.3	2.5	
20	256QAM	1	1	18.08	18.15	18.04	19.3	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	22.20	22.08	22.04	23.8	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	22.11	22.14	22.04	23.8	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	22.15	22.11	21.97	23.8	0.0	



n5_Ant 41									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	20.24	20.29	20.25	21.0	0.0	
20	PI2 BPSK	1	53	20.10	20.16	20.14			
20	PI2 BPSK	1	104	19.98	20.08	19.96			
20	PI2 BPSK	50	0	20.20	20.23	20.12	21.0	0.0	
20	PI2 BPSK	50	28	20.22	20.26	20.20	21.0	0.0	
20	PI2 BPSK	50	58	20.00	20.02	19.99	21.0	0.0	
20	PI2 BPSK	100	0	20.11	20.14	20.04			
20	QPSK	1	1	20.06	20.09	20.01			
20	QPSK	1	53	20.03	20.11	19.98	21.0	0.0	
20	QPSK	1	104	19.95	20.03	19.97	21.0	0.0	
20	QPSK	50	0	19.90	19.99	19.89			
20	QPSK	50	28	20.00	20.01	19.98			
20	QPSK	50	58	19.96	20.04	20.02	21.0	0.0	
20	QPSK	100	0	19.98	20.03	20.02			
20	16QAM	1	1	19.80	19.92	19.90	21.0	0.0	
20	64QAM	1	1	19.83	19.96	19.81	21.0	0.0	
20	256QAM	1	1	19.33	19.35	19.29	20.0	1.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	19.99	20.06	20.02	21.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	20.05	20.05	20.03	21.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	20.00	20.04	19.99	21.0	0.0	

Reduced Power Mode for DS12-5GNR NSA

n7_Ant 11									
BW [MHz]	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	15.10	15.17	15.08	16.0	0.0	
20	PI2 BPSK	1	53	15.03	15.11	15.05			
20	PI2 BPSK	1	104	15.02	15.16	14.99			
20	PI2 BPSK	50	0	15.02	15.13	15.02	16.0	0.0	
20	PI2 BPSK	50	28	15.06	15.14	15.05	16.0	0.0	
20	PI2 BPSK	50	58	15.00	15.10	14.94	16.0	0.0	
20	PI2 BPSK	100	0	15.02	15.11	15.02			
20	QPSK	1	1	15.06	15.04	14.94			
20	QPSK	1	53	15.06	15.10	14.95	16.0	0.0	
20	QPSK	1	104	15.06	15.12	14.96	16.0	0.0	
20	QPSK	50	0	15.07	15.10	14.96			
20	QPSK	50	28	15.00	15.09	14.98			
20	QPSK	50	58	15.07	15.11	15.02	16.0	0.0	
20	QPSK	100	0	15.03	15.12	14.99			
20	16QAM	1	1	15.03	15.05	15.02	16.0	0.0	
20	64QAM	1	1	15.03	15.09	14.97	16.0	0.0	
20	256QAM	1	1	15.08	15.12	15.01	16.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	15.04	15.11	14.99	16.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	15.05	15.13	14.97	16.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	15.04	15.04	15.02	16.0	0.0	

n7_Ant 13									
BW [MHz]	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	11.80	11.88	11.82	13.3	0.0	
20	PI2 BPSK	1	53	11.73	11.87	11.72			
20	PI2 BPSK	1	104	11.78	11.80	11.72			
20	PI2 BPSK	50	0	11.64	11.81	11.76	13.3	0.0	
20	PI2 BPSK	50	28	11.74	11.85	11.81	13.3	0.0	
20	PI2 BPSK	50	58	11.66	11.75	11.80	13.3	0.0	
20	PI2 BPSK	100	0	11.73	11.77	11.74			
20	QPSK	1	1	11.63	11.69	11.67			
20	QPSK	1	53	11.66	11.75	11.65	13.3	0.0	
20	QPSK	1	104	11.84	11.69	11.66	13.3	0.0	
20	QPSK	50	0	11.64	11.72	11.73			
20	QPSK	50	28	11.65	11.74	11.68			
20	QPSK	50	58	11.85	11.74	11.65	13.3	0.0	
20	QPSK	100	0	11.66	11.74	11.67			
20	16QAM	1	1	11.71	11.73	11.68	13.3	0.0	
20	64QAM	1	1	11.71	11.75	11.72	13.3	0.0	
20	256QAM	1	1	11.67	11.67	11.66	13.3	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	11.84	11.69	11.68	13.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	11.85	11.69	11.65	13.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	11.71	11.70	11.64	13.3	0.0	



n5_Ant 41									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	17.59	17.71	17.68	18.5	0.0	
20	PI2 BPSK	1	53	17.47	17.56	17.49			
20	PI2 BPSK	1	104	17.39	17.46	17.41			
20	PI2 BPSK	50	0	17.31	17.58	17.42	18.5	0.0	
20	PI2 BPSK	50	28	17.61	17.64	17.58	18.5	0.0	
20	PI2 BPSK	50	56	17.38	17.51	17.46	18.5	0.0	
20	PI2 BPSK	100	0	17.56	17.63	17.59			
20	QPSK	1	1	17.45	17.55	17.45			
20	QPSK	1	53	17.45	17.52	17.41	18.5	0.0	
20	QPSK	1	104	17.32	17.55	17.33	18.5	0.0	
20	QPSK	50	0	17.44	17.49	17.45			
20	QPSK	50	28	17.43	17.61	17.39			
20	QPSK	50	56	17.40	17.53	17.36	18.5	0.0	
20	QPSK	100	0	17.44	17.37	17.40			
20	16QAM	1	1	17.25	17.34	17.26	18.5	0.0	
20	64QAM	1	1	17.29	17.39	17.33	18.5	0.0	
20	256QAM	1	1	17.38	17.43	17.52	18.5	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	18.5	0.0	
15	PI2 BPSK	1	1	17.40	17.54	17.40	18.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	18.5	0.0	
10	PI2 BPSK	1	1	17.45	17.49	17.42	18.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	18.5	0.0	
5	PI2 BPSK	1	1	17.46	17.51	17.45	18.5	0.0	

