



DS12&4&6

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM 1 Tx slot	32.03	32.25	32.42	33.50	23.03	23.25	23.42	24.50
GPRS 1 Tx slots	32.16	32.15	32.30	33.50	23.16	23.15	23.30	24.50
GPRS 2 Tx slots	30.99	30.69	30.52	32.50	24.99	24.69	24.52	26.50
GPRS 3 Tx slots	28.77	28.69	29.83	30.50	25.51	25.43	26.57	28.24
GPRS 4 Tx slots	27.52	27.02	27.43	28.50	24.52	24.02	24.43	25.50
EDGE 1 Tx slot	25.69	25.65	25.53	27.00	16.69	16.65	16.53	18.00
EDGE 2 Tx slots	24.77	24.61	24.80	25.50	18.77	18.61	18.60	19.50
EDGE 3 Tx slots	22.99	23.07	22.83	24.00	16.73	16.81	16.57	19.14
EDGE 4 Tx slots	21.64	21.72	21.28	22.50	18.64	18.72	18.28	19.50

DS12&4&6

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM 1 Tx slot	28.90	28.77	28.52	30.50	19.90	19.77	19.52	21.50
GPRS 1 Tx slots	26.89	26.70	26.55	30.50	19.80	19.70	19.55	21.50
GPRS 2 Tx slots	28.61	28.44	28.36	29.50	22.61	22.44	22.36	23.50
GPRS 3 Tx slots	26.67	26.52	26.60	28.00	22.41	22.26	22.34	23.74
GPRS 4 Tx slots	24.72	24.61	24.70	26.00	21.72	21.61	21.70	23.00
EDGE 1 Tx slot	24.75	24.72	24.54	26.00	15.75	15.72	15.54	17.00
EDGE 2 Tx slots	23.58	23.48	23.51	24.50	17.58	17.48	17.51	18.50
EDGE 3 Tx slots	21.89	21.70	21.89	23.00	17.63	17.44	17.63	18.74
EDGE 4 Tx slots	20.53	20.74	20.66	21.50	17.53	17.74	17.66	18.50

DS12&4

Band TX Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
3GPP Rel 99	22.94	22.89	22.81	24.00	23.05	23.12	23.09	24.00	23.02	23.04	22.98	24.00
3GPP Rel 6	22.23	22.83	22.83	24.00	23.10	23.14	23.10	24.00	23.04	23.06	23.00	24.00
3GPP Rel 6	22.16	21.82	21.99	23.00	21.92	22.03	21.93	23.00	21.96	21.81	21.77	23.00
3GPP Rel 6	22.21	21.92	21.95	23.00	21.97	22.13	21.97	23.00	21.93	21.58	21.69	23.00
3GPP Rel 6	21.68	21.41	21.43	22.50	21.53	21.63	21.47	22.50	21.42	21.32	20.88	22.50
3GPP Rel 6	21.74	21.50	21.35	22.50	21.48	21.57	21.51	22.50	21.41	21.00	21.26	22.50
3GPP Rel 6	22.15	21.89	21.88	23.00	21.87	22.07	21.93	23.00	21.88	21.82	21.76	23.00
3GPP Rel 6	22.25	21.87	21.94	23.00	21.93	22.03	21.93	23.00	21.90	21.51	21.77	23.00
3GPP Rel 6	21.70	21.41	21.46	22.50	21.44	21.58	21.37	22.50	21.39	21.29	20.87	22.50
3GPP Rel 6	21.66	21.34	21.15	22.50	21.39	21.57	21.42	22.50	21.43	20.98	21.16	22.50
3GPP Rel 6	22.26	21.95	22.00	23.00	21.97	22.04	21.92	23.00	21.89	21.87	21.79	23.00
3GPP Rel 6	20.26	19.92	19.99	21.00	19.91	20.08	19.97	21.00	19.88	19.69	19.73	21.00
3GPP Rel 6	21.24	20.93	21.04	22.00	20.97	21.01	20.97	22.00	20.85	20.76	20.68	22.00
3GPP Rel 6	20.27	20.03	19.90	21.00	20.00	20.12	19.95	21.00	19.87	19.75	19.68	21.00
3GPP Rel 6	22.21	21.92	22.00	23.00	21.96	22.02	22.50	23.00	21.97	21.65	21.70	23.00

DS12&4&6

Band TX Channel Frequency (MHz)	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	361	777		25	600	1175		476	580	654	
RC1 S055	24.03	24.15	24.12	25.00	23.87	23.97	24.02	25.00	23.82	23.88	23.89	25.00
RC3 S055	24.06	24.16	24.14	25.00	23.99	24.00	23.97	25.00	23.79	23.87	23.87	25.00
RC3 S030 (F-SCH)	24.05	24.14	24.14	25.00	23.98	24.00	24.00	25.00	23.80	23.87	23.86	25.00
RC3 S024 (F-SCH)	24.05	24.12	24.14	25.00	24.00	24.01	23.99	25.00	23.80	23.86	23.87	25.00
RTAP 15x.8Kbps	24.12	24.17	24.10	25.00	24.06	24.15	24.13	25.00	23.92	23.97	23.95	25.00
RETAP 4096BHz	24.11	24.13	24.08	25.00	24.07	24.14	24.11	25.00	23.90	23.95	23.92	25.00



Band 2_Ant 1 DSI 28486&385														
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)							1870	1890	1910					
20	QPSK	1	0	22.95	22.72	22.67	24	0						
20	QPSK	1	49	22.82	22.61	22.62	20	0						
20	QPSK	1	99	22.70	22.58	22.62	20	0						
20	QPSK	50	0	22.07	21.79	21.75	23	1						
20	QPSK	50	24	22.06	21.78	21.86	23	1						
20	QPSK	50	50	21.91	21.77	21.86	23	1						
20	QPSK	100	0	21.97	21.76	21.76	23	1						
20	16QAM	1	0	22.30	22.07	22.03	23	1						
20	16QAM	1	49	22.16	21.97	21.98	23	1						
20	16QAM	1	99	22.06	21.92	21.96	22	2						
20	16QAM	50	0	21.08	20.80	20.77	22	2						
20	16QAM	50	24	21.05	20.81	20.79	22	2						
20	16QAM	50	50	20.94	20.76	20.87	22	2						
20	16QAM	100	0	20.95	20.78	20.77	22	2						
20	64QAM	1	0	21.19	20.99	20.90	22	2						
20	64QAM	1	49	21.05	20.86	20.87	22	2						
20	64QAM	1	99	20.91	20.84	20.88	21	3						
20	64QAM	50	0	20.11	19.80	19.78	21	3						
20	64QAM	50	24	20.09	19.82	19.82	21	3						
20	64QAM	50	50	19.97	19.80	19.87	21	3						
20	64QAM	100	0	19.99	19.81	19.79	21	3						
Channel														
Frequency (MHz)							1875	1890	1925					
15	QPSK	1	0	22.95	22.73	22.65	24	0						
15	QPSK	1	37	22.79	22.56	22.52	23	1						
15	QPSK	1	74	22.63	22.36	22.39	23	1						
15	QPSK	36	0	21.07	21.75	21.76	23	1						
15	QPSK	36	20	21.98	21.76	21.73	23	1						
15	QPSK	36	39	21.85	21.74	21.71	23	1						
15	QPSK	75	0	21.96	21.70	21.83	23	1						
15	16QAM	1	0	22.23	22.06	22.01	23	1						
15	16QAM	1	37	22.09	21.95	21.92	22	2						
15	16QAM	1	74	22.06	21.86	21.94	22	2						
15	16QAM	36	0	21.03	20.72	20.73	22	2						
15	16QAM	36	20	20.99	20.73	20.76	22	2						
15	16QAM	36	39	20.91	20.69	20.81	22	2						
15	16QAM	75	0	20.86	20.73	20.73	22	2						
15	64QAM	1	0	21.13	20.95	20.85	22	2						
15	64QAM	1	37	21.02	20.77	20.80	21	3						
15	64QAM	1	74	20.96	20.83	20.84	21	3						
15	64QAM	36	0	20.11	19.71	19.74	21	3						
15	64QAM	36	20	20.04	19.75	19.74	21	3						
15	64QAM	36	39	19.94	19.79	19.81	21	3						
15	64QAM	75	0	19.95	19.74	19.78	21	3						
Channel														
Frequency (MHz)							1855	1880	1905					
10	QPSK	1	0	22.89	22.72	22.62	24	0						
10	QPSK	1	25	22.77	22.56	22.51	23	1						
10	QPSK	1	49	22.61	22.48	22.52	23	1						
10	QPSK	25	0	22.03	21.69	21.75	23	1						
10	QPSK	25	12	21.97	21.71	21.78	23	1						
10	QPSK	25	25	21.83	21.72	21.78	23	1						
10	QPSK	50	0	21.97	21.68	21.76	23	1						
10	16QAM	1	0	22.22	21.97	21.95	23	1						
10	16QAM	1	25	22.06	21.90	21.93	23	1						
10	16QAM	1	49	21.97	21.91	21.94	22	2						
10	16QAM	25	0	21.01	20.79	20.68	22	2						
10	16QAM	25	12	21.00	20.76	20.77	22	2						
10	16QAM	25	25	20.87	20.73	20.79	22	2						
10	16QAM	50	0	20.93	20.68	20.73	22	2						
10	64QAM	1	0	21.15	20.98	20.84	22	2						
10	64QAM	1	25	21.05	20.83	20.81	22	2						
10	64QAM	1	49	20.86	20.81	20.82	21	3						
10	64QAM	25	0	20.08	19.78	19.76	21	3						
10	64QAM	25	12	20.01	19.81	19.79	21	3						
10	64QAM	25	25	19.87	19.73	19.79	21	3						
10	64QAM	50	0	19.98	19.75	19.77	21	3						
Channel														
Frequency (MHz)							1825	1890	1915					
5	QPSK	1	0	22.86	22.67	22.63	24	0						
5	QPSK	1	12	22.72	22.59	22.61	23	1						
5	QPSK	1	24	22.56	22.48	22.50	23	1						
5	QPSK	12	0	22.07	21.73	21.65	23	1						
5	QPSK	12	7	21.97	21.76	21.74	23	1						
5	QPSK	12	13	21.82	21.71	21.76	23	1						
5	QPSK	25	0	21.94	21.70	21.70	23	1						
5	16QAM	1	0	22.21	22.07	22.01	23	1						
5	16QAM	1	12	22.08	21.97	21.92	22	2						
5	16QAM	1	24	22.01	21.88	21.91	22	2						
5	16QAM	12	0	20.99	20.72	20.72	22	2						
5	16QAM	12	7	20.99	20.80	20.71	22	2						
5	16QAM	12	13	20.86	20.71	20.81	22	2						
5	16QAM	25	0	20.91	20.77	20.72	22	2						
5	64QAM	1	0	21.11	20.96	20.81	22	2						
5	64QAM	1	12	20.98	20.80	20.86	21	3						
5	64QAM	1	24	20.84	20.83	20.83	21	3						
5	64QAM	12	0	20.05	19.79	19.75	21	3						
5	64QAM	12	7	20.02	19.74	19.81	21	3						
5	64QAM	12	13	19.91	19.74	19.84	21	3						
5	64QAM	25	0	19.97	19.75	19.69	21	3						
Channel														
Frequency (MHz)							1851.5	1880	1908.5					
3	QPSK	1	0	22.89	22.76	22.64	24	0						
3	QPSK	1	8	22.81	22.58	22.55	23	1						
3	QPSK	1	14	22.67	22.57	22.61	23	1						
3	QPSK	8	0	22.06	21.75	21.71	23	1						
3	QPSK	8	4	21.99	21.74	21.73	23	1						
3	QPSK	8	7	21.82	21.76	21.84	23	1						
3	QPSK	15	0	21.88	21.71	21.75	23	1						
3	16QAM	1	0	22.26	21.97	21.99	23	1						
3	16QAM	1	8	22.09	21.93	21.93	23	1						
3	16QAM	1	14	22.01	21.87	21.87	22	2						
3	16QAM	8	0	21.05	20.77	20.69	22	2						
3	16QAM	8	4	21.04	20.76	20.74	22	2						
3	16QAM	8	7	20.89	20.74	20.80	22	2						
3	16QAM	15	0	20.93	20.73	20.70	22	2						
3	64QAM	1	0	21.14	20.96	20.80	22	2						
3	64QAM	1	8	20.95	20.84	20.84	22	2						
3	64QAM	1	14	20.86	20.79	20.83	21	3						
3	64QAM	8	0	20.05	19.79	19.74	21	3						
3	64QAM	8	4	20.01	19.80	19.82	21	3						
3	64QAM	8	7	19.95	19.80	19.82	21	3						
3	64QAM	15	0	19.97	19.71	19.72	21	3						
Channel														
Frequency (MHz)							1807	1890	1913					
1.4	QPSK	1	0	22.95	22.72	22.57	24	0						
1.4	QPSK	1	3	22.79	22.54	22.57	23	1						
1.4	QPSK	1	5	22.80	22.49	22.56	23	1						
1.4	QPSK	3	0	22.79	22.83	22.79	23	1						
1.4	QPSK	3	1	22.85	22.85	22.89	23	1						
1.4	QPSK	3	3	22.85	22.88	22.81	23	1						
1.4	QPSK	6	0	21.87	21.78	21.74	23	1						
1.4	16QAM	1	0	22.30	22.05	22.03	23	1						
1.4	16QAM	1	3	22.12	21.81	21.83	23	1						
1.4	16QAM	1	5	22.05	21.89	21.96	23	1						
1.4	16QAM	3	0	22.20	22.22	22.26	23	1						
1.4	16QAM	3	1	22.20	22.21	22.18	22	2						
1.4	16QAM	3	3	22.19	22.17	22.20	22	2						
1.4	16QAM	6	0	20.87	20.76	20.70	22	2						
1.4	64QAM	1	0	21.10	20.96	2								



Band 4_Ant 2 DSI 28486

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz) with various modulation schemes like QPSK, 16QAM, 64QAM.

Band 5_Ant 1 DSI 28486&3&5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz) with various modulation schemes like QPSK, 16QAM, 64QAM.

Band 5_Ant 2 DSI 284&6&3&5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz) with various modulation schemes like QPSK, 16QAM, 64QAM.



Band 7_Ant 1 DSI 2&4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different frequencies and power levels.

Band 7_Ant 2 DSI 2&4&6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different frequencies and power levels.

Band 12_Ant 1 DSI 2&4&6&3&5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different frequencies and power levels.



Band 12_Ant 2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.81	22.08	21.93				
10	QPSK	1	25	21.83	21.89	21.89		23	0	
10	QPSK	1	49	21.93	21.92	21.85				
10	QPSK	25	0	20.98	21.16	20.98				
10	QPSK	25	12	21.04	21.01	21.00				
10	QPSK	25	25	21.03	21.06	21.05		22	1	
10	QPSK	50	0	21.04	21.01	20.99				
10	16QAM	1	0	21.17	21.20	21.21				
10	16QAM	1	25	21.22	21.26	21.22		22	1	
10	16QAM	1	49	21.30	19.67	21.23				
10	16QAM	25	0	19.96	20.01	20.01				
10	16QAM	25	12	20.07	20.00	20.02				
10	16QAM	25	25	20.01	20.05	19.96				
10	16QAM	50	0	20.08	20.00	19.99		21	2	
10	64QAM	1	0	19.98	20.04	20.02				
10	64QAM	1	25	20.13	20.18	20.16		21	2	
10	64QAM	1	49	20.24	20.24	20.18				
10	64QAM	25	0	18.91	19.02	19.03				
10	64QAM	25	12	19.11	19.07	19.05				
10	64QAM	25	25	19.08	19.10	19.09		20	3	
10	64QAM	50	0	19.08	19.07	19.04				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.74	21.96	21.78				
5	QPSK	1	12	21.81	21.87	21.89		23	0	
5	QPSK	1	24	21.84	21.88	21.75				
5	QPSK	12	0	20.95	20.89	20.88				
5	QPSK	12	7	21.02	21.01	20.94		22	1	
5	QPSK	12	13	20.96	21.04	20.99				
5	QPSK	25	0	20.99	20.92	20.93				
5	16QAM	1	0	21.15	21.18	21.14				
5	16QAM	1	12	21.15	21.20	21.15		22	1	
5	16QAM	1	24	21.22	19.98	21.22				
5	16QAM	12	0	19.96	19.93	19.98				
5	16QAM	12	7	20.04	19.93	19.95		21	2	
5	16QAM	12	13	20.00	19.95	19.97				
5	16QAM	25	0	20.03	19.98	19.98				
5	64QAM	1	0	19.93	20.04	19.92				
5	64QAM	1	12	20.08	20.08	20.12		21	2	
5	64QAM	1	24	20.14	20.16	20.17				
5	64QAM	12	0	18.81	18.94	18.96				
5	64QAM	12	7	19.03	19.00	19.03		20	3	
5	64QAM	12	13	19.00	19.09	18.99				
5	64QAM	25	0	18.98	19.05	18.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.74	21.94	21.80				
3	QPSK	1	8	21.81	21.83	21.84		23	0	
3	QPSK	1	14	21.92	21.87	21.84				
3	QPSK	8	0	20.95	20.91	20.89				
3	QPSK	8	4	20.94	20.97	20.96		22	1	
3	QPSK	8	7	21.03	20.99	20.96				
3	QPSK	15	0	20.98	20.95	20.99				
3	16QAM	1	0	21.15	21.20	21.20				
3	16QAM	1	8	21.14	21.22	21.18		22	1	
3	16QAM	1	14	21.27	19.84	21.20				
3	16QAM	8	0	19.95	19.94	19.91				
3	16QAM	8	4	19.99	19.90	20.02		21	2	
3	16QAM	8	7	20.00	20.02	19.92				
3	16QAM	15	0	20.06	19.98	19.89				
3	64QAM	1	0	19.92	19.99	19.95				
3	64QAM	1	8	20.08	20.10	20.13		21	2	
3	64QAM	1	14	20.23	20.22	20.09				
3	64QAM	8	0	18.84	18.94	19.03				
3	64QAM	8	4	19.06	19.04	19.00		20	3	
3	64QAM	8	7	19.05	19.02	19.06				
3	64QAM	15	0	19.00	19.04	18.99				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.77	21.87	21.77				
1.4	QPSK	1	3	21.78	21.82	21.79		23	0	
1.4	QPSK	1	5	21.93	21.90	21.75				
1.4	QPSK	3	0	21.77	21.87	21.72				
1.4	QPSK	3	1	21.75	21.79	21.74				
1.4	QPSK	3	3	21.85	21.81	21.67				
1.4	QPSK	6	0	21.94	21.01	20.98		22	1	
1.4	16QAM	1	0	21.17	21.16	21.14				
1.4	16QAM	1	3	21.12	21.26	21.14				
1.4	16QAM	1	5	21.30	19.97	21.29		22	1	
1.4	16QAM	3	0	20.95	21.00	20.88				
1.4	16QAM	3	1	21.07	21.13	21.08				
1.4	16QAM	3	3	21.06	21.16	21.09				
1.4	16QAM	6	0	20.08	19.95	19.95		21	2	
1.4	64QAM	1	0	19.96	20.00	20.00				
1.4	64QAM	1	3	20.13	20.08	20.18				
1.4	64QAM	1	5	20.14	20.24	20.10				
1.4	64QAM	3	0	20.00	19.92	19.85		21	2	
1.4	64QAM	3	1	19.96	19.94	19.90				
1.4	64QAM	3	3	20.13	20.01	20.07				
1.4	64QAM	6	0	19.03	19.00	18.98		20	3	

Band 13_Ant 1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.43						
10	QPSK	1	25	22.41				24	0	
10	QPSK	1	49	22.40						
10	QPSK	25	0	21.52						
10	QPSK	25	12	21.48						
10	QPSK	25	25	21.46				23	1	
10	QPSK	50	0	21.68						
10	16QAM	1	0	21.93						
10	16QAM	1	25	21.85				23	1	
10	16QAM	1	49	21.80						
10	16QAM	25	0	20.61						
10	16QAM	25	12	20.69						
10	16QAM	25	25	20.61				22	2	
10	16QAM	50	0	20.62						
10	64QAM	1	0	20.79						
10	64QAM	1	25	20.78				22	2	
10	64QAM	1	49	20.69						
10	64QAM	25	0	19.63						
10	64QAM	25	12	19.71						
10	64QAM	25	25	19.64				21	3	
10	64QAM	50	0	19.61						
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.46	22.51	22.52				
5	QPSK	1	12	22.40	22.41	22.38		24	0	
5	QPSK	1	24	22.43	22.46	22.46				
5	QPSK	12	0	21.59	21.55	21.60				
5	QPSK	12	7	21.64	21.68	21.66		23	1	
5	QPSK	12	13	21.54	21.61	21.62				
5	QPSK	25	0	21.64	21.64	21.57				
5	16QAM	1	0	21.83	21.92	21.88				
5	16QAM	1	12	21.78	21.75	21.84		23	1	
5	16QAM	1	24	21.75	21.77	21.78				
5	16QAM	12	0	20.55	20.54	20.52				
5	16QAM	12	7	20.60	20.67	20.60		22	2	
5	16QAM	12	13	20.53	20.61	20.61				
5	16QAM	25	0	20.52	20.61	20.52				
5	64QAM	1	0	20.77	20.74	20.79				
5	64QAM	1	12	20.77	20.70	20.70		22	2	
5	64QAM	1	24	20.61	20.65	20.59				
5	64QAM	12	0	19.55	19.57	19.57				
5	64QAM	12	7	19.61	19.64	19.63		21	3	
5	64QAM	12	13	19.62	19.57	19.54				
5	64QAM	25	0	19.57	19.60	19.51				

Band 13_Ant 2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		



Band 14_Ant 1 DSI 2&4&6&3&5

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.44	795	23356	24	0
10	QPSK	1	25	22.38	795	23356		
10	QPSK	1	49	22.33	795	23356	23	1
10	QPSK	25	0	21.42	795	23356		
10	QPSK	25	12	21.38	795	23356	23	1
10	QPSK	25	25	21.40	795	23356		
10	QPSK	50	0	21.42	795	23356	23	1
10	16QAM	1	0	21.80	795	23356		
10	16QAM	1	25	21.77	795	23356	22	2
10	16QAM	1	49	21.73	795	23356		
10	16QAM	25	0	20.41	795	23356	22	2
10	16QAM	25	12	20.44	795	23356		
10	16QAM	25	25	20.47	795	23356	22	2
10	16QAM	50	0	20.44	795	23356		
10	64QAM	1	0	20.67	795	23356	22	2
10	64QAM	1	25	20.71	795	23356		
10	64QAM	1	49	20.61	795	23356	21	3
10	64QAM	25	0	19.46	795	23356		
10	64QAM	25	12	19.48	795	23356	21	3
10	64QAM	25	25	19.51	795	23356		
10	64QAM	50	0	19.48	795	23356	21	3
10	64QAM	50	0	19.48	795	23356		
Channel								
Frequency (MHz)								
5			0	22.40	22.39	22.42	24	0
5	QPSK	1	12	22.33	22.38	22.28		
5	QPSK	1	24	22.27	22.27	22.26	23	1
5	QPSK	12	0	21.35	21.38	21.35		
5	QPSK	12	7	21.38	21.38	21.37	23	1
5	QPSK	12	13	21.40	21.44	21.40		
5	QPSK	25	0	21.37	21.40	21.35	23	1
5	16QAM	1	0	21.75	21.80	21.73		
5	16QAM	1	12	21.74	21.77	21.75	22	2
5	16QAM	1	24	21.67	21.68	21.64		
5	16QAM	12	0	20.32	20.35	20.35	22	2
5	16QAM	12	7	20.44	20.42	20.38		
5	16QAM	12	13	20.44	20.37	20.39	22	2
5	16QAM	25	0	20.44	20.38	20.36		
5	64QAM	1	0	20.57	20.63	20.58	22	2
5	64QAM	1	12	20.66	20.64	20.60		
5	64QAM	1	24	20.57	20.61	20.60	21	3
5	64QAM	12	0	19.42	19.42	19.43		
5	64QAM	12	7	19.40	19.38	19.46	21	3
5	64QAM	12	13	19.42	19.46	19.44		
5	64QAM	25	0	19.40	19.48	19.47	21	3
5	64QAM	25	0	19.40	19.48	19.47		

Band 14_Ant 2 DSI 2&4&6&5

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.25	793	23350	23	0
10	QPSK	1	25	21.18	793	23350		
10	QPSK	1	49	21.14	793	23350	22	1
10	QPSK	25	0	20.25	793	23350		
10	QPSK	25	12	20.23	793	23350	22	1
10	QPSK	25	25	20.20	793	23350		
10	QPSK	50	0	20.23	793	23350	22	1
10	16QAM	1	0	20.62	793	23350		
10	16QAM	1	25	20.59	793	23350	21	2
10	16QAM	1	49	20.52	793	23350		
10	16QAM	25	0	19.25	793	23350	21	2
10	16QAM	25	12	19.23	793	23350		
10	16QAM	25	25	19.28	793	23350	21	2
10	16QAM	50	0	19.25	793	23350		
10	64QAM	1	0	19.49	793	23350	21	2
10	64QAM	1	25	19.52	793	23350		
10	64QAM	1	49	19.43	793	23350	20	3
10	64QAM	25	0	18.28	793	23350		
10	64QAM	25	12	18.30	793	23350	20	3
10	64QAM	25	25	18.32	793	23350		
10	64QAM	50	0	18.27	793	23350	20	3
10	64QAM	50	0	18.27	793	23350		
Channel								
Frequency (MHz)								
5			0	21.24	21.17	21.15	23	0
5	QPSK	1	12	21.11	21.14	21.18		
5	QPSK	1	24	21.07	21.09	21.09	22	1
5	QPSK	12	0	20.22	20.24	20.23		
5	QPSK	12	7	20.18	20.20	20.22	22	1
5	QPSK	12	13	20.28	20.29	20.25		
5	QPSK	25	0	20.15	20.19	20.16	22	1
5	16QAM	1	0	20.56	20.58	20.55		
5	16QAM	1	12	20.59	20.55	20.50	21	2
5	16QAM	1	24	20.42	20.51	20.44		
5	16QAM	12	0	19.25	19.24	19.15	21	2
5	16QAM	12	7	19.23	19.21	19.18		
5	16QAM	12	13	19.27	19.18	19.27	21	2
5	16QAM	25	0	19.17	19.18	19.18		
5	64QAM	1	0	19.44	19.40	19.41	21	2
5	64QAM	1	12	19.48	19.50	19.46		
5	64QAM	1	24	19.40	19.43	19.40	20	3
5	64QAM	12	0	18.20	18.18	18.25		
5	64QAM	12	7	18.29	18.30	18.30	20	3
5	64QAM	12	13	18.27	18.28	18.24		
5	64QAM	25	0	18.18	18.18	18.27	20	3
5	64QAM	25	0	18.18	18.18	18.27		

Band 17_Ant 1 DSI 2&4&6&3&5

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.77	22.82	22.57	24	0
10	QPSK	1	25	22.82	22.83	22.66		
10	QPSK	1	49	22.72	22.72	22.69	23	1
10	QPSK	25	0	21.67	21.69	21.69		
10	QPSK	25	12	21.85	21.75	21.76	23	1
10	QPSK	25	25	21.88	21.87	21.87		
10	QPSK	50	0	21.81	21.74	21.76	23	1
10	16QAM	1	0	21.92	21.97	21.96		
10	16QAM	1	25	22.00	22.04	22.05	22	2
10	16QAM	1	49	22.11	22.12	22.07		
10	16QAM	25	0	20.69	20.69	20.71	22	2
10	16QAM	25	12	20.83	20.76	20.79		
10	16QAM	25	25	20.87	20.81	20.82	22	2
10	16QAM	50	0	20.83	20.73	20.75		
10	64QAM	1	0	20.82	20.86	20.80	22	2
10	64QAM	1	25	20.96	20.99	20.92		
10	64QAM	1	49	21.03	20.99	20.94	21	3
10	64QAM	25	0	19.72	19.74	19.73		
10	64QAM	25	12	19.38	19.33	19.81	21	3
10	64QAM	25	25	19.32	19.90	19.90		
10	64QAM	50	0	19.87	19.77	19.80	21	3
10	64QAM	50	0	19.87	19.77	19.80		
Channel								
Frequency (MHz)								
5			0	22.75	22.72	22.53	24	0
5	QPSK	1	12	22.62	22.59	22.56		
5	QPSK	1	24	22.84	22.88	22.85	23	1
5	QPSK	12	0	21.67	21.69	21.63		
5	QPSK	12	7	21.76	21.65	21.67	23	1
5	QPSK	12	13	21.79	21.84	21.85		
5	QPSK	25	0	21.80	21.67	21.71	23	1
5	16QAM	1	0	21.84	21.91	21.87		
5	16QAM	1	12	21.92	21.95	22.03	22	2
5	16QAM	1	24	22.09	22.07	21.97		
5	16QAM	12	0	20.59	20.59	20.69	22	2
5	16QAM	12	7	20.74	20.68	20.72		
5	16QAM	12	13	20.80	20.81	20.72	22	2
5	16QAM	25	0	20.74	20.63	20.70		
5	64QAM	1	0	20.80	20.77	20.76	22	2
5	64QAM	1	12	20.94	20.98	20.90		
5	64QAM	1	24	20.93	20.94	20.94	21	3
5	64QAM	12	0	19.68	19.73	19.72		
5	64QAM	12	7	19.81	19.79	19.72	21	3
5	64QAM	12	13	19.86	19.85	19.85		
5	64QAM	25	0	19.81	19.74	19.73	21	3
5	64QAM	25	0	19.81	19.74	19.73		



Band 17_Ant 2 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 1 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 2 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 1 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 1 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 2 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 1 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 1 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 25_Ant 2 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit, MPR. Includes sub-tables for Channel, Frequency (MHz), and Channel.



Band 26_Ant 1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	22.52	22.65	22.77				
15	QPSK	1	37	22.45	22.44	22.26	24	0		
15	QPSK	1	74	22.27	22.48	22.14				
15	QPSK	36	0	21.62	21.76	21.62				
15	QPSK	36	20	21.69	21.63	21.77	23	1		
15	QPSK	36	39	21.74	21.51	21.72				
15	QPSK	75	0	21.78	21.71	21.72				
15	16QAM	1	0	21.26	21.35	21.19				
15	16QAM	1	37	21.23	21.28	21.11	23	1		
15	16QAM	1	74	21.22	21.12	21.04				
15	16QAM	36	0	20.35	20.32	20.27				
15	16QAM	36	20	20.40	20.24	20.26	22	2		
15	16QAM	36	39	20.55	20.39	20.29				
15	16QAM	75	0	20.52	20.25	20.19				
15	64QAM	1	0	20.28	20.21	20.18				
15	64QAM	1	37	20.27	20.24	20.22	22	2		
15	64QAM	1	74	20.16	20.25	20.22				
15	64QAM	36	0	19.71	19.62	19.81				
15	64QAM	36	20	19.62	19.70	19.69				
15	64QAM	36	39	19.68	19.50	19.56	21	3		
15	64QAM	75	0	19.20	19.31	19.31				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	22.49	22.41	22.28				
10	QPSK	1	25	22.38	22.40	22.29	24	0		
10	QPSK	1	49	22.24	22.47	22.05				
10	QPSK	25	0	21.56	21.74	21.61				
10	QPSK	25	12	21.69	21.83	21.73				
10	QPSK	25	25	21.86	21.58	21.70	23	1		
10	QPSK	50	0	21.68	21.62	21.62				
10	16QAM	1	0	21.24	21.33	21.18				
10	16QAM	1	25	21.15	21.18	21.03	23	1		
10	16QAM	1	49	21.19	21.09	21.07				
10	16QAM	25	0	20.35	20.29	20.20				
10	16QAM	25	12	20.32	20.22	20.23	22	2		
10	16QAM	25	25	20.47	20.31	20.22				
10	16QAM	50	0	20.51	20.22	20.13				
10	64QAM	1	0	20.19	20.16	20.12				
10	64QAM	1	25	20.21	20.20	20.12	22	2		
10	64QAM	1	49	20.08	20.16	20.14				
10	64QAM	25	0	19.64	19.52	19.77				
10	64QAM	25	12	19.52	19.63	19.61	21	3		
10	64QAM	25	25	19.67	19.40	19.52				
10	64QAM	50	0	19.20	19.29	19.26				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	22.43	22.46	22.23	24	0		
5	QPSK	1	12	22.41	22.36	22.25				
5	QPSK	1	24	22.19	22.40	22.13				
5	QPSK	12	0	21.62	21.76	21.58				
5	QPSK	12	7	21.60	21.60	21.73	23	1		
5	QPSK	12	13	21.73	21.56	21.64				
5	QPSK	25	0	21.69	21.70	21.68				
5	16QAM	1	0	21.24	21.32	21.15				
5	16QAM	1	12	21.15	21.20	21.06	23	1		
5	16QAM	1	24	21.21	21.02	21.04				
5	16QAM	12	0	20.25	20.27	20.25				
5	16QAM	12	7	20.36	20.23	20.25	22	2		
5	16QAM	12	13	20.45	20.39	20.24				
5	16QAM	25	0	20.48	20.25	20.10				
5	64QAM	1	0	20.28	20.16	20.16				
5	64QAM	1	12	20.17	20.24	20.19	22	2		
5	64QAM	1	24	20.15	20.22	20.16				
5	64QAM	12	0	19.69	19.61	19.78				
5	64QAM	12	7	19.55	19.69	19.65	21	3		
5	64QAM	12	13	19.68	19.40	19.46				
5	64QAM	25	0	19.10	19.28	19.22				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	22.50	22.49	22.30				
3	QPSK	1	8	22.44	22.39	22.19	24	0		
3	QPSK	1	14	22.23	22.40	22.10				
3	QPSK	8	0	21.62	21.74	21.53				
3	QPSK	8	4	21.62	21.57	21.72	23	1		
3	QPSK	8	7	21.72	21.51	21.72				
3	QPSK	15	0	21.76	21.64	21.66				
3	16QAM	1	0	21.16	21.29	21.19				
3	16QAM	1	8	21.18	21.28	21.02	23	1		
3	16QAM	1	14	21.13	21.07	21.06				
3	16QAM	8	0	20.35	20.29	20.20				
3	16QAM	8	4	20.34	20.20	20.20	22	2		
3	16QAM	8	7	20.54	20.38	20.27				
3	16QAM	15	0	20.46	20.19	20.14				
3	64QAM	1	0	20.21	20.21	20.12	22	2		
3	64QAM	1	8	20.21	20.23	20.12				
3	64QAM	1	14	20.06	20.24	20.16				
3	64QAM	8	0	19.68	19.59	19.78				
3	64QAM	8	4	19.52	19.62	19.67	21	3		
3	64QAM	8	7	19.59	19.40	19.54				
3	64QAM	15	0	19.11	19.21	19.23				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	22.50	22.45	22.22				
1.4	QPSK	1	3	22.43	22.43	22.18	24	0		
1.4	QPSK	1	5	22.17	22.44	22.11				
1.4	QPSK	3	0	22.47	22.43	22.21				
1.4	QPSK	3	1	22.39	22.36	22.20				
1.4	QPSK	3	3	22.17	22.46	22.14				
1.4	QPSK	6	0	21.74	21.70	21.67	23	1		
1.4	16QAM	1	0	21.18	21.25	21.15				
1.4	16QAM	1	3	21.15	21.22	21.04				
1.4	16QAM	1	5	21.17	21.07	21.08	23	1		
1.4	16QAM	3	0	21.18	21.35	21.10				
1.4	16QAM	3	1	21.17	21.19	21.04				
1.4	16QAM	3	3	21.18	21.11	21.08				
1.4	16QAM	6	0	20.42	20.22	20.16	22	2		
1.4	64QAM	1	0	20.18	20.14	20.17				
1.4	64QAM	1	3	20.25	20.24	20.16				
1.4	64QAM	1	5	20.08	20.17	20.17				
1.4	64QAM	3	0	20.22	20.11	20.16	22	2		
1.4	64QAM	3	1	20.25	20.18	20.20				
1.4	64QAM	3	3	20.16	20.20	20.20				
1.4	64QAM	6	0	19.13	19.27	19.28	21	3		