Reduced Power Mode for DS13-5GNR NSA									
n7_Ant 11									
BW [MHz]	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	12.27	12.31	12.18	13.0	0.0	
20	PI2 BPSK	1	53	12.08	12.18	12.09			
20	PI2 BPSK	1	104	12.08	12.13	12.08			
20	PI2 BPSK	50	0	12.10	12.15	12.02	13.0	0.0	
20	PI2 BPSK	50	28	12.14	12.27	12.22	13.0	0.0	
20	PI2 BPSK	50	56	11.95	12.21	11.97	13.0	0.0	
20	PI2 BPSK	100	0	12.17	12.26	12.14			
20	QPSK	1	1	12.20	12.21	12.12			
20	QPSK	1	53	12.11	12.06	12.06	13.0	0.0	
20	QPSK	1	104	12.06	12.15	12.18	13.0	0.0	
20	QPSK	50	0	12.07	12.14	12.01			
20	QPSK	50	28	11.96	12.08	11.97			
20	QPSK	50	56	11.95	12.07	12.01	13.0	0.0	
20	QPSK	100	0	12.01	12.13	12.02			
20	16QAM	1	1	11.86	11.98	11.88	13.0	0.0	
20	64QAM	1	1	11.97	12.01	11.97	13.0	0.0	
20	256QAM	1	1	12.08	12.12	12.10	13.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	13.0	0.0	
15	PI2 BPSK	1	1	12.14	12.16	12.11	13.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	13.0	0.0	
10	PI2 BPSK	1	1	12.20	12.17	12.18	13.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	13.0	0.0	
5	PI2 BPSK	1	1	12.17	12.20	12.19	13.0	0.0	

n7_Ant 13									
BW [MHz]	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	8.74	8.79	8.76	10.3	0.0	
20	PI2 BPSK	1	53	8.65	8.73	8.74			
20	PI2 BPSK	1	104	8.72	8.75	8.71			
20	PI2 BPSK	50	0	8.62	8.74	8.68	10.3	0.0	
20	PI2 BPSK	50	28	8.66	8.76	8.74	10.3	0.0	
20	PI2 BPSK	50	56	8.65	8.75	8.65	10.3	0.0	
20	PI2 BPSK	100	0	8.63	8.73	8.68			
20	QPSK	1	1	8.62	8.69	8.65			
20	QPSK	1	53	8.58	8.75	8.66	10.3	0.0	
20	QPSK	1	104	8.63	8.72	8.69	10.3	0.0	
20	QPSK	50	0	8.60	8.73	8.69			
20	QPSK	50	28	8.57	8.72	8.66			
20	QPSK	50	56	8.59	8.72	8.66	10.3	0.0	
20	QPSK	100	0	8.62	8.73	8.73			
20	16QAM	1	1	8.61	8.74	8.72	10.3	0.0	
20	64QAM	1	1	8.65	8.69	8.67	10.3	0.0	
20	256QAM	1	1	8.60	8.73	8.67	10.3	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	10.3	0.0	
15	PI2 BPSK	1	1	8.63	8.69	8.67	10.3	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	10.3	0.0	
10	PI2 BPSK	1	1	8.58	8.72	8.67	10.3	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	10.3	0.0	
5	PI2 BPSK	1	1	8.62	8.73	8.73	10.3	0.0	