Band 26_Ant 2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.74	21.71	21.77				
15	QPSK	1	37	21.65	21.65	21.77	23	0		
15	QPSK	1	74	21.79	21.70	21.69				
15	QPSK	36	0	20.77	20.82	20.90				
15	QPSK	36	20	20.81	20.76	20.97	22	1		
15	QPSK	36	39	20.87	20.81	20.92				
15	QPSK	75	0	20.84	20.85	20.87				
15	16QAM	1	0	21.09	20.98	21.13				
15	16QAM	1	37	21.00	21.07	21.08	22	1		
15	16QAM	1	74	21.08	21.06	21.00				
15	16QAM	36	0	19.81	19.85	19.90				
15	16QAM	36	20	19.84	19.85	19.95	21	2		
15	16QAM	36	39	19.87	19.92	19.88				
15	16QAM	75	0	19.86	19.87	19.91				
15	64QAM	1	0	19.94	19.84	19.99				
15	64QAM	1	37	19.95	20.04	20.04	21	2		
15	64QAM	1	74	20.01	20.00	19.88				
15	64QAM	36	0	18.83	18.86	18.95				
15	64QAM	36	20	18.86	18.86	18.97				
15	64QAM	36	39	18.93	18.95	18.98	20	3		
15	64QAM	75	0	18.85	18.86	18.92				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	21.69	21.61	21.74				
10	QPSK	1	25	21.59	21.73	21.68	23	0		
10	QPSK	1	49	21.76	21.72	21.61				
10	QPSK	25	0	20.71	20.81	20.84				
10	QPSK	25	12	20.74	20.78	20.95				
10	QPSK	25	25	20.77	20.84	20.92	22	1		
10	QPSK	50	0	20.74	20.80	20.85				
10	16QAM	1	0	21.08	20.90	21.12				
10	16QAM	1	25	20.97	20.97	21.07	22	1		
10	16QAM	1	49							



Band 30_Ant 1 DSI 2&4&6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.85	23.10	23.10	24	0		
10	QPSK	1	25	22.62	22.62	22.62				
10	QPSK	1	49	22.56	22.56	22.56				
10	QPSK	25	0	21.66	21.66	21.66				
10	QPSK	25	12	21.60	21.60	21.60	23	1		
10	QPSK	25	25	21.55	21.55	21.55				
10	QPSK	50	0	21.78	21.78	21.78				
10	16QAM	1	0	21.94	21.94	21.94				
10	16QAM	1	25	22.01	22.01	22.01	23	1		
10	16QAM	1	49	22.05	22.05	22.05				
10	16QAM	25	0	20.67	20.67	20.67				
10	16QAM	25	12	20.72	20.72	20.72				
10	16QAM	25	25	20.82	20.82	20.82	22	2		
10	16QAM	50	0	20.78	20.78	20.78				
10	64QAM	1	0	20.85	20.85	20.85				
10	64QAM	1	25	20.97	20.97	20.97				
10	64QAM	1	49	20.94	20.94	20.94	22	2		
10	64QAM	25	0	19.70	19.70	19.70				
10	64QAM	25	12	19.80	19.80	19.80				
10	64QAM	25	25	19.87	19.87	19.87				
10	64QAM	50	0	19.84	19.84	19.84	21	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.47	22.49	22.53			24	0
5	QPSK	1	12	22.62	22.62	22.54				
5	QPSK	1	24	22.55	22.58	22.62				
5	QPSK	12	0	21.60	21.65	21.60				
5	QPSK	12	7	21.61	21.62	21.71	23	1		
5	QPSK	12	13	21.74	21.74	21.83				
5	QPSK	25	0	21.78	21.76	21.68				
5	16QAM	1	0	21.85	21.92	21.89				
5	16QAM	1	12	21.91	22.00	22.00	23	1		
5	16QAM	1	24	21.95	22.00	22.03				
5	16QAM	12	0	20.58	20.58	20.58				
5	16QAM	12	7	20.65	20.62	20.72				
5	16QAM	12	13	20.81	20.80	20.72	22	2		
5	16QAM	25	0	20.74	20.70	20.69				
5	64QAM	1	0	20.85	20.80	20.76				
5	64QAM	1	12	20.91	20.92	20.90				
5	64QAM	1	24	20.84	20.87	20.85	22	2		
5	64QAM	12	0	19.63	19.63	19.68				
5	64QAM	12	7	19.79	19.78	19.77				
5	64QAM	12	13	19.79	19.82	19.81				
5	64QAM	25	0	19.80	19.74	19.78	21	3		

Band 30_Ant 2 DSI 2&4&6&8&3&5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.10	23.10	23.10	22	0		
10	QPSK	1	25	20.33	20.33	20.33				
10	QPSK	1	49	20.38	20.38	20.38				
10	QPSK	25	0	19.36	19.36	19.36				
10	QPSK	25	12	19.32	19.32	19.32	21	1		
10	QPSK	25	25	19.34	19.34	19.34				
10	QPSK	50	0	19.51	19.51	19.51				
10	16QAM	1	0	19.73	19.73	19.73				
10	16QAM	1	25	19.74	19.74	19.74	21	1		
10	16QAM	1	49	19.76	19.76	19.76				
10	16QAM	25	0	18.38	18.38	18.38				
10	16QAM	25	12	18.44	18.44	18.44				
10	16QAM	25	25	18.53	18.53	18.53	20	2		
10	16QAM	50	0	18.51	18.51	18.51				
10	64QAM	1	0	18.55	18.55	18.55				
10	64QAM	1	25	18.66	18.66	18.66				
10	64QAM	1	49	18.66	18.66	18.66	20	2		
10	64QAM	25	0	17.44	17.44	17.44				
10	64QAM	25	12	17.51	17.51	17.51				
10	64QAM	25	25	17.62	17.62	17.62				
10	64QAM	50	0	17.58	17.58	17.58	19	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.43	20.35	20.39			22	0
5	QPSK	1	12	20.24	20.23	20.29				
5	QPSK	1	24	20.30	20.32	20.36				
5	QPSK	12	0	19.34	19.36	19.29				
5	QPSK	12	7	19.40	19.35	19.36	21	1		
5	QPSK	12	13	19.50	19.48	19.46				
5	QPSK	25	0	19.49	19.42	19.45				
5	16QAM	1	0	19.65	19.69	19.68				
5	16QAM	1	12	19.73	19.64	19.65	21	1		
5	16QAM	1	24	19.76	19.68	19.69				
5	16QAM	12	0	18.37	18.36	18.35				
5	16QAM	12	7	18.42	18.35	18.44				
5	16QAM	12	13	18.47	18.45	18.49	20	2		
5	16QAM	25	0	18.45	18.50	18.50				
5	64QAM	1	0	18.54	18.55	18.50				
5	64QAM	1	12	18.56	18.66	18.57				
5	64QAM	1	24	18.66	18.66	18.56	20	2		
5	64QAM	12	0	17.35	17.44	17.37				
5	64QAM	12	7	17.46	17.41	17.41				
5	64QAM	12	13	17.61	17.55	17.58				
5	64QAM	25	0	17.58	17.51	17.48	19	3		

Band 66Ant 1 DSI 2&4&8&6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.99	22.99	22.99	24	0		
20	QPSK	1	49	22.78	22.73	22.73				
20	QPSK	1	99	22.72	22.67	22.62				
20	QPSK	50	0	21.99	21.94	21.96				
20	QPSK	50	24	21.93	21.89	21.92	23	1		
20	QPSK	50	50	21.86	21.83	21.81				
20	QPSK	100	0	21.90	21.86	21.81				
20	16QAM	1	0	22.22	22.17	22.22				
20	16QAM	1	49	22.10	22.04	22.02	23	1		
20	16QAM	1	99	22.10	21.99	21.89				
20	16QAM	50	0	20.89	20.86	20.87				
20	16QAM	50	24	20.96	20.92	20.93				
20	16QAM	50	50	20.92	20.92	20.93	22	2		
20	16QAM	100	0	20.88	20.86	20.86				
20	64QAM	1	0	21.06	21.08	21.09				
20	64QAM	1	49	20.99	20.96	20.99				
20	64QAM	1	99	20.97	20.94	20.88	22	2		
20	64QAM	50	0	19.92	19.88	19.90				
20	64QAM	50	24	19.95	19.91	19.83				
20	64QAM	50	50	19.89	19.86	19.86				
20	64QAM	100	0	19.94	19.89	19.86	21	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.85	22.82	22.78			24	0
15	QPSK	1	37	22.69	22.65	22.64				
15	QPSK	1	74	22.62	22.62	22.62				
15	QPSK	36	0	21.89	21.74	21.76				
15	QPSK	36	20	21.85	21.83	21.92	23	1		
15	QPSK	36	39	21.83	21.79	21.74				
15	QPSK	75	0	21.87	21.79	21.72				
15	16QAM	1	0	22.18	22.12	22.14				
15	16QAM	1	37	22.02	21.95	21.94	23	1		
15	16QAM	1	74	22.10	21.91	21.88				
15	16QAM	36	0	20.89	20.82	20.81				
15	16QAM	36	20	20.92	20.86	20.91				
15	16QAM	36	39	20.79	20.75	20.78	22	2		
15	16QAM	75	0	20.83	20.82	20.78				
15	64QAM	1	0	20.98	21.07	21.00				
15	64QAM	1	37	20.94	20.93	20.94				
15	64QAM	1	74	20.90	20.89	20.89	22	2		
15	64QAM	36	0	19.82	19.78	19.81				
15	64QAM	36	20	19.89	19.87	19.85				
15	64QAM	36	39	19.85	19.86	19.81				
15	64QAM	75	0	19.87	19.82	19.85	21	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.84	22.83	22.84			24	0
10	QPSK	1	25	22.75	22.72	22.69				
10	QPSK	1	49	22.64	22.63	22.61				
10	QPSK	25	0	21.89	21.83	21.81				
10	QPSK	25	12	21.83	21.87	21.92	23	1		
10	QPSK	25	25	21.82	21.75	21.76				
10	QPSK	50	0	21.86	21.85	21.79				
10	16QAM	1	0	22.21	22.08	22.17				
10	16QAM	1	25	22.00	22.03	21.92	23	1		
10	16QAM	1	49	22.07	21.97	21.81				
10	16QAM	25	0	20.80	20.84	20.84				
10	16QAM	25	12	20.95	20.82	20.83				
10	16QAM	25	25	20.83	20.80	20.76	22	2		
10	16QAM	50	0	20.78	20.79	20.81				
10	64QAM	1	0	20.96	20.98	21.05				
10	64QAM	1	25	20.94	20.94	20.95				
10	64QAM	1	49	20.87	20.89	20.80	22	2		
10	64QAM	25	0	19.88	19.90	19.83				
10	64QAM	25	12	19.91	19.90	19.85				
10	64QAM	25	25	19.79	19.77	19.76				
10										



Band 66_Ant 2 DSI 284868385										
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	1720	1745	1770				
20	QPSK	1	49	2079	2079	2077			22	0
20	QPSK	1	99	2072	2073	2059				
20	QPSK	50	0	2006	1990	1884				
20	QPSK	50	24	1995	1995	1990			21	1
20	QPSK	50	50	1987	1989	1981				
20	QPSK	100	0	1939	1939	1974				
20	16QAM	1	0	2023	2027	2024			21	1
20	16QAM	1	49	2015	2011	1970				
20	16QAM	1	99	2010	2005	1990				
20	16QAM	50	0	1890	1892	1889				
20	16QAM	50	24	1894	1895	1893			20	2
20	16QAM	50	50	1886	1899	1883				
20	16QAM	100	0	1892	1891	1882				
20	64QAM	1	0	1908	1911	1905			20	2
20	64QAM	1	49	1900	1904	1890				
20	64QAM	1	99	1897	1898	1885				
20	64QAM	50	0	1793	1794	1791				
20	64QAM	50	24	1797	1798	1795				
20	64QAM	50	50	1791	179	1786			19	3
20	64QAM	100	0	1796	1794	1785				
Channel										
Frequency (MHz)										
15	QPSK	1	0	2082	2087	2083			22	0
15	QPSK	1	37	2071	2071	2068				
15	QPSK	1	74	2059	2063	2063				
15	QPSK	36	0	1979	1981	1983				
15	QPSK	36	20	1990	1992	1987			21	1
15	QPSK	36	39	1977	1988	1974				
15	QPSK	75	0	1982	1990	1989				
15	16QAM	1	0	2022	2020	2023			21	1
15	16QAM	1	37	2015	2004	1984				
15	16QAM	1	74	2001	2004	1980				
15	16QAM	36	0	1889	1887	1887				
15	16QAM	36	20	1885	1893	1883			20	2
15	16QAM	36	39	1880	1880	1876				
15	16QAM	75	0	1885	1881	1882				
15	64QAM	1	0	1907	1909	1898			20	2
15	64QAM	1	37	1890	1899	1889				
15	64QAM	1	74	1894	1891	1882				
15	64QAM	36	0	1783	1794	1789				
15	64QAM	36	20	1791	1793	1793			19	3
15	64QAM	36	39	1791	1783	1781				
15	64QAM	75	0	1791	1792	1781				
Channel										
Frequency (MHz)										
10	QPSK	1	0	2090	2082	2078			22	0
10	QPSK	1	25	2078	2073	2072				
10	QPSK	1	49	2066	2063	2059				
10	QPSK	25	0	1985	1980	1980			21	1
10	QPSK	25	12	1986	1985	1983				
10	QPSK	25	25	1986	1979	1979				
10	QPSK	50	0	1987	1991	1985				
10	16QAM	1	0	2021	2024	2023			21	1
10	16QAM	1	25	2012	2003	1985				
10	16QAM	1	49	2003	1999	1984				
10	16QAM	25	0	1881	1889	1881				
10	16QAM	25	12	1888	1888	1888			20	2
10	16QAM	25	25	1885	1888	1882				
10	16QAM	50	0	1885	1887	1876				
10	64QAM	1	0	1908	1904	1904			20	2
10	64QAM	1	25	1899	1894	1845				
10	64QAM	1	49	1890	1898	1875				
10	64QAM	25	0	1785	1790	1786				
10	64QAM	25	12	1787	1782	1789				
10	64QAM	25	25	1789	1785	1784			19	3
10	64QAM	50	0	1794	1788	1776				
Channel										
Frequency (MHz)										
5	QPSK	1	0	2090	2085	2081			22	0
5	QPSK	1	12	2073	2075	2063				
5	QPSK	1	24	2066	2066	2066				
5	QPSK	12	0	1977	1989	1977			21	1
5	QPSK	12	7	1989	1988	1987				
5	QPSK	12	13	1980	1982	1973				
5	QPSK	25	0	1984	1990	1972				
5	16QAM	1	0	2022	2024	2023			21	1
5	16QAM	1	12	2009	2011	1983				
5	16QAM	1	24	2007	1998	1983				
5	16QAM	12	0	1886	1889	1886				
5	16QAM	12	7	1894	1891	1890				
5	16QAM	12	13	1884	1884	1883			20	2
5	16QAM	25	0	1884	1891	1880				
5	64QAM	1	0	1906	1907	1901			20	2
5	64QAM	1	12	1892	1895	1849				
5	64QAM	1	24	1892	1893	1877				
5	64QAM	12	0	1785	1792	1790				
5	64QAM	12	7	1788	1788	1794			19	3
5	64QAM	12	13	1785	1783	1786				
5	64QAM	25	0	1786	1787	1784				
Channel										
Frequency (MHz)										
3	QPSK	1	0	2083	2090	2085			22	0
3	QPSK	1	8	2071	2074	2065				
3	QPSK	1	14	2063	2067	2056				
3	QPSK	8	0	1981	1980	1979			21	1
3	QPSK	8	4	1986	1995	1986				
3	QPSK	8	7	1978	1982	1975				
3	QPSK	15	0	1984	1988	1965				
3	16QAM	1	0	2017	2023	2014			21	1
3	16QAM	1	8	2013	2001	1966				
3	16QAM	1	14	2008	1996	1980				
3	16QAM	8	0	1887	1891	1886				
3	16QAM	8	4	1891	1885	1882			20	2
3	16QAM	8	7	1890	1881	1875				
3	16QAM	15	0	1885	1886	1878				
3	64QAM	1	0	1988	1903	1904			20	2
3	64QAM	1	8	1988	1904	1849				
3	64QAM	1	14	1892	1897	1883				
3	64QAM	8	0	1789	1791	1788				
3	64QAM	8	4	1795	1796	1785			19	3
3	64QAM	8	7	1783	1785	1779				
3	64QAM	15	0	1786	1793	1782				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	2081	2086	2078			22	0
1.4	QPSK	1	3	2079	2070	2068				
1.4	QPSK	1	5	2068	2064	2065				
1.4	QPSK	3	0	2073	2077	2078				
1.4	QPSK	3	1	2079	2060	2059			21	1
1.4	QPSK	3	3	2061	2054	2054				
1.4	QPSK	6	0	1984	1989	1967				
1.4	16QAM	1	0	2021	2023	2018			21	1
1.4	16QAM	1	3	2013	2008	1980				
1.4	16QAM	1	5	2006	2004	1982				
1.4	16QAM	3	0	2016	2022	2015				
1.4	16QAM	3	1	2006	2005	1980				
1.4	16QAM	3	3	2003	2003	1974			20	2
1.4	16QAM	6	0	1891	1881	1877				
1.4	64QAM	1	0	1908	1910	1905				
1.4	64QAM	1	3	1898	1904	1841				
1.4	64QAM	1	5	1896	1890	1875				
1.4	64QAM	3	0	1882	1873	1874				
1.4	64QAM	3	1	1908	191	1902			20	2
1.4	64QAM	3	3	1894	1894	1833				
1.4	64QAM	6	0	1787	1792	1776			19	3

Band 71_Ant 1 DSI 284868385										
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	2292	2285	2288			24	0
20	QPSK	1	49	2279	2281	2286				
20	QPSK	1	99	2285	2283	2291				



Band 38_Ant 1 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	0	22.46	22.43	22.68	24	0	
20	QPSK	1	49	22.47	22.51	22.83			
20	QPSK	1	99	22.46	22.64	22.52			
20	QPSK	50	0	21.23	21.20	21.33	23	1	
20	QPSK	50	24	21.30	21.32	21.41			
20	QPSK	50	50	21.28	21.32	21.54			
20	QPSK	100	0	21.31	21.37	21.42	23	1	
20	16QAM	1	0	21.27	21.40	21.37			
20	16QAM	1	49	21.38	21.32	21.47			
20	16QAM	1	99	21.35	21.47	21.69	22	2	
20	16QAM	50	0	20.26	20.25	20.49			
20	16QAM	50	24	20.33	20.31	20.42			
20	16QAM	50	50	20.27	20.44	20.53	22	2	
20	16QAM	100	0	20.26	20.26	20.47			
20	64QAM	1	0	20.14	20.15	20.18			
20	64QAM	1	49	20.25	20.21	20.37	21	3	
20	64QAM	1	99	20.20	20.36	20.50			
20	64QAM	50	0	19.28	19.25	19.26			
20	64QAM	50	24	19.34	19.34	19.41	22	2	
20	64QAM	50	50	19.31	19.30	19.48			
20	64QAM	100	0	19.23	19.38	19.37			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.41	23.40	23.67	24	0	
15	QPSK	1	37	23.47	23.46	23.63			
15	QPSK	1	74	23.53	23.64	23.45			
15	QPSK	36	0	21.21	21.19	21.27	23	1	
15	QPSK	36	20	21.29	21.27	21.31			
15	QPSK	36	39	21.27	21.29	21.42			
15	QPSK	75	0	21.20	21.23	21.39	23	1	
15	16QAM	1	0	21.22	21.26	21.29			
15	16QAM	1	37	21.33	21.33	21.41			
15	16QAM	1	74	21.31	21.45	21.56	22	2	
15	16QAM	36	0	20.13	20.24	20.37			
15	16QAM	36	20	20.26	20.22	20.45			
15	16QAM	36	39	20.28	20.36	20.55	22	2	
15	16QAM	75	0	20.22	20.31	20.43			
15	64QAM	1	0	20.02	20.04	20.11			
15	64QAM	1	37	20.17	20.25	20.37	21	3	
15	64QAM	1	74	20.20	20.36	20.43			
15	64QAM	36	0	19.09	19.22	19.40			
15	64QAM	36	20	19.25	19.35	19.46	22	2	
15	64QAM	36	39	19.23	19.31	19.50			
15	64QAM	75	0	19.20	19.38	19.41			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.41	23.39	23.61	24	0	
10	QPSK	1	25	23.37	23.42	23.80			
10	QPSK	1	49	23.52	23.55	23.36			
10	QPSK	25	0	21.17	21.18	21.23	23	1	
10	QPSK	25	12	21.25	21.27	21.30			
10	QPSK	25	25	21.19	21.28	21.36			
10	QPSK	50	0	21.19	21.15	21.36	23	1	
10	16QAM	1	0	21.21	21.25	21.19			
10	16QAM	1	25	21.24	21.32	21.38			
10	16QAM	1	49	21.31	21.45	21.53	22	2	
10	16QAM	25	0	20.05	20.24	20.30			
10	16QAM	25	12	20.16	20.17	20.42			
10	16QAM	25	25	20.25	20.29	20.54	22	2	
10	16QAM	50	0	20.13	20.26	20.40			
10	64QAM	1	0	20.07	20.05	20.09			
10	64QAM	1	25	20.13	20.18	20.36	21	3	
10	64QAM	1	49	20.20	20.33	20.34			
10	64QAM	25	0	19.04	19.17	19.40			
10	64QAM	25	12	19.19	19.25	19.45	22	2	
10	64QAM	25	25	19.19	19.28	19.47			
10	64QAM	50	0	19.18	19.34	19.32			
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.40	23.29	23.61	24	0	
5	QPSK	1	12	23.33	23.35	23.56			
5	QPSK	1	24	23.52	23.52	23.33			
5	QPSK	12	0	21.15	21.12	21.13	23	1	
5	QPSK	12	7	21.19	21.19	21.26			
5	QPSK	12	13	21.16	21.27	21.31			
5	QPSK	25	0	21.11	21.07	21.26	23	1	
5	16QAM	1	0	21.17	21.19	21.16			
5	16QAM	1	12	21.14	21.26	21.34			
5	16QAM	1	24	21.30	21.42	21.51	22	2	
5	16QAM	12	0	20.04	20.16	20.21			
5	16QAM	12	7	20.11	20.17	20.37			
5	16QAM	12	13	20.22	20.24	20.49	22	2	
5	16QAM	25	0	20.13	20.18	20.31			
5	64QAM	1	0	20.03	20.05	20.07			
5	64QAM	1	12	20.13	20.09	20.29	21	3	
5	64QAM	1	24	20.12	20.23	20.26			
5	64QAM	12	0	19.04	19.17	19.39			
5	64QAM	12	7	19.13	19.15	19.44	22	2	
5	64QAM	12	13	19.09	19.26	19.46			
5	64QAM	25	0	19.17	19.32	19.23			

Band 38_Ant 2 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2690	2695	2610			
20	QPSK	1	0	20.39	20.29	20.14	22	0	
20	QPSK	1	49	20.31	20.17	19.97			
20	QPSK	1	99	20.31	20.42	20.25			
20	QPSK	50	0	19.41	19.50	19.43	21	1	
20	QPSK	50	24	19.48	19.66	19.54			
20	QPSK	50	50	19.49	19.69	19.81			
20	QPSK	100	0	19.49	19.40	19.53	21	1	
20	16QAM	1	0	19.40	19.58	19.76			
20	16QAM	1	49	19.39	19.45	19.40			
20	16QAM	1	99	19.43	19.44	19.43	20	2	
20	16QAM	50	0	18.45	18.29	18.43			
20	16QAM	50	24	18.54	18.69	18.65			
20	16QAM	50	50	18.52	18.58	18.53	20	2	
20	16QAM	100	0	18.51	18.54	18.67			
20	64QAM	1	0	18.13	18.15	18.05			
20	64QAM	1	49	18.13	17.97	17.94	19	3	
20	64QAM	1	99	18.14	18.07	18.25			
20	64QAM	50	0	17.45	17.58	17.76			
20	64QAM	50	24	17.55	17.70	17.78	20	2	
20	64QAM	50	50	17.53	17.36	17.44			
20	64QAM	100	0	17.53	17.63	17.82			
Channel				37825	38000	38175			
Frequency (MHz)				2677.5	2695	2612.5			
15	QPSK	1	0	20.35	20.20	20.14	22	0	
15	QPSK	1	37	20.23	20.12	19.91			
15	QPSK	1	74	20.23	20.41	20.23			
15	QPSK	36	0	19.35	19.49	19.37	21	1	
15	QPSK	36	20	19.39	19.56	19.44			
15	QPSK	36	39	19.41	19.67	19.78			
15	QPSK	75	0	19.41	19.33	19.49	21	1	
15	16QAM	1	0	19.38	19.51	19.72			
15	16QAM	1	37	19.35	19.42	19.38			
15	16QAM	1	74	19.37	19.37	19.34	20	2	
15	16QAM	36	0	18.39	18.19	18.40			
15	16QAM	36	20	18.54	18.69	18.63			
15	16QAM	36	39	18.52	18.56	18.44	20	2	
15	16QAM	75	0	18.41	18.44	18.61			
15	64QAM	1	0	18.09	18.13	18.04			
15	64QAM	1	37	18.03	17.94	17.88	19	3	
15	64QAM	1	74	18.08	18.03	18.17			
15	64QAM	36	0	17.45	17.54	17.73			
15	64QAM	36	20	17.49	17.61	17.76	22	0	
15	64QAM	36	39	17.51	17.35	17.43			
15	64QAM	75	0	17.45	17.57	17.73			
Channel				37800	38000	38200			
Frequency (MHz)				2675	2695	2615			
10	QPSK	1	0	20.34	20.11	20.07	22	0	
10	QPSK	1	25	20.22	20.05	19.93			
10	QPSK	1	49	20.14	20.35	20.13			
10	QPSK	25	0	19.31	19.44	19.35	21	1	
10	QPSK	25	12	19.37	19.48	19.35			
10	QPSK	25	25	19.41	19.61	19.69			
10	QPSK	50	0	19.36	19.30	19.44	21	1	
10	16QAM	1	0	19.32	19.47	19.71			
10	16QAM	1	25	19.34	19.32	19.38			
10	16QAM	1	49	19.36	19.30	19.34	2		



Band 41_Ant 1 DSI 2&4&6

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		
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.28	22.30	22.99	22.41	22.71	24	0
20	QPSK	1	49	22.30	22.28	22.94	22.34	22.58		
20	QPSK	1	99	22.26	22.33	22.96	22.44	22.67		
20	QPSK	50	0	21.60	21.62	22.18	21.62	21.80	23	1
20	QPSK	50	24	21.59	21.60	22.15	21.61	21.80		
20	QPSK	50	50	21.55	21.59	22.17	21.62	21.87		
20	QPSK	100	0	21.61	21.62	22.26	21.62	21.80		
20	16QAM	1	0	21.71	21.70	22.37	21.76	21.99	23	1
20	16QAM	1	49	21.70	21.68	22.35	21.71	21.96		
20	16QAM	1	99	21.60	21.67	22.43	21.76	22.00		
20	16QAM	50	0	20.60	20.64	21.20	20.68	20.84	22	2
20	16QAM	50	24	20.64	20.68	21.30	20.68	20.86		
20	16QAM	50	50	20.61	20.66	21.30	20.65	20.91		
20	16QAM	100	0	20.63	20.66	21.31	20.66	20.83		
20	64QAM	1	0	20.49	20.48	21.13	20.61	20.92	22	2
20	64QAM	1	49	20.54	20.50	21.15	20.55	20.88		
20	64QAM	1	99	20.54	20.52	21.26	20.63	20.97		
20	64QAM	50	0	19.62	19.64	20.20	19.65	19.82	21	3
20	64QAM	50	24	19.62	19.69	20.31	19.68	19.84		
20	64QAM	50	50	19.61	19.67	20.31	19.64	19.89		
20	64QAM	100	0	19.67	19.67	20.29	19.64	19.84		
Channel										
				39725	40173	40620	41068	41515		
				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.20	22.27	22.96	22.36	22.67	24	0
15	QPSK	1	37	22.27	22.26	22.92	22.31	22.52		
15	QPSK	1	74	22.24	22.30	22.91	22.40	22.62		
15	QPSK	36	0	21.59	21.59	22.13	21.56	21.80	23	1
15	QPSK	36	20	21.54	21.58	22.23	21.53	21.77		
15	QPSK	36	39	21.47	21.51	22.19	21.60	21.87		
15	QPSK	75	0	21.51	21.54	22.21	21.60	21.77		
15	16QAM	1	0	21.63	21.66	22.37	21.66	21.92	23	1
15	16QAM	1	49	21.64	21.68	22.29	21.61	21.94		
15	16QAM	1	74	21.58	21.58	22.39	21.70	21.99		
15	16QAM	36	0	20.51	20.59	21.13	20.64	20.74	22	2
15	16QAM	36	20	20.59	20.58	21.29	20.61	20.76		
15	16QAM	36	39	20.51	20.65	21.24	20.64	20.90		
15	16QAM	75	0	20.58	20.62	21.25	20.58	20.81	22	2
15	64QAM	1	0	20.43	20.40	21.10	20.58	20.88		
15	64QAM	1	37	20.45	20.40	21.14	20.46	20.85		
15	64QAM	1	74	20.51	20.51	21.18	20.55	20.91		
15	64QAM	36	0	19.56	19.54	20.13	19.57	19.82	21	3
15	64QAM	36	20	19.60	19.61	20.29	19.68	19.80		
15	64QAM	36	39	19.53	19.57	20.30	19.65	19.81		
15	64QAM	75	0	19.64	19.60	20.20	19.68	19.74		
Channel										
				39700	40160	40620	41080	41540		
				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.20	22.28	22.94	22.32	22.71	24	0
10	QPSK	1	25	22.26	22.30	22.94	22.30	22.49		
10	QPSK	1	49	22.23	22.28	22.99	22.41	22.62		
10	QPSK	25	0	21.59	21.56	22.14	21.57	21.75	23	1
10	QPSK	25	12	21.59	21.50	22.22	21.54	21.71		
10	QPSK	25	25	21.50	21.54	22.21	21.59	21.80		
10	QPSK	50	0	21.55	21.55	22.26	21.57	21.71		
10	16QAM	1	0	21.62	21.60	22.37	21.71	21.98	23	1
10	16QAM	1	25	21.67	21.61	22.25	21.66	21.95		
10	16QAM	1	49	21.55	21.61	22.37	21.68	21.97		
10	16QAM	25	0	20.50	20.59	21.10	20.68	20.84	22	2
10	16QAM	25	12	20.57	20.64	21.20	20.66	20.78		
10	16QAM	25	25	20.58	20.60	21.22	20.57	20.82		
10	16QAM	50	0	20.59	20.61	21.28	20.60	20.81		
10	64QAM	1	0	20.47	20.44	21.10	20.60	20.87	22	2
10	64QAM	1	25	20.49	20.45	21.13	20.54	20.82		
10	64QAM	1	49	20.49	20.45	21.25	20.56	20.95		
10	64QAM	25	0	19.60	19.59	20.19	19.58	19.74	21	3
10	64QAM	25	12	19.54	19.60	20.27	19.59	19.83		
10	64QAM	25	25	19.53	19.63	20.31	19.55	19.88		
10	64QAM	50	0	19.59	19.58	20.29	19.59	19.82		
Channel										
				39675	40148	40620	41093	41565		
				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.25	22.20	22.96	22.37	22.64	24	0
5	QPSK	1	12	22.25	22.19	22.86	22.31	22.57		
5	QPSK	1	24	22.22	22.27	23.00	22.34	22.63		
5	QPSK	12	0	21.52	21.53	22.14	21.62	21.72	23	1
5	QPSK	12	7	21.55	21.59	22.22	21.59	21.74		
5	QPSK	12	13	21.51	21.58	22.19	21.61	21.77		
5	QPSK	25	0	21.53	21.62	22.22	21.56	21.76		
5	16QAM	1	0	21.66	21.62	22.28	21.70	21.91	23	1
5	16QAM	1	12	21.68	21.68	22.29	21.68	21.86		
5	16QAM	1	24	21.53	21.63	22.43	21.72	21.91		
5	16QAM	12	0	20.53	20.54	21.19	20.59	20.80	22	2
5	16QAM	12	7	20.58	20.59	21.20	20.59	20.83		
5	16QAM	12	13	20.58	20.61	21.23	20.59	20.92		
5	16QAM	25	0	20.55	20.62	21.31	20.63	20.79		
5	64QAM	1	0	20.49	20.44	21.08	20.61	20.91	22	2
5	64QAM	1	12	20.52	20.43	21.12	20.46	20.83		
5	64QAM	1	24	20.44	20.47	21.19	20.58	20.92		
5	64QAM	12	0	19.59	19.54	20.19	19.62	19.74	21	3
5	64QAM	12	7	19.57	19.64	20.25	19.67	19.75		
5	64QAM	12	13	19.55	19.64	20.27	19.60	19.81		
5	64QAM	25	0	19.67	19.60	20.22	19.58	19.79		

Band 41_Ant 1(HPUe) DSI 2&4&6

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		
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.34	25.06	25.92	25.57	25.72	27	0
20	QPSK	1	49	25.28	25.05	25.42	25.42	25.65		
20	QPSK	1	99	25.20	25.05	25.46	25.49	25.39		
20	QPSK	50	0	24.52	24.25	24.66	24.76	24.87	26	1
20	QPSK	50	24	24.57	24.33	24.73	24.74	24.88		
20	QPSK	50	50	24.54	24.30	24.68	24.67	24.88		
20	QPSK	100	0	24.55	24.35	24.72	24.73	24.88		
20	16QAM	1	0	24.76	24.47	24.82	24.84	25.13	26	1
20	16QAM	1	49	24.73	24.47	24.82	24.83	25.05		
20	16QAM	1	99	24.58	24.50	24.83	24.80	24.67		
20	16QAM	50	0	23.56	23.31	23.70	23.83	23.95	25	2
20	16QAM	50	24	23.63	23.40	23.79	23.81	23.96		
20	16QAM	50	50	23.57	23.39	23.75	23.73	23.97		
20	16QAM	100	0	23.61	23.40	23.75	23.79	23.92		
20	64QAM	1	0	23.45	23.24	23.50	23.81	23.77	25	2
20	64QAM	1	49	23.46	23.20	23.44	23.62	23.60		
20	64QAM	1	99	23.25	23.27	23.13	23.45	23.05		
20	64QAM	50	0	22.58	22.32	22.73	22.82	22.95	24	3
20	64QAM	50	24	22.64	22.42	22.57	22.81	22.71		
20	64QAM	50	50	22.57	22.39	22.				