Reduced Power Mode for DSI4--SGNR NSA

n7_Ant 11									
BW [MHz]	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	PI/2 BPSK	1	1	23.05	23.12	23.05	24.0	0.0	
20	PI/2 BPSK	1	53	22.94	23.10	22.92			
20	PI/2 BPSK	1	104	23.00	23.00	22.91			
20	PI/2 BPSK	50	0	22.48	22.57	22.49	23.5	0.5	
20	PI/2 BPSK	50	28	23.09	23.11	23.06	24.0	0.0	
20	PI/2 BPSK	50	56	22.45	22.56	22.47	23.5	0.5	
20	PI/2 BPSK	100	0	22.41	22.52	22.47			
20	QPSK	1	1	23.00	22.98	23.00			
20	QPSK	1	53	23.03	23.00	22.97	24.0	0.0	
20	QPSK	1	104	22.90	22.88	22.99			
20	QPSK	50	0	22.06	22.02	22.09			
20	QPSK	50	28	23.06	23.06	23.07	24.0	1.0	
20	QPSK	50	56	22.05	22.01	22.03	23.0	1.0	
20	QPSK	100	0	22.02	22.10	22.07			
20	16QAM	1	1	21.61	21.70	21.58	23.0	1.0	
20	64QAM	1	1	20.27	20.41	20.28	21.5	2.5	
20	256QAM	1	1	18.67	18.78	18.66	19.5	4.5	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	22.88	23.01	22.93	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	PI/2 BPSK	1	1	22.96	23.03	22.87	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	22.92	23.01	22.93	24.0	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	20.70	20.75	20.70	22.3	0.0	
20	PI2 BPSK	1	53	20.57	20.65	20.61			
20	PI2 BPSK	1	104	20.60	20.71	20.70			
20	PI2 BPSK	50	0	20.45	20.50	20.49	22.3	0.0	
20	PI2 BPSK	50	28	20.65	20.74	20.67	22.3	0.0	
20	PI2 BPSK	50	56	20.61	20.66	20.59	22.3	0.0	
20	PI2 BPSK	100	0	20.62	20.66	20.60			
20	QPSK	1	1	20.45	20.59	20.47			
20	QPSK	1	53	20.44	20.51	20.38	22.3	0.0	
20	QPSK	1	104	20.54	20.65	20.57			
20	QPSK	50	0	20.42	20.46	20.41			
20	QPSK	50	28	20.37	20.46	20.46	22.3	0.0	
20	QPSK	50	56	20.24	20.28	20.19	22.3	0.0	
20	QPSK	100	0	20.19	20.31	20.28			
20	16QAM	1	1	20.27	20.37	20.25	22.3	0.0	
20	64QAM	1	1	19.16	19.27	19.26	21.3	1.0	
20	256QAM	1	1	17.12	17.15	17.14	19.3	3.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	PI2 BPSK	1	1	20.73	20.74	20.68	22.3	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	PI2 BPSK	1	1	20.71	20.74	20.72	22.3	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	PI2 BPSK	1	1	20.70	20.66	20.73	22.3	0.0	



n5_Ant 41									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.41	23.46	23.43	24.5	0.0	
20	PI2 BPSK	1	53	23.39	23.45	23.42			
20	PI2 BPSK	1	104	23.35	23.38	23.29			
20	PI2 BPSK	50	0	22.96	22.97	22.96	24.0	0.5	
20	PI2 BPSK	50	28	23.32	23.42	23.33	24.5	0.0	
20	PI2 BPSK	50	56	22.75	22.84	22.76	24.0	0.5	
20	PI2 BPSK	100	0	22.96	22.96	22.88			
20	QPSK	1	1	23.36	23.37	23.33			
20	QPSK	1	53	23.38	23.42	23.40	24.5	0.0	
20	QPSK	1	104	23.25	23.26	23.24	23.5	1.0	
20	QPSK	50	0	22.42	22.46	22.39			
20	QPSK	50	28	23.42	23.45	23.37			
20	QPSK	50	56	22.25	22.31	22.24	23.5	1.0	
20	QPSK	100	0	22.39	22.42	22.36			
20	16QAM	1	1	22.05	22.15	22.10	23.5	1.0	
20	64QAM	1	1	20.77	20.81	20.71	22.0	2.5	
20	256QAM	1	1	19.15	19.25	19.24	20.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	23.26	23.41	23.26	24.5	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	23.35	22.91	23.31	24.5	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	23.35	23.11	23.32	24.5	0.0	

Reduced Power Mode for DS15--5GNR NSA

n7_Ant 11									
BW [MHz]	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	18.66	18.68	19.5	0.0	
20	PI2 BPSK	1	53	18.57	18.63	18.50			
20	PI2 BPSK	1	104	18.63	18.63	18.52			
20	PI2 BPSK	50	0	18.55	18.54	18.48	19.5	0.0	
20	PI2 BPSK	50	28	18.58	18.64	18.65	19.5	0.0	
20	PI2 BPSK	50	56	18.55	18.57	18.45	19.5	0.0	
20	PI2 BPSK	100	0	18.52	18.54	18.47			
20	QPSK	1	1	18.50	18.58	18.53			
20	QPSK	1	53	18.48	18.57	18.50	19.5	0.0	
20	QPSK	1	104	18.49	18.58	18.48	19.5	0.0	
20	QPSK	50	0	18.56	18.63	18.50			
20	QPSK	50	28	18.56	18.57	18.48			
20	QPSK	50	56	18.52	18.54	18.48	19.5	0.0	
20	QPSK	100	0	18.52	18.63	18.45			
20	16QAM	1	1	18.56	18.59	18.52	19.5	0.0	
20	64QAM	1	1	18.48	18.63	18.46	19.5	0.0	
20	256QAM	1	1	18.50	18.59	18.45	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	18.52	18.54	18.52	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	18.50	18.57	18.51	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	18.51	18.56	18.54	19.5	0.0	

n7_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	15.26	15.35	15.30	16.8	0.0	
20	PI2 BPSK	1	53	15.22	15.33	15.29			
20	PI2 BPSK	1	104	15.23	15.32	15.22			
20	PI2 BPSK	50	0	15.17	15.26	15.27	16.8	0.0	
20	PI2 BPSK	50	28	15.25	15.30	15.28	16.8	0.0	
20	PI2 BPSK	50	56	15.21	15.29	15.27	16.8	0.0	
20	PI2 BPSK	100	0	15.23	15.26	15.25			
20	QPSK	1	1	15.23	15.23	15.22			
20	QPSK	1	53	15.18	15.22	15.19	16.8	0.0	
20	QPSK	1	104	15.19	15.28	15.23	16.8	0.0	
20	QPSK	50	0	15.15	15.26	15.24			
20	QPSK	50	28	15.20	15.26	15.25			
20	QPSK	50	56	15.24	15.21	15.27	16.8	0.0	
20	QPSK	100	0	15.18	15.28	15.23			
20	16QAM	1	1	15.18	15.28	15.25	16.8	0.0	
20	64QAM	1	1	15.16	15.24	15.18	16.8	0.0	
20	256QAM	1	1	15.24	15.27	15.24	16.8	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	15.15	15.20	15.23	16.8	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	15.23	15.23	15.19	16.8	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	15.23	15.25	15.23	16.8	0.0	