Band 41_Ant 2 DSI 2&4&6

BW (MHz)	Modulation	RB Size	RB Offset	Power					Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.	High Ch. / Freq.		
Channel				39750	40148	40620	41058	41540		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.61	22.03	22.15	22.02	22.06	23.5	0
20	QPSK	1	49	22.55	22.07	22.07	21.94	22.08		
20	QPSK	1	99	22.53	22.07	22.17	21.96	22.21	22.5	1
20	QPSK	50	0	21.78	21.20	21.17	21.05	21.13		
20	QPSK	24	0	21.76	21.22	21.25	21.06	21.16	22.5	1
20	QPSK	50	50	21.74	21.20	21.25	21.03	21.24		
20	QPSK	100	0	21.77	21.22	21.24	21.06	21.16	22.5	1
20	16QAM	1	0	21.77	21.19	21.26	21.16	21.20		
20	16QAM	1	49	21.70	21.14	21.18	21.01	21.20	21.5	2
20	16QAM	1	99	21.73	21.17	21.24	21.06	21.29		
20	16QAM	50	0	20.80	20.24	20.20	20.13	20.18	21.5	2
20	16QAM	50	24	20.79	20.25	20.28	20.10	20.20		
20	16QAM	50	50	20.77	20.24	20.28	20.08	20.29	21.5	2
20	16QAM	100	0	20.81	20.24	20.26	20.09	20.18		
20	64QAM	1	49	20.48	19.87	19.97	19.83	19.95	21.5	2
20	64QAM	1	99	20.48	19.90	19.91	19.82	19.98		
20	64QAM	1	99	20.46	19.92	19.97	19.83	20.08	20.5	3
20	64QAM	50	0	19.80	19.25	19.22	19.13	19.20		
20	64QAM	50	24	19.81	19.25	19.29	19.12	19.21	20.5	3
20	64QAM	50	50	19.79	19.27	19.30	19.08	19.28		
20	64QAM	100	0	19.82	19.26	19.29	19.10	19.21		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.54	21.96	22.05	22.00	22.06	23.5	0
15	QPSK	1	37	22.65	22.05	22.06	21.89	21.98		
15	QPSK	1	74	22.59	21.98	22.12	21.89	22.20	22.5	1
15	QPSK	36	0	21.67	21.10	21.17	21.05	21.11		
15	QPSK	36	20	21.75	21.13	21.22	21.05	21.06	22.5	1
15	QPSK	36	39	21.74	21.18	21.17	21.01	21.14		
15	QPSK	75	0	21.75	21.21	21.17	20.98	21.08	22.5	1
15	16QAM	1	0	21.73	21.11	21.19	21.06	21.13		
15	16QAM	1	37	21.62	21.12	21.08	20.97	21.19	21.5	2
15	16QAM	1	74	21.70	21.09	21.26	21.02	21.25		
15	16QAM	36	0	20.75	20.19	20.16	20.08	20.16	21.5	2
15	16QAM	36	20	20.70	20.19	20.21	20.04	20.13		
15	16QAM	36	39	20.72	20.19	20.18	20.07	20.23	21.5	2
15	16QAM	75	0	20.74	20.22	20.20	20.06	20.14		
15	64QAM	1	0	20.47	19.79	19.88	19.82	19.93	21.5	2
15	64QAM	1	37	20.43	19.88	19.89	19.81	19.88		
15	64QAM	1	74	20.39	19.92	19.95	19.77	20.08	20.5	3
15	64QAM	36	0	19.73	19.25	19.19	19.06	19.12		
15	64QAM	36	20	19.75	19.22	19.20	19.02	19.12	20.5	3
15	64QAM	36	39	19.75	19.21	19.28	19.02	19.22		
15	64QAM	75	0	19.79	19.25	19.28	19.07	19.20		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.61	21.96	22.07	22.00	21.96	23.5	0
10	QPSK	1	25	22.56	22.02	22.04	21.88	22.05		
10	QPSK	1	49	22.55	21.99	22.17	21.92	22.15	22.5	1
10	QPSK	25	0	21.73	21.16	21.12	21.00	21.03		
10	QPSK	25	12	21.76	21.15	21.16	21.01	21.11	22.5	1
10	QPSK	25	25	21.69	21.14	21.22	20.94	21.19		
10	QPSK	50	0	21.76	21.12	21.14	21.02	21.15	22.5	1
10	16QAM	1	0	21.69	21.19	21.25	21.10	21.20		
10	16QAM	1	25	21.67	21.13	21.12	21.00	21.10	21.5	2
10	16QAM	1	49	21.66	21.10	21.26	21.04	21.22		
10	16QAM	25	0	20.79	20.20	20.13	20.12	20.15	21.5	2
10	16QAM	25	12	20.72	20.21	20.28	20.07	20.14		
10	16QAM	25	25	20.75	20.16	20.22	20.02	20.22	21.5	2
10	16QAM	50	0	20.80	20.20	20.16	20.06	20.12		
10	64QAM	1	0	20.43	19.88	19.88	19.81	19.89	21.5	2
10	64QAM	1	25	20.40	19.85	19.82	19.72	19.97		
10	64QAM	1	49	20.44	19.84	19.92	19.82	20.01	20.5	3
10	64QAM	25	0	19.71	19.16	19.15	19.03	19.12		
10	64QAM	25	12	19.75	19.15	19.22	19.02	19.16	20.5	3
10	64QAM	25	25	19.76	19.24	19.23	19.07	19.19		
10	64QAM	50	0	19.72	19.23	19.27	19.07	19.15		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2543.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.59	22.01	22.13	21.96	22.05	23.5	0
5	QPSK	1	12	22.65	22.01	22.04	21.84	22.02		
5	QPSK	1	24	22.62	22.03	22.11	21.96	22.12	22.5	1
5	QPSK	12	0	21.69	21.11	21.17	21.02	21.11		
5	QPSK	12	7	21.69	21.21	21.18	20.98	21.10	22.5	1
5	QPSK	12	13	21.66	21.19	21.25	20.93	21.16		
5	QPSK	25	0	21.72	21.19	21.23	20.97	21.07	22.5	1
5	16QAM	1	0	21.75	21.16	21.24	21.06	21.18		
5	16QAM	1	12	21.63	21.14	21.08	20.97	21.15	21.5	2
5	16QAM	1	24	21.71	21.17	21.26	21.03	21.29		
5	16QAM	12	0	20.80	20.19	20.14	20.06	20.16	21.5	2
5	16QAM	12	7	20.89	20.17	20.18	20.03	20.14		
5	16QAM	12	13	20.71	20.20	20.21	20.04	20.23	21.5	2
5	16QAM	25	0	20.78	20.16	20.26	19.99	20.14		
5	64QAM	1	0	20.43	19.78	19.97	19.73	19.82	21.5	2
5	64QAM	1	12	20.41	19.85	19.89	19.77	19.96		
5	64QAM	1	24	20.45	19.88	19.94	19.78	20.04	20.5	3
5	64QAM	12	0	19.70	19.16	19.17	19.07	19.12		
5	64QAM	12	7	19.81	19.21	19.28	19.09	19.21	20.5	3
5	64QAM	12	13	19.78	19.24	19.30	18.98	19.19		
5	64QAM	25	0	19.75	19.17	19.25	19.01	19.19		

Band 41_Ant 2(HPUE) DSI 2&4&6

BW (MHz)	Modulation	RB Size	RB Offset	Power					Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Low Middle Ch. / Freq.	High Middle Ch. / Freq.	High Ch. / Freq.	High Ch. / Freq.		
Channel				39750	40148	40620	41058	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.94	23.43	23.39	23.34	22.74	25	0
20	QPSK	1	49	23.81	23.39	23.48	23.03	22.65		
20	QPSK	1	99	23.62	23.38	23.46	23.31	22.34	24	1
20	QPSK	50	0	22.96	22.63	22.72	22.41	21.88		
20	QPSK	50	24	23.01	22.70	22.75	22.32	21.87	24	1
20	QPSK	50	50	22.92	22.66	22.68	22.15	21.90		
20	QPSK	100	0	22.99	22.70	22.73	22.31	21.88	24	1
20	16QAM	1	0	23.24	22.84	23.05	22.70	22.13		
20	16QAM	1	49	23.15	22.80	22.89	22.39	22.05	23	2
20	16QAM	1	99	22.94	22.92	22.81	22.30	22.10		
20	16QAM	50	0	22.02	21.67	21.75	21.48	20.96	23	2
20	16QAM	50	24	22.04	21.76	21.80	21.36	20.95		
20	16QAM	50	50	21.98	21.73	21.73	21.24	21.00	23	2
20	16QAM	100	0	22.04	21.74	21.80	21.33	20.93		
20	64QAM	1	49	22.97	22.66	21.64	21.12	20.73	23	2
20	64QAM	1	99	22.91	22.63	21.01	20.34	19.94		
20	64QAM	50	0	21.94	21.63	20.77	20.45	19.94	22	3
20	64QAM	50	24	22.00	20.74	20.79	20.27	19.95		
20	64QAM	50	50	21.91	20.71	20.74	20.08	19.59	22	3
20	64QAM	100	0	22.05	20.74	20.76				



Band 48 (3.5G Band)_Ant 1 DSI 2&4&6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power High Ch./Freq., Power High Middle Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel and frequency sub-tables.

Band 48 (3.5G Band)_Ant 2 DSI 2&4&6&3&5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power High Ch./Freq., Power High Middle Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel and frequency sub-tables.

DS1 3

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	29.32	29.19	30.50	20.42	20.32	20.19	21.50
GPRS 1 Tx slot	29.44	29.41	29.20	30.50	20.44	20.41	20.20	21.50
GPRS 2 Tx slots	28.32	28.34	28.15	28.50	22.32	22.34	22.15	22.50
GPRS 3 Tx slots	26.51	26.53	26.32	27.20	22.25	22.27	22.06	22.94
GPRS 4 Tx slots	24.92	24.41	23.80	25.20	21.92	21.41	20.80	22.20
EDGE 1 Tx slot	25.67	25.60	25.42	26.00	16.67	16.60	16.42	17.00
EDGE 2 Tx slots	24.50	24.48	24.32	24.50	18.50	18.48	18.32	18.50
EDGE 3 Tx slots	22.73	22.71	22.36	23.00	18.47	18.45	18.10	18.74
EDGE 4 Tx slots	21.29	21.13	21.11	21.50	18.29	18.13	18.11	18.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	Rx Channel	9262	9400		9538	1312	1413	
Frequency (MHz)	9662	9800	9938		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	1852.4	1880	1909.8	21.60	21.16	21.23	21.08
3GPP Rel 99	RMC 12.2Kbps	20.52	20.51	20.51	21.60	21.24	21.24	21.23
3GPP Rel 6	HSDPA Subtest-1	20.00	20.01	20.03	20.60	20.72	20.74	20.66
3GPP Rel 6	HSDPA Subtest-2	19.98	19.98	20.00	20.60	20.69	20.69	20.56
3GPP Rel 6	HSDPA Subtest-3	19.48	19.47	19.52	20.10	20.18	20.18	20.16
3GPP Rel 6	HSDPA Subtest-4	19.42	19.44	19.50	20.10	20.17	20.16	20.16
3GPP Rel 8	DC-HSDPA Subtest-1	20.01	19.98	20.06	20.60	20.71	20.72	20.61
3GPP Rel 8	DC-HSDPA Subtest-2	20.00	19.99	20.01	20.60	20.70	20.71	20.63
3GPP Rel 8	DC-HSDPA Subtest-3	19.54	19.47	19.51	20.10	20.18	20.23	20.17
3GPP Rel 8	DC-HSDPA Subtest-4	19.52	19.46	19.52	20.10	20.21	20.21	20.16
3GPP Rel 6	HSPA Subtest-1	20.44	20.45	20.01	20.60	20.32	20.48	20.33
3GPP Rel 6	HSPA Subtest-2	18.42	18.24	18.12	18.60	18.26	18.27	18.32
3GPP Rel 6	HSPA Subtest-3	19.46	18.99	19.03	19.60	18.29	19.19	19.36
3GPP Rel 6	HSPA Subtest-4	18.47	18.29	18.11	18.60	18.34	18.35	18.31
3GPP Rel 6	HSPA Subtest-5	20.42	20.52	20.03	20.60	20.33	20.49	20.29

Band	CDMA BCD			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	TX Channel	1013	384		777	25	600		1175	476	580	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 S055	23.20	23.47	23.41	24.60	19.87	19.89	20.03	20.90	22.27	22.33	22.30	23.00
RC3 S055	23.18	23.46	23.39	24.60	20.02	19.95	20.04	20.90	22.24	22.28	22.29	23.00
RC3 S032 (F+SCH)	23.23	23.50	23.45	24.60	20.01	19.93	20.02	20.90	22.24	22.29	22.28	23.00
RC3 S032 (+SCH)	23.21	23.49	23.43	24.60	20.02	19.96	20.04	20.90	22.25	22.29	22.28	23.00
RTAP 153.6Kbps	23.08	23.32	23.30	24.60	19.85	19.87	19.86	20.90	22.08	22.11	22.11	23.00
RETAP 4096Bits	23.25	23.49	23.48	24.60	20.05	19.98	20.08	20.90	22.27	22.31	22.31	23.00

DS15

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	29.38	29.11	29.50	20.42	20.38	20.11	20.50
GPRS 1 Tx slot	29.43	29.42	29.19	29.50	20.43	20.42	20.19	20.50
GPRS 2 Tx slots	26.40	26.40	26.37	26.50	20.40	20.40	20.37	20.50
GPRS 3 Tx slots	24.25	24.27	24.14	25.00	19.99	20.01	19.88	20.74
GPRS 4 Tx slots	23.35	22.89	22.12	23.50	20.35	19.89	19.12	20.50
EDGE 1 Tx slot	25.33	25.40	25.14	26.00	16.33	16.40	16.14	17.00
EDGE 2 Tx slots	24.31	24.28	24.29	24.50	18.31	18.28	18.29	18.50
EDGE 3 Tx slots	22.23	22.66	22.21	23.00	17.97	18.40	17.95	18.74
EDGE 4 Tx slots	21.18	21.06	21.01	21.50	18.18	18.06	18.01	18.50

Band	CDMA BCD			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	TX Channel	1013	384		777	25	600		1175	476	580	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 S055	22.14	22.36	22.35	23.40	20.19	20.19	20.35	21.20	22.27	22.33	22.32	23.20
RC3 S055	22.11	22.33	22.34	23.40	20.31	20.24	20.30	21.20	22.23	22.29	22.30	23.20
RC3 S032 (F+SCH)	22.17	22.39	22.36	23.40	20.22	20.25	20.22	21.20	22.23	22.29	22.29	23.20
RC3 S032 (+SCH)	22.15	22.37	22.34	23.40	20.32	20.26	20.35	21.20	22.25	22.29	22.30	23.20
RTAP 153.6Kbps	22.20	22.23	22.18	23.40	20.17	20.08	20.16	21.20	22.07	22.12	22.12	23.20
RETAP 4096Bits	22.38	22.41	22.36	23.40	20.34	20.28	20.36	21.20	22.24	22.30	22.30	23.20

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	Rx Channel	9262	9400		9538	1312	1413	
Frequency (MHz)	9662	9800	9938		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	21.02	20.70	20.78	22.00	20.61	20.63	20.44
3GPP Rel 99	RMC 12.2Kbps	21.10	20.79	21.06	22.00	20.65	20.66	20.48
3GPP Rel 6	HSDPA Subtest-1	20.59	20.29	20.33	21.00	20.17	20.17	19.90
3GPP Rel 6	HSDPA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98
3GPP Rel 6	HSDPA Subtest-3	20.06	19.78	19.89	20.50	19.58	19.60	19.44
3GPP Rel 6	HSDPA Subtest-4	20.08	19.76	19.88	20.50	19.58	19.54	19.46
3GPP Rel 8	DC-HSDPA Subtest-1	20.61	20.23	20.36	21.00	20.21	20.15	19.92
3GPP Rel 8	DC-HSDPA Subtest-2	20.59	20.22	20.37	21.00	20.16	20.13	19.90
3GPP Rel 8	DC-HSDPA Subtest-3	20.06	19.77	19.85	20.50	19.72	19.66	19.42
3GPP Rel 8	DC-HSDPA Subtest-4	20.01	19.77	19.84	20.50	19.71	19.62	19.48
3GPP Rel 6	HSPA Subtest-1	20.61	20.27	20.32	21.00	20.20	20.16	19.91
3GPP Rel 6	HSPA Subtest-2	18.61	18.26	18.33	19.00	18.19	18.17	17.92
3GPP Rel 6	HSPA Subtest-3	19.52	19.29	19.34	20.00	19.18	19.19	18.96
3GPP Rel 6	HSPA Subtest-4	18.63	18.26	18.34	19.00	18.16	18.16	17.95
3GPP Rel 6	HSPA Subtest-5	20.63	20.29	20.33	21.00	20.12	20.15	19.92



Band 2_Ant 2 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.50	20.35	20.26				
20	QPSK	1	0	20.37	20.22	20.15			21.3	0
20	QPSK	1	59	20.17	20.06	20.13				
20	QPSK	50	0	20.51	20.28	20.25				
20	QPSK	50	24	20.46	20.30	20.39			21.3	0
20	QPSK	50	50	20.35	20.28	20.34				
20	QPSK	100	0	20.40	20.27	20.37				
20	16QAM	1	0	20.80	20.58	20.56			21.3	0
20	16QAM	1	49	20.64	20.47	20.55				
20	16QAM	1	99	20.52	20.42	20.54				
20	16QAM	50	0	20.53	20.29	20.27				
20	16QAM	50	24	20.50	20.32	20.37			21.3	0
20	16QAM	50	50	20.37	20.28	20.36				
20	16QAM	100	0	20.48	20.28	20.27				
20	64QAM	1	0	20.64	20.46	20.41				
20	64QAM	1	49	20.45	20.33	20.34			21.3	0
20	64QAM	1	99	20.32	20.22	20.36				
20	64QAM	50	0	20.44	20.29	20.30				
20	64QAM	50	24	20.40	20.19	20.24			21.3	0
20	64QAM	50	50	20.27	20.19	20.25				
20	64QAM	100	0	20.18	19.85	19.96			21	0.3
20	64QAM	100	0	20.09	19.89	19.90				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.75	19.60	19.62				
15	QPSK	1	0	19.62	19.47	19.49			21.3	0
15	QPSK	1	37	19.86	19.65	19.73				
15	QPSK	1	74	19.77	19.67	19.73				
15	QPSK	36	0	20.13	19.95	19.90				
15	QPSK	36	20	20.07	19.89	20.00			21.3	0
15	QPSK	36	39	19.89	19.77	19.85				
15	QPSK	75	0	20.08	19.76	19.74				
15	16QAM	1	0	20.41	20.08	20.12				
15	16QAM	1	37	20.08	20.16	20.01			21.3	0
15	16QAM	1	74	20.10	20.00	20.12				
15	16QAM	36	0	20.12	19.97	19.95				
15	16QAM	36	20	20.17	19.96	19.97			21.3	0
15	16QAM	36	39	19.91	19.81	19.94				
15	16QAM	75	0	20.11	19.87	19.91				
15	64QAM	1	0	20.41	19.99	19.94				
15	64QAM	1	37	19.99	19.84	19.95			21.3	0
15	64QAM	1	74	19.87	19.77	19.82				
15	64QAM	36	0	20.03	19.82	19.85				
15	64QAM	36	20	20.03	19.88	19.83			21	0.3
15	64QAM	36	39	19.87	19.89	19.83				
15	64QAM	75	0	19.81	19.82	19.82				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.97	19.83	19.90				
10	QPSK	1	25	19.81	19.58	19.72			21.3	0
10	QPSK	1	49	19.73	19.51	19.64				
10	QPSK	25	0	19.97	19.86	19.73				
10	QPSK	25	12	19.87	19.61	19.86			21.3	0
10	QPSK	25	25	19.78	19.74	19.75				
10	QPSK	50	0	20.08	19.76	19.71				
10	16QAM	1	0	20.28	19.94	20.04				
10	16QAM	1	25	19.92	19.85	19.85			21.3	0
10	16QAM	1	49	20.06	19.97	19.96				
10	16QAM	25	0	20.11	19.81	19.89				
10	16QAM	25	12	20.12	19.80	19.80			21.3	0
10	16QAM	25	25	19.97	19.81	19.76				
10	16QAM	50	0	20.07	19.75	19.74				
10	64QAM	1	0	20.23	19.84	19.79				
10	64QAM	1	25	20.06	19.80	19.78			21.3	0
10	64QAM	1	49	19.79	19.57	19.84				
10	64QAM	25	0	19.91	19.68	19.84				
10	64QAM	25	12	20.01	19.81	19.68			21	0.3
10	64QAM	25	25	19.80	19.82	19.68				
10	64QAM	50	0	19.81	19.74	19.70				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.83	19.68	19.81				
5	QPSK	1	12	19.81	19.58	19.67			21.3	0
5	QPSK	1	24	19.65	19.52	19.68				
5	QPSK	12	0	20.08	19.75	19.81				
5	QPSK	12	7	19.94	19.60	19.97			21.3	0
5	QPSK	12	13	19.75	19.64	19.74				
5	QPSK	25	0	19.97	19.76	19.71				
5	16QAM	1	0	20.31	20.05	20.04				
5	16QAM	1	12	19.95	20.00	19.85			21.3	0
5	16QAM	1	24	19.82	19.87	19.85				
5	16QAM	12	0	19.96	19.78	19.82				
5	16QAM	12	7	19.87	19.69	19.97			21.3	0
5	16QAM	12	13	19.86	19.78	19.85				
5	16QAM	25	0	19.91	19.68	19.80				
5	64QAM	1	0	20.30	19.81	19.80				
5	64QAM	1	12	20.04	19.64	19.75			21.3	0
5	64QAM	1	24	19.83	19.74	19.82				
5	64QAM	12	0	19.91	19.68	19.84				
5	64QAM	12	7	19.81	19.63	19.77			21	0.3
5	64QAM	12	13	19.87	19.76	19.82				
5	64QAM	25	0	19.88	19.80	19.68				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.89	19.68	19.83				
3	QPSK	1	0	19.89	19.68	19.83			21.3	0
3	QPSK	1	14	19.63	19.50	19.59				
3	QPSK	8	0	20.09	19.84	19.90				
3	QPSK	8	4	19.97	19.64	19.86			21.3	0
3	QPSK	8	7	19.71	19.63	19.77				
3	QPSK	15	0	19.90	19.76	19.72				
3	16QAM	1	0	20.27	20.07	19.93				
3	16QAM	1	8	20.05	20.14	19.89			21.3	0
3	16QAM	1	14	19.86	19.99	20.02				
3	16QAM	8	0	20.00	19.79	19.77				
3	16QAM	8	4	20.12	19.80	19.86			21.3	0
3	16QAM	8	7	19.85	19.78	19.83				
3	16QAM	15	0	20.06	19.69	19.86				
3	64QAM	1	0	20.24	19.79	19.90				
3	64QAM	1	8	19.91	19.69	19.81			21.3	0
3	64QAM	1	14	19.86	19.69	20.02				
3	64QAM	8	0	19.80	19.69	19.76				
3	64QAM	8	4	19.97	19.71	19.71			21	0.3
3	64QAM	8	7	19.79	19.80	19.64				
3	64QAM	15	0	19.81	19.77	19.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.87	19.80	19.93				
1.4	QPSK	1	0	19.87	19.80	19.93			21.3	0
1.4	QPSK	1	3	19.80	19.56	19.70				
1.4	QPSK	1	5	19.65	19.52	19.61				
1.4	QPSK	3	0	20.11	19.84	19.75			21	0
1.4	QPSK	3	1	20.02	19.62	19.95				
1.4	QPSK	3	3	19.77	19.73	19.81				
1.4	QPSK	15	0	19.90	19.76	19.80			21.3	0
1.4	16QAM	1	0	20.35	20.08	20.09				
1.4	16QAM	1	3	20.03	20.16	19.99				
1.4	16QAM	1	5	20.07	19.87	19.85			21.3	0
1.4	16QAM	3	0	20.01	19.84	19.80				
1.4	16QAM	3	1	20.07	19.61	19.88				
1.4	16QAM	3	3	20.00	19.65	19.87			21.3	0
1.4	16QAM	6	0	19.02	18.60	18.79				
1.4	64QAM	1	0	20.33	19.85	19.74				
1.4	64QAM	1	3	20.07	19.67	19.84				
1.4	64QAM	1	5	19.67	19.64	19.97			21	0
1.4	64QAM	3	0	19.80	19.69	19.76				
1.4	64QAM	3	1	19.89	19.79	19.79				
1.4	64QAM	3	3	19.88	19.77	19.82				
1.4	64QAM	6	0	18.86	18.75	18.80			20.7	0.3