n5_Ant 41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	21.24	21.25	21.21	22.0	0.0	
20	PI2 BPSK	1	53	21.08	21.15	21.04			
20	PI2 BPSK	1	104	20.98	21.02	21.05			
20	PI2 BPSK	50	0	21.08	21.11	21.05	22.0	0.0	
20	PI2 BPSK	50	28	21.26	21.24	21.13	22.0	0.0	
20	PI2 BPSK	50	58	21.10	21.13	21.04	22.0	0.0	
20	PI2 BPSK	100	0	21.15	21.16	21.08			
20	QPSK	1	1	21.01	21.07	21.02			
20	QPSK	1	53	21.04	21.14	21.11	22.0	0.0	
20	QPSK	1	104	21.03	21.08	21.07	22.0	0.0	
20	QPSK	50	0	21.09	21.08	21.01			
20	QPSK	50	28	21.07	21.13	21.06			
20	QPSK	50	58	21.13	21.14	21.03	22.0	0.0	
20	QPSK	100	0	21.03	21.09	21.08			
20	16QAM	1	1	20.74	20.87	20.79	22.0	0.0	
20	64QAM	1	1	20.77	20.89	20.78	22.0	0.0	
20	256QAM	1	1	19.33	19.47	19.32	20.0	2.0	
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	21.05	21.13	21.02	22.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	21.11	21.17	20.99	22.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	21.05	21.11	20.98	22.0	0.0	

Reduced Power Mode for DSI8/10--5G NR NSA

n7_Ant 11									
BW (MHz)	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	15.62	15.85	15.78	16.5	0.0	
20	PI2 BPSK	1	53	15.52	15.63	15.60			
20	PI2 BPSK	1	104	15.60	15.71	15.62			
20	PI2 BPSK	50	0	15.61	15.64	15.61	16.5	0.0	
20	PI2 BPSK	50	28	15.68	15.78	15.72	16.5	0.0	
20	PI2 BPSK	50	58	15.60	15.73	15.55	16.5	0.0	
20	PI2 BPSK	100	0	15.72	15.76	15.63			
20	QPSK	1	1	15.62	15.63	15.55			
20	QPSK	1	53	15.66	15.58	15.70	16.5	0.0	
20	QPSK	1	104	15.56	15.49	15.57	16.5	0.0	
20	QPSK	50	0	15.66	15.67	15.62			
20	QPSK	50	28	15.57	15.57	15.64			
20	QPSK	50	58	15.62	15.64	15.65	16.5	0.0	
20	QPSK	100	0	15.64	15.69	15.58			
20	16QAM	1	1	15.34	15.42	15.41	16.5	0.0	
20	64QAM	1	1	15.46	15.47	15.43	16.5	0.0	
20	256QAM	1	1	15.62	15.75	15.70	16.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	15.71	15.62	15.72	16.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	15.71	15.61	15.72	16.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	15.73	15.57	15.79	16.5	0.0	

n7_Ant 13									
BW (MHz)	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	12.18	12.27	12.23	13.8	0.0	
20	PI2 BPSK	1	53	12.10	12.23	12.19			
20	PI2 BPSK	1	104	12.17	12.19	12.17			
20	PI2 BPSK	50	0	12.03	12.18	12.13	13.8	0.0	
20	PI2 BPSK	50	28	12.09	12.23	12.15	13.8	0.0	
20	PI2 BPSK	50	58	12.06	12.22	12.08	13.8	0.0	
20	PI2 BPSK	100	0	12.05	12.18	12.07			
20	QPSK	1	1	12.08	12.15	12.13			
20	QPSK	1	53	12.05	12.20	12.08	13.8	0.0	
20	QPSK	1	104	12.00	12.19	12.11	13.8	0.0	
20	QPSK	50	0	12.00	12.18	12.14			
20	QPSK	50	28	12.00	12.19	12.12			
20	QPSK	50	58	12.05	12.18	12.07	13.8	0.0	
20	QPSK	100	0	12.06	12.16	12.06			
20	16QAM	1	1	12.08	12.21	12.12	13.8	0.0	
20	64QAM	1	1	12.03	12.16	12.08	13.8	0.0	
20	256QAM	1	1	12.06	12.15	12.07	13.8	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	12.01	12.20	12.11	13.8	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	12.03	12.18	12.10	13.8	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	12.04	12.18	12.14	13.8	0.0	

Reduced Power Mode for DSI9-5GNR NSA

n7_Ant 11									
BW (MHz)	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	16.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PV2 BPSK	1	1	15.62	15.85	15.75	16.5	0.0	
20	PV2 BPSK	1	53	15.52	15.63	15.60			
20	PV2 BPSK	1	104	15.60	15.71	15.62			
20	PV2 BPSK	50	0	15.61	15.64	15.61	16.5	0.0	
20	PV2 BPSK	50	28	15.68	15.78	15.72			
20	PV2 BPSK	50	56	15.60	15.73	15.55			
20	PV2 BPSK	100	0	15.72	15.76	15.63	16.5	0.0	
20	QPSK	1	1	15.62	15.63	15.55			
20	QPSK	1	53	15.66	15.58	15.70			
20	QPSK	1	104	15.56	15.49	15.57	16.5	0.0	
20	QPSK	50	0	15.66	15.67	15.62			
20	QPSK	50	28	15.57	15.57	15.64			
20	QPSK	50	56	15.62	15.64	15.65	16.5	0.0	
20	QPSK	100	0	15.64	15.69	15.58			
20	16QAM	1	1	15.34	15.42	15.41		0.0	
20	64QAM	1	1	15.46	15.47	15.43			
20	256QAM	1	1	15.62	15.75	15.70	16.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PV2 BPSK	1	1	15.71	15.62	15.72	16.5	0.0	
Channel				501000	507000	513000	16.5	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PV2 BPSK	1	1	15.71	15.61	15.72	16.5	0.0	
Channel				500500	507000	513500	16.5	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PV2 BPSK	1	1	15.73	15.57	15.79	16.5	0.0	



WiFi&Bluetooth Power

2.4GHz WLAN Ant 22					Default Power		Rec on Standalone&Simultaneous		Rec off Standalone		Rec off Simultaneous		Hotspot on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	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	Full	18.91	20.00	12.86	14.00	18.91	20.00	17.84	19.00	17.84	19.00	99.41
		6	2437	Full	18.64	20.00	12.67	14.00	18.64	20.00	17.80	19.00	17.80	19.00	
		11	2462	Full	18.54	20.00	12.63	14.00	18.54	20.00	17.75	19.00	17.75	19.00	
	802.11g 6Mbps	1	2412	Full	14.80	16.00	Not Required	14.00	14.80	16.00	14.80	16.00	14.80	16.00	97.20
		6	2437	Full	17.39	19.00		14.00	17.39	19.00	17.39	19.00	17.39	19.00	
		11	2462	Full	15.60	17.00		14.00	15.60	17.00	15.60	17.00	15.60	17.00	
	802.11n-HT20 MCS0	1	2412	Full	14.74	16.00		14.00	14.74	16.00	14.74	16.00	14.74	16.00	96.30
		6	2437	Full	16.45	18.00		14.00	16.45	18.00	16.45	18.00	16.45	18.00	
		11	2462	Full	15.53	17.00		14.00	15.53	17.00	15.53	17.00	15.53	17.00	
	802.11n-HT40 MCS0	3	2422	Full	15.40	17.00		14.00	15.40	17.00	15.40	17.00	15.40	17.00	93.31
		6	2437	Full	15.50	17.00		14.00	15.50	17.00	15.50	17.00	15.50	17.00	
		9	2452	Full	14.10	15.50		14.00	14.10	15.50	14.10	15.50	14.10	15.50	
	802.11ac-HE20 MCS0	1	2412	Full	15.01	16.00		14.00	15.01	16.00	15.01	16.00	15.01	16.00	95.28
				26/0	13.09	15.00		14.00	13.09	15.00	13.09	15.00	13.09	15.00	
				25/37	16.06	18.00		14.00	16.06	18.00	16.06	18.00	16.06	18.00	
				106/53	14.26	16.00		14.00	14.26	16.00	14.26	16.00	14.26	16.00	
		6	2437	Full	16.58	18.00		14.00	16.58	18.00	16.58	18.00	16.58	18.00	
				Full	14.77	16.00		14.00	14.77	16.00	14.77	16.00	14.77	16.00	
		11	2462	26/8	13.39	15.00		14.00	13.39	15.00	13.39	15.00	13.39	15.00	
				52/40	16.31	18.00		14.00	16.31	18.00	16.31	18.00	16.31	18.00	
				106/54	14.28	16.00		14.00	14.28	16.00	14.28	16.00	14.28	16.00	
	802.11ac-HE40 MCS0	3	2422	Full	16.40	18.00		14.00	16.40	18.00	16.40	18.00	16.40	18.00	92.48
				242/61	16.30	18.00		14.00	16.30	18.00	16.30	18.00	16.30	18.00	
		6	2437	Full	16.60	18.00		14.00	16.60	18.00	16.60	18.00	16.60	18.00	
				Full	16.80	18.00		14.00	16.80	18.00	16.80	18.00	16.80	18.00	
		9	2452	242/62	16.60	18.00		14.00	16.60	18.00	16.60	18.00	16.60	18.00	