Band 2_Ant 2 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.12	19.96	19.92			21	0
20	QPSK	1	0	20.11	19.96	19.94				
20	QPSK	1	59	19.85	19.79	19.80				
20	QPSK	50	0	20.17	19.86	19.92				
20	QPSK	50	24	20.16	19.96	20.03			21	0
20	QPSK	50	50	20.04	19.95	20.02				
20	QPSK	100	0	20.10	19.86	19.94				
20	16QAM	1	0	20.40	20.24	20.29				
20	16QAM	1	49	20.28	20.19	20.20			21	0
20	16QAM	1	99	20.22	20.10	20.19				
20	16QAM	50	0	20.20	19.98	19.96				
20	16QAM	50	24	20.17	19.96	20.06			21	0
20	16QAM	50	50	20.07	19.99	20.05				
20	16QAM	100	0	20.17	19.95	19.94				
20	64QAM	1	0	20.41	20.14	20.10				



Band 4_Ant 1 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
20090 20175 20300 20300										
20	QPSK	1	0	17.20	17.25	17.45				
20	QPSK	1	0	19.39	19.44	19.41	20.6	0		
20	QPSK	1	0	19.24	19.24	19.16				
20	QPSK	1	99	19.21	19.16	19.14				
20	QPSK	50	0	19.46	19.46	19.40				
20	QPSK	50	24	19.46	19.38	19.31				
20	QPSK	50	50	19.36	19.34	19.29	20.6	0		
20	QPSK	100	0	19.42	19.41	19.36				
20	16QAM	1	0	19.79	19.78	19.71				
20	16QAM	1	49	19.60	19.58	19.51	20.6	0		
20	16QAM	1	99	19.58	19.53	19.42				
20	16QAM	50	0	19.47	19.48	19.43				
20	16QAM	50	24	19.49	19.40	19.32				
20	16QAM	50	50	19.41	19.38	19.31	20.6	0		
20	16QAM	100	0	19.44	19.40	19.31				
20	64QAM	1	0	19.62	19.66	19.62				
20	64QAM	1	49	19.48	19.45	19.40	20.6	0		
20	64QAM	1	99	19.45	19.42	19.35				
20	64QAM	50	0	19.47	19.48	19.43				
20	64QAM	50	24	19.49	19.40	19.32				
20	64QAM	50	50	19.41	19.38	19.31	20.6	0		
20	64QAM	100	0	19.44	19.40	19.31				
20	64QAM	50	50	19.43	19.40	19.33				
20	64QAM	100	0	19.48	19.43	19.34				
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
20005 20175 20325 20325										
15	QPSK	1	0	17.15	17.25	17.47				
15	QPSK	1	0	19.33	19.38	19.34	20.6	0		
15	QPSK	1	37	19.17	19.14	19.07				
15	QPSK	1	74	19.17	19.15	19.04				
15	QPSK	36	0	19.46	19.38	19.34				
15	QPSK	36	20	19.43	19.30	19.21	20.6	0		
15	QPSK	36	39	19.26	19.23	19.25				
15	QPSK	75	0	19.40	19.40	19.38				
15	16QAM	1	0	19.77	19.75	19.63				
15	16QAM	1	37	19.52	19.52	19.47	20.6	0		
15	16QAM	1	74	19.50	19.50	19.40				
15	16QAM	36	0	19.46	19.45	19.33				
15	16QAM	36	20	19.45	19.38	19.22	20.6	0		
15	16QAM	36	39	19.27	19.28	19.26				
15	16QAM	75	0	19.31	19.38	19.21				
15	16QAM	75	0	19.38	19.30	19.25				
15	64QAM	1	0	19.52	19.60	19.61				
15	64QAM	1	37	19.47	19.39	19.31	20.6	0		
15	64QAM	1	74	19.27	19.41	19.29				
15	64QAM	36	0	19.47	19.48	19.46				
15	64QAM	36	20	19.51	19.35	19.32	20.6	0		
15	64QAM	36	39	19.43	19.34	19.26				
15	64QAM	75	0	19.38	19.41	19.28				
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
20000 20175 20350 20350										
10	QPSK	1	0	17.15	17.25	17.50				
10	QPSK	1	0	19.30	19.38	19.34	20.6	0		
10	QPSK	1	25	19.17	19.14	19.12				
10	QPSK	1	49	19.13	19.14	19.07				
10	QPSK	25	0	19.46	19.44	19.33				
10	QPSK	25	12	19.45	19.30	19.27	20.6	0		
10	QPSK	25	26	19.31	19.32	19.21				
10	QPSK	50	0	19.42	19.44	19.46				
10	16QAM	1	0	19.69	19.72	19.64				
10	16QAM	1	25	19.51	19.57	19.43	20.6	0		
10	16QAM	1	49	19.49	19.46	19.38				
10	16QAM	25	0	19.38	19.41	19.38				
10	16QAM	25	12	19.44	19.31	19.26	20.6	0		
10	16QAM	25	26	19.32	19.31	19.21				
10	16QAM	50	0	19.44	19.34	19.28				
10	64QAM	1	0	19.54	19.65	19.60				
10	64QAM	1	25	19.39	19.45	19.35	20.6	0		
10	64QAM	1	49	19.45	19.33	19.34				
10	64QAM	25	0	19.47	19.48	19.38				
10	64QAM	25	12	19.43	19.40	19.32	20.6	0		
10	64QAM	25	26	19.42	19.40	19.28				
10	64QAM	50	0	19.40	19.39	19.29				
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
19975 20175 20375 20375										
5	QPSK	1	0	19.30	19.41	19.34				
5	QPSK	1	0	19.20	19.14	19.13	20.6	0		
5	QPSK	1	24	19.17	19.09	19.13				
5	QPSK	12	0	19.42	19.36	19.38				
5	QPSK	12	7	19.39	19.29	19.30	20.6	0		
5	QPSK	12	13	19.29	19.28	19.20				
5	QPSK	25	0	19.40	19.34	19.29				
5	16QAM	1	0	19.69	19.75	19.68				
5	16QAM	1	12	19.51	19.54	19.44	20.6	0		
5	16QAM	1	24	19.52	19.45	19.39				
5	16QAM	12	0	19.42	19.45	19.36				
5	16QAM	12	7	19.40	19.35	19.25	20.6	0		
5	16QAM	12	13	19.38	19.34	19.26				
5	16QAM	25	0	19.37	19.30	19.22				
5	64QAM	1	0	19.60	19.68	19.67				
5	64QAM	1	12	19.40	19.39	19.35	20.6	0		
5	64QAM	1	24	19.36	19.36	19.33				
5	64QAM	12	0	19.43	19.37	19.25				
5	64QAM	12	7	19.41	19.39	19.30	20.6	0		
5	64QAM	12	13	19.37	19.34	19.28				
5	64QAM	25	0	19.46	19.34	19.34				
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
19965 20175 20385 20385										
3	QPSK	1	0	19.24	19.24	19.34				
3	QPSK	1	0	19.20	19.14	19.14	20.6	0		
3	QPSK	1	14	19.18	19.07	19.11				
3	QPSK	8	0	19.37	19.38	19.37				
3	QPSK	8	4	19.38	19.29	19.27	20.6	0		
3	QPSK	8	7	19.36	19.34	19.26				
3	QPSK	16	0	19.39	19.32	19.21				
3	16QAM	1	0	19.72	19.68	19.64				
3	16QAM	1	8	19.57	19.53	19.46	20.6	0		
3	16QAM	1	14	19.55	19.43	19.33				
3	16QAM	8	0	19.47	19.40	19.38				
3	16QAM	8	4	19.48	19.35	19.25	20.6	0		
3	16QAM	8	7	19.41	19.31	19.30				
3	16QAM	15	0	19.42	19.39	19.25				
3	64QAM	1	0	19.58	19.62	19.58				
3	64QAM	1	8	19.41	19.44	19.40	20.6	0		
3	64QAM	1	14	19.43	19.41	19.30				
3	64QAM	8	0	19.46	19.46	19.36				
3	64QAM	8	4	19.47	19.38	19.34	20.6	0		
3	64QAM	8	7	19.36	19.36	19.32				
3	64QAM	15	0	19.44	19.33	19.24				
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
19967 20175 20393 20393										
1.4	QPSK	1	0	19.24	19.40	19.35				
1.4	QPSK	1	0	19.17	19.16	19.16	20.6	0		
1.4	QPSK	1	5	19.19	19.08	19.11				
1.4	QPSK	3	0	19.36	19.40	19.40				
1.4	QPSK	3	1	19.39	19.33	19.31				
1.4	QPSK	3	3	19.33	19.30	19.23	20.6	0		
1.4	QPSK	6	0	19.26	19.40	19.34				
1.4	16QAM	1	0	19.77	19.77	19.62				
1.4	16QAM	1	3	19.53	19.52	19.44	20.6	0		
1.4	16QAM	1	5	19.48	19.50	19.32				
1.4	16QAM	3	0	19.45	19.44	19.34				
1.4	16QAM	3	1	19.39	19.32	19.28				
1.4	16QAM	3	3	19.35	19.30	19.22	20.6	0		
1.4	16QAM	6	0	19.35	19.30	19.22				
1.4	64QAM	1	0	19.54	19.62	19.57				
1.4	64QAM	1	3	19.46	19.46	19.31	20.6	0		
1.4	64QAM	1	5	19.48	19.43	19.27				
1.4	64QAM	3	0	19.44	19.44	19.46				
1.4	64QAM	3	1	19.50	19.42	19.29				
1.4	64QAM	3	3	19.39	19.35	19.27	20.6	0		
1.4	64QAM	6	0	19.39	19.35	19.30				

Band 7_Ant 1 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
Channel	Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
20890 21100 21350 21350										
20	QPSK	1	0	17.83	19.28	19.10				
20	QPSK									



Band 7_Ant 1 DSI 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21550				
Frequency (MHz)				2010	2035	2060				
20	QPSK	1	0	21.78	22.01	22.02	23	0		
20	QPSK	1	49	21.98	22.19	22.02				
20	QPSK	1	99	22.03	22.25	22.08				
20	QPSK	50	0	21.92	22.21	22.18				
20	QPSK	50	24	22.07	22.27	22.20				
20	QPSK	50	50	22.10	22.28	22.14				
20	QPSK	100	0	22.02	22.26	22.21				
20	16QAM	1	0	22.18	22.38	22.36				
20	16QAM	1	49	22.23	22.67	22.41	23	0		
20	16QAM	1	99	22.40	22.56	22.42				
20	16QAM	50	0	21.94	21.22	21.19				
20	16QAM	50	24	21.95	21.29	21.26				
20	16QAM	50	50	21.12	21.32	21.15				
20	16QAM	100	0	21.03	21.28	21.19				
20	64QAM	1	0	22.03	21.21	21.27				
20	64QAM	1	49	22.09	21.42	21.28	23	0		
20	64QAM	1	99	22.25	21.42	21.08				
20	64QAM	50	0	20.92	20.28	20.21				
20	64QAM	50	24	21.06	20.34	20.34				
20	64QAM	50	50	21.08	20.33	20.17				
20	64QAM	100	0	21.04	20.28	20.23				
Channel				20625	21100	21375				
Frequency (MHz)				2007.5	2035	2062.5				
15	QPSK	1	0	21.78	21.89	21.82	23	0		
15	QPSK	1	37	21.34	22.12	21.96				
15	QPSK	1	74	21.95	22.24	22.07				
15	QPSK	36	0	21.88	22.21	22.08				
15	QPSK	36	20	21.99	22.26	22.15				
15	QPSK	36	39	22.10	22.23	22.09				
15	QPSK	50	0	21.94	22.26	22.21				
15	16QAM	1	0	22.09	22.31	22.27				
15	16QAM	1	37	22.15	22.64	22.36	23	0		
15	16QAM	1	74	22.38	22.48	22.41				
15	16QAM	36	0	21.03	21.13	21.15				
15	16QAM	36	20	21.06	21.20	21.18				
15	16QAM	36	39	21.08	21.26	21.15				
15	16QAM	75	0	21.05	21.20	21.10				
15	64QAM	1	0	21.95	21.17	21.20				
15	64QAM	1	37	22.04	21.32	21.18	23	0		
15	64QAM	1	74	22.19	21.36	21.05				
15	64QAM	36	0	20.90	20.29	20.21				
15	64QAM	36	20	21.00	20.34	20.15				
15	64QAM	36	39	21.08	20.25	20.07				
15	64QAM	75	0	21.02	20.23	20.19				
Channel				20800	21100	21400				
Frequency (MHz)				2005	2035	2065				
10	QPSK	1	0	21.78	22.01	21.86	23	0		
10	QPSK	1	25	21.81	22.09	22.02				
10	QPSK	1	49	21.96	22.16	22.02				
10	QPSK	25	0	21.91	22.19	22.17				
10	QPSK	25	12	22.02	22.18	22.19				
10	QPSK	25	25	22.02	22.23	22.10				
10	QPSK	50	0	21.97	22.18	22.17				
10	16QAM	1	0	22.18	22.30	22.27				
10	16QAM	1	25	22.16	22.64	22.34	23	0		
10	16QAM	1	49	22.38	22.56	22.37				
10	16QAM	25	0	21.03	21.20	21.09				
10	16QAM	25	12	21.06	21.27	21.12				
10	16QAM	25	25	21.07	21.26	21.06				
10	16QAM	50	0	21.03	21.20	21.13				
10	64QAM	1	0	21.95	21.18	21.19				
10	64QAM	1	25	22.04	21.41	21.18	23	0		
10	64QAM	1	49	22.18	21.38	21.05				
10	64QAM	36	0	20.90	20.19	20.15				
10	64QAM	25	12	21.06	20.32	20.14				
10	64QAM	25	25	21.06	20.26	20.16				
10	64QAM	50	0	20.97	20.19	20.23				
Channel				20775	21100	21425				
Frequency (MHz)				2002.5	2035	2067.5				
5	QPSK	1	0	21.78	21.91	21.84	23	0		
5	QPSK	1	12	21.83	22.11	21.94				
5	QPSK	1	24	21.94	22.15	22.04				
5	QPSK	12	0	21.82	22.13	22.10				
5	QPSK	12	7	22.07	22.23	22.14				
5	QPSK	12	13	22.10	22.21	22.13				
5	QPSK	25	0	22.01	22.26	22.16				
5	16QAM	1	0	22.17	22.32	22.34				
5	16QAM	1	12	22.20	22.49	22.41	23	0		
5	16QAM	1	24	22.38	22.53	22.36				
5	16QAM	12	0	21.02	21.12	21.10				
5	16QAM	12	7	21.06	21.19	21.26				
5	16QAM	12	13	21.09	21.25	21.14				
5	16QAM	25	0	21.06	21.24	21.18				
5	64QAM	1	0	22.01	21.17	21.22				
5	64QAM	1	12	21.99	21.35	21.20	23	0		
5	64QAM	1	24	22.19	21.34	21.06				
5	64QAM	12	0	20.91	20.28	20.17				
5	64QAM	12	7	20.99	20.31	20.19				
5	64QAM	12	13	20.98	20.29	20.10				
5	64QAM	25	0	20.94	20.25	20.23				