5.2GHz WLAN Ant 22					Default Power		Rec on Standalone&Simultaneous		Rec off Standalone		Rec off Simultaneous		Hotspot on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	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	Full	14.43	16.00	Not Required	12.00	14.43	16.00	Not Required	16.00	Not Required	16.00	97.20
		40	5200	Full	17.58	19.00		12.00	17.58	19.00		17.00		17.00	
		44	5220	Full	17.40	19.00		12.00	17.40	19.00		17.00		17.00	
		48	5240	Full	17.62	19.00		12.00	17.62	19.00		17.00		17.00	
	802.11n-HT20 MCS0	36	5180	Full	14.96	16.00		12.00	14.96	16.00		16.00	Not Required	16.00	96.30
		40	5200	Full	17.84	19.00		12.00	17.84	19.00		17.00		17.00	
		44	5220	Full	17.98	19.00		12.00	17.98	19.00		17.00		17.00	
		48	5240	Full	17.89	19.00		12.00	17.89	19.00		17.00		17.00	
	802.11n-HT40 MCS0	38	5190	Full	10.94	12.00		12.00	10.94	12.00	10.94	12.00	10.94	12.00	92.75
		46	5230	Full	16.96	18.00		12.00	16.96	18.00		17.00	15.86	15.86	
	802.11ac-VHT20 MCS0	36	5180	Full	14.44	16.00		12.00	14.44	16.00	Not Required	16.00	Not Required	16.00	97.04
		40	5200	Full	15.83	17.50		12.00	15.83	17.50		17.00		17.00	
		44	5220	Full	15.94	17.50		12.00	15.94	17.50		17.00		17.00	
		48	5240	Full	16.07	17.50		12.00	16.07	17.50		17.00		17.00	
	802.11ac-VHT40 MCS0	38	5190	Full	10.92	12.00		12.00	10.92	12.00		12.00	Not Required	12.00	92.86
		46	5230	Full	16.48	17.50		12.00	16.48	17.50		17.00		17.00	
	802.11ac-VHT80 MCS0	42	5210	Full	10.41	11.50	10.41	11.50	10.41	11.50		11.50	Not Required	11.50	88.89
				Full	15.12	16.50		12.00	15.12	16.50		16.50		16.50	
				26/0	10.25	12.00		12.00	10.25	12.00		12.00		12.00	
				52/37	13.26	15.00		12.00	13.26	15.00		15.00		15.00	
		36	5180	106/53	15.98	17.50		12.00	15.98	17.50		17.00	Not Required	17.00	95.28
				Full	16.24	17.50		12.00	16.24	17.50		17.00		17.00	
				Full	16.32	17.50		12.00	16.32	17.50		17.00		17.00	
				Full	16.27	17.50		12.00	16.27	17.50		17.00		17.00	
		48	5240	26/8	10.65	12.00		12.00	10.65	12.00		12.00	Not Required	12.00	91.38
				52/40	13.78	15.00		12.00	13.78	15.00		15.00		15.00	
				106/54	16.04	17.50		12.00	16.04	17.50		17.00		17.00	
				Full	13.47	14.50		12.00	13.47	14.50		14.50		14.50	
	802.11ac-HE40 MCS0	38	5190	242/61	15.15	16.50		12.00	15.15	16.50		16.50	Not Required	16.50	91.38
				Full	16.49	17.50		12.00	16.49	17.50		17.00		17.00	
		46	5230	242/62	16.36	17.50		12.00	16.36	17.50		17.00		17.00	
				Full	12.80	14.00		10.86	12.80	14.00		14.00	Not Required	14.00	87.88
	802.11ac-HE80 MCS0	42	5210	484/65	13.29	14.50		10.74	12.00	13.29		14.50		14.50	
				484/66	13.48	14.50		10.82	12.00	13.48		14.50		14.50	

5.3GHz WLAN Ant 22					Default Power		Rec on Standalone&Simultaneous		Rec off Standalone		Rec off Simultaneous		Duty Cycle %			
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	17.86	19.00	Not Required	12.00	17.86	19.00	Not Required	17.00	97.20			
		56	5280	Full	17.82	19.00		12.00	17.82	19.00		17.00				
		60	5300	Full	17.92	19.00		12.00	17.92	19.00		17.00				
		64	5320	Full	15.99	17.00		12.00	15.99	17.00		17.00				
	802.11n-HT20 MCS0	52	5260	Full	17.36	19.00		12.00	17.36	19.00		17.00	96.30			
		56	5280	Full	17.38	19.00		12.00	17.38	19.00		17.00				
		60	5300	Full	17.42	19.00		12.00	17.42	19.00		17.00				
		64	5320	Full	15.62	17.00		12.00	15.62	17.00		17.00				
	802.11n-HT40 MCS0	54	5270	Full	16.83	18.00		12.00	16.83	18.00		15.78	17.00	92.75		
		62	5310	Full	12.98	14.00		12.00	12.98	14.00		12.98	14.00			
	802.11ac-VHT20 MCS0	52	5260	Full	15.97	17.50		12.00	15.97	17.50		17.00	97.04			
		56	5280	Full	16.07	17.50		12.00	16.07	17.50		17.00				
		60	5300	Full	16.14	17.50		12.00	16.14	17.50		17.00				
		64	5320	Full	15.59	17.00		12.00	15.59	17.00		17.00				
	802.11ac-VHT40 MCS0	54	5270	Full	16.37	17.50		12.00	16.37	17.50		17.00	92.86			
	62	5310	Full	12.95	14.00	12.00		12.95	14.00	14.00						
	802.11ac-VHT80 MCS0	58	5290	Full	11.47	12.50		10.34	12.00	11.47		12.50	12.50	88.89		
	802.11ax-HE20 MCS0	52	5260	Full	16.15	17.50		12.00	16.15	17.50		17.00	Not Required	17.00	95.28	
				26/0	10.36	12.00		12.00	10.36	12.00		12.00				
				52/37	13.49	15.00		12.00	13.49	15.00		15.00				
				106/53	16.16	17.50		12.00	16.16	17.50		17.00				
		56	5280	Full	16.22	17.50		12.00	16.22	17.50		17.00				
				60	5300	Full		16.28	17.50	12.00		16.28		17.50		17.00
						Full		16.39	17.50	12.00		16.39		17.50		17.00
						26/8		10.72	12.00	12.00		10.72		12.00		12.00
		64	5320	52/40	13.80	15.00		Not Required	12.00	13.80		15.00		15.00		
				106/54	16.13	17.50		12.00	16.13	17.50		17.00				
				Full	16.47	17.50		12.00	16.47	17.50		17.00				
242/61				16.22	17.50	12.00	16.22	17.50	17.00							
802.11ax-HE40 MCS0	54	5270	Full	13.97	15.00	12.00	13.97	15.00	15.00	91.38						
			242/62	16.31	17.50	12.00	16.31	17.50	17.00							
			Full	12.43	13.00	12.00	12.43	13.00	13.00							
			484/65	13.98	15.00	12.00	13.98	15.00	15.00							
802.11ax-HE80 MCS0	58	5290	484/66	13.03	14.00	12.00	13.03	14.00	14.00	87.88						



	5.5GHz WLAN Ant 22				Default Power		Rec on Standalone&Simultaneous		Rec off Standalone		Rec off Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	15.48	16.50	Not Required	12.00	15.48	16.50	Not Required	16.50	97.20
		116	5580	Full	17.78	19.00		12.00	17.78	19.00		16.50	
		124	5620	Full	17.64	19.00		12.00	17.64	19.00		16.50	
		132	5660	Full	17.62	19.00		12.00	17.62	19.00		16.50	
		140	5700	Full	13.44	14.50		12.00	13.44	14.50		14.50	
		144	5720	Full	17.69	19.00		12.00	17.69	19.00		16.50	
	802.11n-HT20 MCS0	100	5500	Full	15.12	16.50		12.00	15.12	16.50		16.50	96.30
		116	5580	Full	17.20	19.00		12.00	17.20	19.00		16.50	
		124	5620	Full	17.13	19.00		12.00	17.13	19.00		16.50	
		132	5660	Full	17.16	19.00		12.00	17.16	19.00		16.50	
		140	5700	Full	12.99	14.50		12.00	12.99	14.50		14.50	
		144	5720	Full	17.14	19.00		12.00	17.14	19.00		16.50	
	802.11n-HT40 MCS0	102	5510	Full	12.47	13.50		12.00	12.47	13.50		13.50	92.75
		110	5550	Full	16.96	18.00		12.00	16.96	18.00		16.50	
		126	5630	Full	16.88	18.00		12.00	16.88	18.00		16.50	
		134	5670	Full	14.73	16.00		12.00	14.73	16.00		16.00	
	802.11ac-VHT20 MCS0	142	5710	Full	16.57	18.00		12.00	16.57	18.00		16.50	97.04
		100	5500	Full	15.10	16.50		12.00	15.10	16.50		16.50	
		116	5580	Full	15.82	17.50		12.00	15.82	17.50		16.50	
		124	5620	Full	15.77	17.50		12.00	15.77	17.50		16.50	
		132	5660	Full	15.74	17.50		12.00	15.74	17.50		16.50	
		140	5700	Full	12.96	14.50		12.00	12.96	14.50		14.50	
	802.11ac-VHT40 MCS0	144	5720	Full	15.79	17.50		12.00	15.79	17.50		16.50	92.86
		102	5510	Full	12.44	13.50		12.00	12.44	13.50		13.50	
		110	5550	Full	16.48	17.50		12.00	16.48	17.50		16.50	
		126	5630	Full	16.41	17.50		12.00	16.41	17.50		16.50	
		134	5670	Full	14.70	16.00		12.00	14.70	16.00		16.00	
		142	5710	Full	16.15	17.50		12.00	16.15	17.50		16.50	
	802.11ac-VHT80 MCS0	106	5530	Full	11.45	12.50	10.94	12.00	11.45	12.50	11.45	12.50	88.89
		122	5610	Full	16.06	17.00	10.98	12.00	16.06	17.00	15.08	16.50	
		138	5690	Full	16.01	17.00	10.73	12.00	16.01	17.00	15.14	16.50	
				Full	13.35	14.50	12.00	13.35	14.50	14.50			
	802.11ax-HE20 MCS0	100	5500		26/0	10.30	12.00	12.00	10.30	12.00	12.00	12.00	95.28
					25/37	13.60	15.00	12.00	13.60	15.00	15.00		
					106/53	13.92	15.00	12.00	13.92	15.00	15.00		
								12.00			16.50		
		116	5580	Full	16.12	17.50	12.00	16.12	17.50	16.50			
		124	5620	Full	16.02	17.50	12.00	16.02	17.50	16.50			
		132	5660	Full	16.08	17.50	12.00	16.08	17.50	16.50			
		140	5700		Full	11.68	13.00	12.00	11.68	13.00	13.00		
					26/8	10.14	12.00	12.00	10.14	12.00	12.00		
					52/40	13.44	15.00	12.00	13.44	15.00	15.00		
					106/54	13.75	15.00	12.00	13.75	15.00	15.00		
								12.00			16.50		
					Full	16.08	17.50	12.00	16.08	17.50	16.50		
		144	5720		26/8	12.33	14.00	12.00	12.33	14.00	14.00		
					52/40	15.80	17.50	12.00	15.80	17.50	16.50		
					106/54	16.10	17.50	12.00	16.10	17.50	16.50		
								12.00			16.50		
					Full	11.95	13.00	12.00	11.95	13.00	13.00		
					242/61	13.41	14.50	12.00	13.41	14.50	14.50		
	802.11ax-HE40 MCS0	110	5550	Full	16.46	17.50	12.00	16.46	17.50	16.50	91.38		
		126	5630	Full	16.33	17.50	12.00	16.33	17.50	16.50			
		134	5670		Full	15.45	16.50	12.00	15.45	16.50		16.50	
					242/62	11.81	13.00	12.00	11.81	13.00		13.00	
					Full	16.48	17.50	12.00	16.48	17.50		16.50	
					242/62	16.25	17.50	12.00	16.25	17.50		16.50	
	802.11ax-HE80 MCS0	142	5710	Full	11.81	13.00	12.00	11.81	13.00	13.00	87.88		
		106	5530	484/65	12.13	13.00	12.00	12.13	13.00	13.00			
		122	5610		Full	16.30	17.00	12.00	16.30	17.00		16.50	
					484/66	16.30	17.50	12.00	16.30	17.50		16.50	
					Full	16.25	17.00	12.00	16.25	17.00		16.50	
					484/66	16.24	17.50	12.00	16.24	17.50		16.50	