Band 7_Ant 2 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21500				
Frequency (MHz)				2010	2035	2060				
20	QPSK	1	0	19.10	19.49	19.23	21.1	0		
20	QPSK	1	49	19.14	19.42	19.23				
20	QPSK	1	99	19.32	19.48	19.23				
20	QPSK	50	0	19.20	19.45	19.38				
20	QPSK	50	24	19.35	19.43	19.40				
20	QPSK	50	50	19.27	19.44	19.32				
20	QPSK	100	0	19.24	19.21	19.40				
20	16QAM	1	0	19.45	19.63	19.61				
20	16QAM	1	49	19.54	19.78	19.58	21.1	0		
20	16QAM	1	99	19.72	19.63	19.60				
20	16QAM	50	0	19.12	19.30	19.20				
20	16QAM	50	24	19.15	19.26	19.21				
20	16QAM	50	50	19.19	19.37	19.15				
20	16QAM	100	0	19.14	19.30	19.20				
20	64QAM	1	0	19.11	19.30	19.32				
20	64QAM	1	49	19.20	19.52	19.30	21.1	0		
20	64QAM	1	99	19.38	19.46	19.29				
20	64QAM	50	0	18.10	18.21	18.22				
20	64QAM	50	24	18.17	18.39	18.26				
20	64QAM	50	50	18.21	18.38	18.15				
20	64QAM	100	0	18.15	18.34	18.25				
Channel				20625	21100	21375				
Frequency (MHz)				2007.5	2035	2062.5				
15	QPSK	1	0	19.12	19.28	19.23				
15	QPSK	1	37	19.14	19.40	19.21	21.1	0		
15	QPSK	1	74	19.28	19.44	19.21				
15	QPSK	36	0	19.13	19.44	19.37				
15	QPSK	36	20	19.31	19.46	19.36				
15	QPSK	36	39	19.35	19.47	19.24				
15	QPSK	50	0	19.24	19.21	19.42				
15	16QAM	1	0	19.38	19.57	19.59				
15	16QAM	1	37	19.62	19.69	19.49	21.1	0		
15	16QAM	1	74	19.71	19.63	19.52				
15	16QAM	36	0	19.11	19.22	19.13				
15	16QAM	36	20	19.12	19.29	19.11				
15	16QAM	36	39	19.16	19.24	19.14				
15	16QAM	75	0	19.15	19.24	19.14				
15	64QAM									



Band 7_Ant 2 DSI 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20860	21000	21160		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.96	18.45	18.24	19.4	0
20	QPSK	1	49	18.14	18.41	18.20		
20	QPSK	1	99	18.29	18.44	18.22		
20	QPSK	50	0	18.18	18.56	18.35	19.4	0
20	QPSK	50	24	18.32	18.51	18.40		
20	QPSK	50	50	18.34	18.50	18.29		
20	QPSK	100	0	18.20	18.50	18.35	19.4	0
20	16QAM	1	0	18.41	18.62	18.54		
20	16QAM	1	49	18.50	18.76	18.56		
20	16QAM	1	99	18.70	18.79	18.67	19.4	0
20	16QAM	50	0	18.19	18.46	18.37		
20	16QAM	50	24	18.32	18.51	18.36		
20	16QAM	50	50	18.36	18.51	18.28	19.4	0
20	16QAM	100	0	18.28	18.48	18.37		
20	64QAM	1	0	18.25	18.45	18.45		
20	64QAM	1	49	18.33	18.67	18.44	19.4	0
20	64QAM	1	99	18.54	18.64	18.37		
20	64QAM	25	0	18.13	18.46	18.20		
20	64QAM	25	24	18.25	18.46	18.32	19.4	0
20	64QAM	50	0	18.27	18.45	18.23		
20	64QAM	100	0	18.23	18.42	18.30		
Channel				20925	21100	21275		
Frequency (MHz)				2507.5	2533	2562.5		
15	QPSK	1	0	18.96	18.21	18.19	19.4	0
15	QPSK	1	37	18.07	18.35	18.17		
15	QPSK	1	74	18.28	18.39	18.17		
15	QPSK	36	0	18.18	18.40	18.30	19.4	0
15	QPSK	36	20	18.22	18.47	18.35		
15	QPSK	36	39	18.26	18.46	18.29		
15	QPSK	75	0	18.24	18.44	18.30	19.4	0
15	16QAM	1	0	18.38	18.53	18.49		
15	16QAM	1	37	18.40	18.74	18.55		
15	16QAM	1	74	18.67	18.73	18.54	19.4	0
15	16QAM	36	0	18.18	18.45	18.27		
15	16QAM	36	20	18.26	18.42	18.32		
15	16QAM	36	39	18.31	18.45	18.20	19.4	0
15	16QAM	75	0	18.19	18.47	18.31		
15	64QAM	1	0	18.18	18.44	18.42		
15	64QAM	1	37	18.28	18.63	18.44	19.4	0
15	64QAM	1	74	18.44	18.59	18.31		
15	64QAM	25	0	18.12	18.40	18.23		
15	64QAM	25	20	18.17	18.44	18.29	19.4	0
15	64QAM	36	0	18.26	18.43	18.30		
15	64QAM	75	0	18.20	18.42	18.20		
Channel				20980	21100	21400		
Frequency (MHz)				2500	2535	2565		
10	QPSK	1	0	17.99	18.19	18.19	19.4	0
10	QPSK	1	25	18.07	18.36	18.17		
10	QPSK	1	49	18.23	18.36	18.13		
10	QPSK	25	0	18.12	18.46	18.33	19.4	0
10	QPSK	25	12	18.29	18.41	18.34		
10	QPSK	25	25	18.27	18.46	18.23		
10	QPSK	50	0	18.26	18.43	18.30	19.4	0
10	16QAM	1	0	18.39	18.60	18.50		
10	16QAM	1	25	18.46	18.74	18.47		
10	16QAM	1	49	18.63	18.77	18.54	19.4	0
10	16QAM	25	0	18.10	18.46	18.30		
10	16QAM	25	12	18.32	18.45	18.37		
10	16QAM	25	25	18.26	18.47	18.18	19.4	0
10	16QAM	50	0	18.23	18.39	18.37		
10	64QAM	1	0	18.16	18.43	18.35		
10	64QAM	1	25	18.32	18.65	18.41	19.4	0
10	64QAM	1	49	18.50	18.61	18.32		
10	64QAM	25	0	18.10	18.36	18.20		
10	64QAM	25	12	18.18	18.45	18.27	19.4	0
10	64QAM	25	25	18.27	18.40	18.19		
10	64QAM	50	0	18.13	18.36	18.20		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2533	2567.5		
5	QPSK	1	0	18.04	18.18	18.17	19.4	0
5	QPSK	1	12	18.05	18.36	18.11		
5	QPSK	1	24	18.22	18.39	18.20		
5	QPSK	12	0	18.14	18.43	18.34	19.4	0
5	QPSK	12	7	18.26	18.45	18.30		
5	QPSK	12	13	18.24	18.47	18.24		
5	QPSK	25	0	18.21	18.46	18.32	19.4	0
5	16QAM	1	0	18.41	18.54	18.46		
5	16QAM	1	12	18.47	18.67	18.56		
5	16QAM	1	24	18.66	18.79	18.51	19.4	0
5	16QAM	12	0	18.16	18.36	18.34		
5	16QAM	12	7	18.27	18.47	18.38		
5	16QAM	12	13	18.33	18.48	18.22	19.4	0
5	16QAM	25	0	18.23	18.38	18.32		
5	64QAM	1	0	18.24	18.45	18.38		
5	64QAM	1	12	18.29	18.57	18.34	19.4	0
5	64QAM	1	24	18.44	18.56	18.27		
5	64QAM	12	0	18.19	18.34	18.26		
5	64QAM	12	7	18.19	18.46	18.28	19.4	0
5	64QAM	12	13	18.18	18.39	18.18		
5	64QAM	25	0	18.21	18.36	18.28		

Band 14_Ant 2 DSI 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23300	23330	23355		
Frequency (MHz)				793				
10	QPSK	1	0	18.81			21.2	0
10	QPSK	1	25	19.41				
10	QPSK	1	49	19.42				
10	QPSK	25	0	19.50			21.2	0
10	QPSK	25	12	19.51				
10	QPSK	25	25	19.51				
10	QPSK	50	0	19.46			21.2	0
10	16QAM	1	0	19.90				
10	16QAM	1	25	19.83				
10	16QAM	1	49	19.74			21.2	0
10	16QAM	25	0	19.48				
10	16QAM	25	12	19.55				
10	16QAM	25	25	19.53			21.2	0
10	16QAM	50	0	19.52				
10	64QAM	1	0	19.70				
10	64QAM	1	25	19.73			21.2	0
10	64QAM	1	49	19.64				
10	64QAM	25	0	19.33				
10	64QAM	25	12	19.34			21	0.2
10	64QAM	25	25	19.39				
10	64QAM	50	0	19.32				
Channel				23305	23330	23355		
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	19.48	19.55	19.51	21.2	0
5	QPSK	1	12	19.35	19.34	19.31		
5	QPSK	1	24	19.29	19.38	19.27		
5	QPSK	12	0	19.42	19.50	19.41	21.2	0
5	QPSK	12	7	19.38	19.41	19.44		
5	QPSK	12	13	19.37	19.40	19.43		
5	QPSK	25	0	19.43	19.43	19.37	21.2	0
5	16QAM	1	0	19.83	19.84	19.84		
5	16QAM	1	12	19.79	19.83	19.76		
5	16QAM	1	24	19.82	19.66	19.68	21.2	0
5	16QAM	12	0	19.44	19.41	19.42		
5	16QAM	12	7	19.50	19.46	19.48		
5	16QAM	12	13	19.48	19.44	19.43	21.2	0
5	16QAM	25	0	19.48	19.42	19.41		
5	64QAM	1	0	19.58	19.67	19.58		
5	64QAM	1	12	19.63	19.70	19.64	21.2	0
5	64QAM	1	24	19.59	19.61	19.55		
5	64QAM	12	0	19.22	19.23	19.28		
5	64QAM	12	7	19.26	19.28	19.19	21	0.2
5	64QAM	12	13	19.27	19.30	19.28		
5	64QAM	25	0	19.25	19.22	19.20		



Band 25_Ant 1 DS1 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch / Freq	High Ch / Freq	Ch / Freq				
Channel										
				26140	26340	26590				
				1890	1890	1905				
20	QPSK	1	0	20.39	20.38	20.38	21.3	0		
20	QPSK	1	49	20.33	20.38	20.38				
20	QPSK	1	99	20.39	20.27	20.38	21.3	0		
20	QPSK	50	0	20.75	20.54	20.41				
20	QPSK	50	24	20.61	20.52	20.51	21.3	0		
20	QPSK	50	50	20.55	20.46	20.45				
20	QPSK	100	0	20.61	20.49	20.51	21.3	0		
20	HQAM	1	0	20.79	20.73	20.69				
20	HQAM	1	49	20.78	20.68	20.62	21.3	0		
20	HQAM	1	99	20.75	20.67	20.57				
20	HQAM	50	0	20.56	20.37	20.21	21.3	0		
20	HQAM	50	24	20.44	20.34	20.32				
20	HQAM	50	50	20.37	20.28	20.27	21.3	0		
20	HQAM	100	0	20.41	20.29	20.29				
20	64QAM	1	0	20.89	20.52	19.83	21.3	0		
20	64QAM	1	49	20.51	20.34	19.72				
20	64QAM	1	99	20.33	20.33	19.92	21	0.3		
20	64QAM	50	0	19.65	19.29	19.20				
20	64QAM	50	24	19.47	19.36	19.20	21	0.3		
20	64QAM	50	50	19.39	19.30	19.21				
20	64QAM	100	0	19.44	19.33	19.62	21	0.3		
Channel										
				26115	26340	26615				
				1827.5	1830	1807.5				
15	QPSK	1	0	20.66	20.48	20.41	21.3	0		
15	QPSK	1	37	20.58	20.37	20.34				
15	QPSK	1	74	20.48	20.39	20.33	21.3	0		
15	QPSK	36	0	20.78	20.54	20.43				
15	QPSK	36	20	20.66	20.50	20.50	21.3	0		
15	QPSK	36	39	20.55	20.43	20.45				
15	HQAM	1	0	20.62	20.49	20.41	21.3	0		
15	HQAM	1	0	20.37	20.52	20.69				
15	HQAM	1	37	20.90	20.66	20.63	21.3	0		
15	HQAM	1	74	20.83	20.68	20.60				
15	HQAM	36	0	20.57	20.36	20.21	21.3	0		
15	HQAM	36	20	20.44	20.30	20.30				
15	HQAM	36	39	20.38	20.25	20.26	21.3	0		
15	HQAM	75	0	20.41	20.30	20.22				
15	64QAM	1	0	20.62	20.46	19.73	21.3	0		
15	64QAM	1	37	20.57	20.42	19.92				
15	64QAM	1	74	20.43	20.34	19.42	21	0.3		
15	64QAM	36	0	19.65	19.29	19.20				
15	64QAM	36	20	19.49	19.35	19.02	21	0.3		
15	64QAM	36	39	19.40	19.31	19.20				
15	64QAM	75	0	19.44	19.30	19.26	21	0.3		
Channel										
				26090	26340	26640				
				1825	1830	1830				
10	QPSK	1	0	20.66	20.48	20.48	21.3	0		
10	QPSK	1	25	20.57	20.34	20.34				
10	QPSK	1	49	20.54	20.33	20.39	21.3	0		
10	QPSK	25	0	20.89	20.48	20.40				
10	QPSK	25	12	20.65	20.49	20.44	21.3	0		
10	QPSK	25	25	20.61	20.38	20.51				
10	HQAM	1	0	20.69	20.48	20.41	21.3	0		
10	HQAM	1	0	21.00	20.77	20.69				
10	HQAM	1	25	20.92	20.70	20.75	21.3	0		
10	HQAM	1	49	20.87	20.76	20.72				
10	HQAM	25	0	20.53	20.30	20.19	21.3	0		
10	HQAM	25	12	20.45	20.31	20.25				
10	HQAM	25	25	20.42	20.22	20.26	21.3	0		
10	HQAM	50	0	20.45	20.30	20.22				
10	64QAM	1	0	20.53	20.29	19.95	21.3	0		
10	64QAM	1	25	20.68	20.43	19.97				
10	64QAM	1	49	20.53	20.39	19.42	21	0.3		
10	64QAM	50	0	19.54	19.23	19.20				
10	64QAM	50	12	19.30	19.34	19.15	21	0.3		
10	64QAM	25	25	19.46	19.23	19.10				
10	64QAM	50	0	19.46	19.32	19.15	21	0.3		
Channel										
				26055	26340	26655				
				1822.5	1830	1912.5				
5	QPSK	1	0	20.59	20.41	20.38	21.3	0		
5	QPSK	1	12	20.66	20.40	20.39				
5	QPSK	1	24	20.61	20.32	20.39	21.3	0		
5	QPSK	12	0	20.89	20.43	20.44				
5	QPSK	12	7	20.72	20.50	20.49	21.3	0		
5	QPSK	12	13	20.72	20.47	20.49				
5	HQAM	1	0	20.69	20.48	20.41	21.3	0		
5	HQAM	1	0	20.94	20.68	20.70				
5	HQAM	1	12	20.97	20.74	20.67	21.3	0		
5	HQAM	1	24	20.92	20.67	20.76				
5	HQAM	12	0	20.51	20.25	20.26	21.3	0		
5	HQAM	12	7	20.58	20.27	20.28				
5	HQAM	12	13	20.54	20.28	20.21	21.3	0		
5	HQAM	25	0	20.55	20.27	20.29				
5	64QAM	1	0	20.63	20.42	19.67	21.3	0		
5	64QAM	1	12	20.66	20.40	19.62				
5	64QAM	1	24	20.67	20.33	19.31	21	0.3		
5	64QAM	12	0	19.54	19.23	19.20				
5	64QAM	12	7	19.38	19.37	19.16	21	0.3		
5	64QAM	12	13	19.80	19.30	19.15				
5	64QAM	25	0	19.54	19.30	19.09	21	0.3		
Channel										
				26055	26340	26675				
				1821.5	1830	1913.5				
3	QPSK	1	0	20.52	20.45	20.21	21.3	0		
3	QPSK	1	8	20.70	20.45	20.41				
3	QPSK	1	14	20.68	20.41	20.38	21.3	0		
3	QPSK	8	0	20.67	20.43	20.38				
3	QPSK	8	4	20.71	20.49	20.48	21.3	0		
3	QPSK	8	7	20.73	20.50	20.47				
3	HQAM	1	0	20.73	20.48	20.41	21.3	0		
3	HQAM	1	0	20.89	20.65	20.59				
3	HQAM	1	8	20.97	20.81	20.72	21.3	0		
3	HQAM	1	14	20.95	20.74	20.71				
3	HQAM	8	0	20.54	20.29	20.26	21.3	0		
3	HQAM	8	4	20.58	20.27	20.28				
3	HQAM	8	7	20.57	20.27	20.21	21.3	0		
3	HQAM	15	0	20.49	20.31	20.24				
3	64QAM	1	0	20.63	20.36	19.66	21.3	0		
3	64QAM	1	8	20.76	20.47	19.51				
3	64QAM	1	14	20.68	20.43	19.35	21	0.3		
3	64QAM	8	0	19.50	19.29	19.20				
3	64QAM	8	4	19.38	19.36	19.09	21	0.3		
3	64QAM	8	7	19.80	19.37	19.17				
3	64QAM	15	0	19.55	19.31	19.12	21	0.3		
Channel										
				26047	26340	26693				
				1820.7	1830	1914.3				
1.4	QPSK	1	0	20.53	20.28	20.23	21.3	0		
1.4	QPSK	1	3	20.60	20.37	20.34				
1.4	QPSK	1	5	20.59	20.33	20.27	21.3	0		
1.4	QPSK	3	0	20.55	20.32	20.20				
1.4	QPSK	3	1	20.60	20.36	20.32	21.3	0		
1.4	QPSK	3	3	20.61	20.36	20.32				
1.4	HQAM	1	0	20.63	20.39	20.32	21.3	0		
1.4	HQAM	1	0	20.82	20.58	20.54				
1.4	HQAM	1	3	20.96	20.70	20.63	21.3	0		
1.4	HQAM	1	5	20.88	20.66	20.64				
1.4	HQAM	3	0	20.54	20.44	20.33	21.3	0		
1.4	HQAM	3	1	20.71	20.48	20.48				
1.4	HQAM	3	3	20.67	20.44	20.37	21.3	0		
1.4	HQAM	6	0	20.52	20.26	20.12				
1.4	64QAM	1	0	20.96	20.32	19.38	21.3	0		
1.4	64QAM	1	3	20.67	20.37	19.38				
1.4	64QAM	1	5	20.60	20.38	19.35	21.3	0		
1.4	64QAM	3	0	20.58	20.27	19.40				
1.4	64QAM	3	1	20.62	20.38					