	5.8GHz WLAN Ant 22				Default Power		Rec on Standalone&Simultaneous		Rec off Standalone		Rec off Simultaneous		Hotspot on		Duty Cycle %	
	Mode	Channel	Frequency (MHz)	RU Config	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		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	17.73	19.00	Not Required	12.00	17.73	19.00	Not Required	17.00	Not Required	17.00	97.20	
		157	5785	Full	17.83	19.00		12.00	17.83	19.00		17.00		17.00		
		165	5825	Full	17.79	19.00		12.00	17.79	19.00		17.00		17.00		
	802.11n-HT20 MCS0	149	5745	Full	17.26	19.00		12.00	17.26	19.00		17.00		17.00	96.30	
		157	5785	Full	17.26	19.00		12.00	17.26	19.00		17.00		17.00		
		165	5825	Full	17.23	19.00		12.00	17.23	19.00		17.00		17.00		
	802.11n-HT40 MCS0	151	5755	Full	16.68	18.00		12.00	16.68	18.00		17.00		17.00	92.75	
		159	5795	Full	16.74	18.00		12.00	16.74	18.00		17.00		17.00		
	802.11ac-VHT20 MCS0	149	5745	Full	15.80	17.50		12.00	15.80	17.50		17.00		17.00	97.04	
		157	5785	Full	15.82	17.50		12.00	15.82	17.50		17.00	17.00			
		165	5825	Full	15.81	17.50		12.00	15.81	17.50		17.00	17.00			
	802.11ac-VHT40 MCS0	151	5755	Full	16.24	17.50		12.00	16.24	17.50		17.00	17.00	92.86		
		159	5795	Full	16.22	17.50		12.00	16.22	17.50		17.00	17.00			
	5.8GHz WLAN	802.11ac-VHT80 MCS0	155	5775	Full	16.00	17.50	10.62	12.00	16.00	17.50	15.58	17.00	15.58	17.00	88.89
		802.11ax-HE20 MCS0	149	5745	Full	15.08	16.50	Not Required	12.00	15.08	16.50	Not Required	16.50	Not Required	16.50	95.28
					26/0	14.52	16.50		12.00	14.52	16.50		16.50		16.50	
					52/37	14.87	16.50		12.00	14.87	16.50		16.50		16.50	
					106/53	15.11	16.50		12.00	15.11	16.50		16.50		16.50	
			157	5785	Full	15.16	16.50		12.00	15.16	16.50		16.50		16.50	
		Full	15.21		16.50	12.00	15.21		16.50	16.50	16.50					
		26/8	14.74		16.50	12.00	14.74		16.50	16.50	16.50					
		52/40	14.97		16.50	12.00	14.97		16.50	16.50	16.50					
802.11ax-HE40 MCS0		151	5755	106/54	15.19	16.50	12.00		15.19	16.50	16.50		16.50			
				Full	15.44	16.50	12.00		15.44	16.50	16.50		16.50			
				242/61	15.32	16.50	12.00		15.32	16.50	16.50		16.50			
802.11ax-HE60 MCS0		159	5795	Full	15.47	16.50	12.00		15.47	16.50	16.50		16.50			
				242/62	15.38	16.50	12.00		15.38	16.50	16.50		16.50			
				Full	15.30	16.50	12.00	15.30	16.50	16.50	16.50					
802.11ax-HE80 MCS0		155	5775	484/65	15.25	16.50	12.00	15.25	16.50	16.50	16.50					
				484/66	15.33	16.50	12.00	15.33	16.50	16.50	16.50					



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.63	10.71	10.78	7.46	7.53	7.61	7.44	7.52	7.61	12.50
	CH 39	2441	11.18	11.26	11.35	8.14	8.27	8.35	8.18	8.24	8.33	
	CH 78	2480	10.39	10.45	10.52	7.07	7.14	7.22	6.93	6.99	7.06	

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	10.63	10.69
	CH 19	2440	11.26	11.38
	CH 39	2480	10.07	10.20
Tune-up Limit			12.5	12.5