Band 30_Ant 1 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
27710									
Frequency (MHz)									
2310									
10	QPSK	1	0	19.51			20.7	0	
10	QPSK	1	25	19.49					
10	QPSK	1	49	19.48					
10	QPSK	25	0	19.67			20.7	0	
10	QPSK	25	12	19.66					
10	QPSK	25	25	19.51					
10	QPSK	50	0	19.66			20.7	0	
10	16QAM	1	0	19.69					
10	16QAM	1	25	19.90					
10	16QAM	1	49	19.93			20.7	0	
10	16QAM	25	0	19.60					
10	16QAM	25	12	19.71					
10	16QAM	25	25	19.74			20.7	0	
10	16QAM	50	0	19.66					
10	16QAM	1	0	19.74					
10	16QAM	1	25	19.83			20.7	0	
10	16QAM	1	49	19.62					
10	16QAM	25	0	19.69					
10	16QAM	25	12	19.74			20.7	0	
10	16QAM	25	25	19.73					
10	16QAM	50	0	19.73					
Channel									
27685 27710 27735									
Frequency (MHz)									
2307.5 2310 2312.5									
5	QPSK	1	0	19.40	19.38	19.44	20.7	0	
5	QPSK	1	12	19.52	19.54	19.54			
5	QPSK	1	24	19.62	19.54	19.57			
5	QPSK	12	0	19.56	19.53	19.53	20.7	0	
5	QPSK	12	7	19.67	19.63	19.63			
5	QPSK	12	13	19.59	19.61	19.62			
5	QPSK	25	0	19.56	19.59	19.59	20.7	0	
5	16QAM	1	0	19.71	19.75	19.76			
5	16QAM	1	12	19.71	19.67	19.61			
5	16QAM	1	24	19.87	19.88	19.91	20.7	0	
5	16QAM	12	0	19.62	19.56	19.57			
5	16QAM	12	7	19.66	19.65	19.65			
5	16QAM	12	13	19.54	19.64	19.66	20.7	0	
5	16QAM	25	0	19.63	19.64	19.63			
5	16QAM	1	0	19.76	19.70	19.70			
5	16QAM	1	12	19.69	19.72	19.73	20.7	0	
5	16QAM	1	24	19.72	19.75	19.61			
5	16QAM	12	0	19.66	19.61	19.59			
5	16QAM	12	7	19.73	19.71	19.69	20.7	0	
5	16QAM	12	13	19.67	19.69	19.70			
5	16QAM	25	0	19.65	19.66	19.67			

Band 30_Ant 1 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
27710									
Frequency (MHz)									
2310									
10	QPSK	1	0	19.61			20	0	
10	QPSK	1	25	19.85					
10	QPSK	1	49	19.88					
10	QPSK	25	0	19.62			20	0	
10	QPSK	25	12	19.03					
10	QPSK	25	25	19.04					
10	QPSK	50	0	19.03			20	0	
10	16QAM	1	0	19.27					
10	16QAM	1	25	19.24					
10	16QAM	1	49	19.26			20	0	
10	16QAM	25	0	19.83					
10	16QAM	25	12	19.04					
10	16QAM	25	25	19.09			20	0	
10	16QAM	50	0	19.02					
10	16QAM	1	0	19.20					
10	16QAM	1	25	19.21			20	0	
10	16QAM	1	49	19.19					
10	16QAM	25	0	19.36					
10	16QAM	25	12	19.11			20	0	
10	16QAM	25	25	19.10					
10	16QAM	50	0	19.11					
Channel									
27685 27710 27735									
Frequency (MHz)									
2307.5 2310 2312.5									
5	QPSK	1	0	19.81	19.80	19.83	20	0	
5	QPSK	1	12	19.89	19.93	19.92			
5	QPSK	1	24	19.90	19.86	19.97			
5	QPSK	12	0	19.96	19.89	19.91	20	0	
5	QPSK	12	7	19.99	19.91	19.92			
5	QPSK	12	13	19.88	19.92	19.94			
5	QPSK	25	0	19.00	19.00	19.00	20	0	
5	16QAM	1	0	19.14	19.14	19.18			
5	16QAM	1	12	19.15	19.22	19.22			
5	16QAM	1	24	19.24	19.28	19.32	20	0	
5	16QAM	12	0	19.01	19.95	19.95			
5	16QAM	12	7	19.04	19.05	19.07			
5	16QAM	12	13	19.01	19.06	19.06	20	0	
5	16QAM	25	0	19.03	19.02	19.03			
5	16QAM	1	0	19.19	19.08	19.10			
5	16QAM	1	12	19.07	19.04	19.17	20	0	
5	16QAM	1	24	19.08	19.18	19.20			
5	16QAM	12	0	19.14	19.01	19.01			
5	16QAM	12	7	19.13	19.12	19.13	20	0	
5	16QAM	12	13	19.1	19.1	19.1			
5	16QAM	25	0	19.06	19.05	19.07			



Band 48 (3.5G Band)_Ant1 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				5530	5530	5610	5640		
Frequency (MHz)				3550	3600	3640	3690		
20	QPSK	1	0	21.46	21.49	21.40	21.38		
20	QPSK	1	49	21.33	21.40	21.20	21.31	22.5	0
20	QPSK	1	99	21.21	21.31	21.18	21.06		
20	QPSK	50	0	18.95	18.96	18.99	18.94		
20	QPSK	50	24	18.88	18.92	18.90	18.75	20.5	2
20	QPSK	50	50	18.90	18.81	18.77	18.71		
20	QPSK	100	0	18.86	18.96	18.92	18.83		
20	16QAM	1	0	19.19	19.11	19.09	19.07		
20	16QAM	1	49	19.02	19.07	19.00	18.99	20.5	2
20	16QAM	1	99	18.93	18.83	18.88	18.76		
20	16QAM	50	0	17.96	18.03	17.98	18.01		
20	16QAM	50	24	17.99	18.02	17.99	17.89	19.5	3
20	16QAM	50	50	17.95	17.88	17.75	17.78		
20	16QAM	100	0	17.98	17.90	17.96	17.86		
20	64QAM	1	0	18.01	17.99	17.90	17.92		
20	64QAM	1	49	17.86	17.81	17.80	17.75	19.5	3
20	64QAM	1	99	17.78	17.83	17.63	17.59		
20	64QAM	50	0	17.02	16.98	16.96	16.94		
20	64QAM	50	24	17.06	16.96	16.92	16.89	18.5	4
20	64QAM	50	50	16.92	16.85	16.90	16.85		
20	64QAM	100	0	16.92	16.93	16.87	16.88		
Channel				5515	5515	5610	5695		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.46	21.34	21.33	21.25		
15	QPSK	1	37	21.17	21.32	21.24	21.19	22.5	0
15	QPSK	1	74	21.15	21.17	21.21	21.11		
15	QPSK	36	0	18.94	18.86	18.79	18.93		
15	QPSK	36	20	18.99	18.80	18.76	18.78	20.5	2
15	QPSK	36	39	18.77	18.73	18.52	18.71		
15	QPSK	75	0	18.87	18.92	18.86	18.72		
15	16QAM	1	0	19.16	19.04	19.15	18.95		
15	16QAM	1	37	18.98	18.98	18.98	18.92	20.5	2
15	16QAM	1	74	18.79	18.81	18.75	18.78		
15	16QAM	36	0	17.93	17.97	17.99	17.89		
15	16QAM	36	20	17.94	17.90	17.96	17.93	19.5	3
15	16QAM	36	39	17.93	17.79	17.68	17.74		
15	16QAM	75	0	17.83	17.91	17.94	17.91		
15	64QAM	1	0	17.94	17.97	17.81	17.79		
15	64QAM	1	37	17.79	17.75	17.72	17.64	19.5	3
15	64QAM	1	74	17.76	17.66	17.65	17.66		
15	64QAM	36	0	17.00	16.93	16.91	16.99		
15	64QAM	36	20	17.01	16.94	16.81	16.91	18.5	4
15	64QAM	36	39	16.99	16.96	16.84	16.88		
15	64QAM	75	0	16.86	16.87	16.93	16.91		
Channel				5520	5515	56105	5690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.38	21.29	21.29	21.34		
10	QPSK	1	25	21.32	21.36	21.16	21.18	22.5	0
10	QPSK	1	49	21.12	21.22	21.09	21.07		
10	QPSK	25	0	18.87	18.97	18.85	18.93		
10	QPSK	25	12	18.81	18.93	18.81	18.84	20.5	2
10	QPSK	25	25	18.91	18.85	18.69	18.58		
10	QPSK	50	0	18.87	18.94	18.78	18.72		
10	16QAM	1	0	19.14	19.16	19.06	18.94		
10	16QAM	1	25	19.03	18.96	18.98	18.86	20.5	2
10	16QAM	1	49	18.82	18.76	18.53	18.71		
10	16QAM	25	0	17.91	18.04	17.99	17.99		
10	16QAM	25	12	17.92	17.93	17.93	17.80	19.5	3
10	16QAM	25	25	17.82	17.87	17.75	17.75		
10	16QAM	50	0	17.86	17.92	17.89	17.85		
10	64QAM	1	0	17.97	17.93	17.81	17.92		
10	64QAM	1	25	17.81	17.69	17.74	17.64	19.5	3
10	64QAM	1	49	17.79	17.80	17.64	17.64		
10	64QAM	25	0	16.96	16.92	16.87	16.95		
10	64QAM	25	12	16.97	16.87	16.95	16.88	18.5	4
10	64QAM	25	25	16.88	16.82	16.86	16.87		
10	64QAM	50	0	16.90	16.84	16.82	16.91		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.34	21.42	21.27	21.25		
5	QPSK	1	12	21.22	21.34	21.22	21.23	22.5	0
5	QPSK	1	24	21.22	21.27	21.08	21.07		
5	QPSK	12	0	18.95	19.02	18.91	18.87		
5	QPSK	12	7	18.86	18.77	18.84	18.80	20.5	2
5	QPSK	12	13	18.91	18.81	18.60	18.64		
5	QPSK	25	0	18.96	18.85	18.90	18.79		
5	16QAM	1	0	19.08	19.16	19.09	19.01		
5	16QAM	1	12	18.97	19.03	18.99	18.91	20.5	2
5	16QAM	1	24	18.78	18.79	18.80	18.76		
5	16QAM	12	0	17.90	17.92	17.99	17.97		
5	16QAM	12	7	17.92	17.96	17.85	17.87	19.5	3
5	16QAM	12	13	17.90	17.77	17.68	17.73		
5	16QAM	25	0	17.90	17.90	17.85	17.81		
5	64QAM	1	0	17.88	17.91	17.88	17.81		
5	64QAM	1	12	17.81	17.77	17.87	17.71	19.5	3
5	64QAM	1	24	17.76	17.79	17.58	17.54		
5	64QAM	12	0	16.98	16.92	16.95	16.91		
5	64QAM	12	7	17.09	16.95	16.91	16.84	18.5	4
5	64QAM	12	13	16.91	16.86	16.82	16.85		
5	64QAM	25	0	16.87	16.82	16.89	16.95		

Band 48 (3.5G Band)_Ant1 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				5530	5530	5610	5640		
Frequency (MHz)				3550	3600	3640	3690		
20	QPSK	1	0	21.68	21.68	21.68	21.62		
20	QPSK	1	49	21.60	21.51	21.58	21.57	22.5	0
20	QPSK	1	99	21.40	21.41	21.29	21.43		
20	QPSK	50	0	19.03	19.06	19.04	18.93		
20	QPSK	50	24	19.05	18.96	19.03	19.04	20.5	2
20	QPSK	50	50	18.85	18.93	18.80	18.82		
20	QPSK	100	0	18.82	18.99	18.91	19.02		
20	16QAM	1	0	18.83	19.20	19.09	19.10		
20	16QAM	1	49	18.97	18.89	18.90	18.98	20.5	2
20	16QAM	1	99	18.91	18.86	18.82	18.78		
20	16QAM	50	0	18.15	18.11	18.11	18.06		
20	16QAM	50	24	18.07	17.98	18.07	18.08	19.5	3
20	16QAM	50	50	17.88	17.89	17.99	17.96		
20	16QAM	100	0	18.01	17.82	18.00	17.91		
20	64QAM	1	0	17.86	17.92	17.83	17.83		
20	64QAM	1	49	17.71	17.67	17.70	17.65	19.5	3
20	64QAM	1	99	17.59	17.57	17.50	17.57		
20	64QAM	50	0	17.20	17.18	17.10	17.03		
20	64QAM	50	24	17.21	17.12	17.15	17.06	18.5	4
20	64QAM	50	50	16.96	17.01	16.91	16.98		
20	64QAM	100	0	16.93	16.83	17.00	17.08		
Channel				55315	5530	5610	5695		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.62	21.66	21.72	21.51		
15	QPSK	1	37	21.56	21.53	21.55	21.51	22.5	0
15	QPSK	1	74	21.41	21.42	21.41	21.44		
15	QPSK	36	0	19.06	19.05	19.00	18.96		
15	QPSK	36	20	19.10	18.97	18.97	18.98	20.5	2
15	QPSK	36	39	18.94	18.94	18.88	18.98		
15	QPSK	75	0	19.01	18.96	18.95	19.03		
15	16QAM	1	0	19.04	19.17	19.05	19.13		
15	16QAM	1	37	18.95	18.92	18.96	18.93	20.5	2
15	16QAM	1	74	18.94	18.97	18.81	18.84		
15	16QAM	36	0	18.14	18.04	18.06	18.05		
15	16QAM								

DSI 3

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.19	32.28	32.37	33.50	23.19	23.28	23.37	24.50
GPRS 1 Tx slot	32.18	32.32	32.40	33.50	23.18	23.32	23.40	24.50
GPRS 2 Tx slots	29.39	29.01	28.59	30.50	23.39	23.01	22.59	24.50
GPRS 3 Tx slots	27.55	27.06	26.63	28.50	23.29	22.80	22.37	24.24
GPRS 4 Tx slots	26.20	25.63	25.14	26.50	23.20	22.63	22.14	23.50
EDGE 1 Tx slot	26.16	26.27	26.25	27.00	17.16	17.27	17.25	18.00
EDGE 2 Tx slots	25.09	25.19	25.16	25.50	19.09	19.19	19.16	19.50
EDGE 3 Tx slots	23.43	23.59	23.54	24.00	19.17	19.33	19.28	19.74
EDGE 4 Tx slots	21.87	21.94	21.91	22.50	18.87	18.94	18.91	19.50

WCDMA V			Tune-up Limit (dBm)
4132	4182	4233	
4357	4407	4458	
826.4	836.4	846.6	
21.75	21.84	21.80	22.90
21.81	21.91	21.88	22.90
20.84	20.92	20.90	21.90
20.81	20.93	20.85	21.90
20.30	20.46	20.40	20.90
20.30	20.43	20.40	20.90
21.30	21.42	21.37	22.40
21.34	21.39	21.33	22.40
20.89	20.93	20.92	21.90
20.87	20.91	20.88	21.90
20.82	20.93	20.87	22.90
18.82	18.95	18.90	20.90
18.82	18.93	18.89	21.90
18.83	18.95	18.92	20.90
20.82	20.90	20.88	22.90

DSI 5

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	31.51	31.52	31.35	32.50	22.51	22.52	22.35	23.50
GPRS 1 Tx slot	31.57	31.58	31.33	32.50	22.57	22.58	22.33	23.50
GPRS 2 Tx slots	28.44	28.00	27.53	29.50	22.44	22.00	21.53	23.50
GPRS 3 Tx slots	26.59	26.08	25.60	27.50	22.33	21.82	21.34	23.24
GPRS 4 Tx slots	25.03	24.46	24.05	26.00	22.03	21.46	21.05	23.00
EDGE 1 Tx slot	26.14	26.29	26.26	27.00	17.14	17.29	17.26	18.00
EDGE 2 Tx slots	25.08	25.19	25.17	25.50	19.08	19.19	19.17	19.50
EDGE 3 Tx slots	23.43	23.57	23.53	24.00	19.17	19.31	19.27	19.74
EDGE 4 Tx slots	21.83	21.88	21.93	22.50	18.83	18.88	18.93	19.50

WCDMA V			Tune-up Limit (dBm)
4132	4182	4233	
4357	4407	4458	
826.4	836.4	846.6	
22.34	22.54	22.55	22.90
22.33	22.53	22.56	22.90
21.32	21.55	21.57	21.90
21.31	21.56	21.56	21.90
20.29	20.54	20.55	20.90
20.28	20.53	20.54	20.90
21.82	21.84	21.83	22.40
21.81	21.83	21.81	22.40
21.32	21.33	21.34	21.90
21.29	21.30	21.29	21.90
22.35	22.55	22.54	22.90
20.34	20.52	20.51	20.90
21.31	21.53	21.48	21.90
20.29	20.51	20.48	20.90
22.31	22.53	22.54	22.90



Band 66 Ant 1_DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.14	21.12	21.05			
20	QPSK	1	49	21.05	20.98	20.90	22	0	
20	QPSK	1	99	20.98	20.91	20.78			
20	QPSK	50	0	21.15	21.11	21.04			
20	QPSK	50	24	21.13	21.08	20.99			
20	QPSK	50	50	21.14	21.09	21.00			
20	QPSK	100	0	21.18	21.04	21.00			
20	16QAM	1	0	21.53	21.50	21.39			
20	16QAM	1	49	21.42	21.33	21.24	22	0	
20	16QAM	1	99	21.31	21.20	21.12			
20	16QAM	50	0	20.95	20.92	20.85			
20	16QAM	50	24	21.03	20.90	20.83	22	0	
20	16QAM	50	50	20.97	20.92	20.81			
20	16QAM	100	0	20.99	20.85	20.83			
20	64QAM	1	0	21.14	21.11	21.02			
20	64QAM	1	49	21.04	20.97	20.93	22	0	
20	64QAM	1	99	21.04	20.98	20.82			
20	64QAM	50	0	19.88	19.96	19.88			
20	64QAM	50	24	19.84	19.91	19.84			
20	64QAM	50	50	19.90	19.92	19.84	21	1	
20	64QAM	100	0	20.04	19.90	19.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.07	21.08	21.02			
15	QPSK	1	37	21.05	20.93	20.81	22	0	
15	QPSK	1	74	20.91	20.88	20.78			
15	QPSK	36	0	21.05	21.02	20.96			
15	QPSK	36	20	21.06	20.99	20.97	22	0	
15	QPSK	36	39	21.09	21.00	20.96			
15	QPSK	172	0	21.10	21.04	20.91			
15	16QAM	1	0	21.46	21.49	21.39			
15	16QAM	1	37	21.37	21.28	21.20	22	0	
15	16QAM	1	74	21.22	21.14	21.03			
15	16QAM	36	0	20.86	20.86	20.77			
15	16QAM	36	20	20.94	20.83	20.73	22	0	
15	16QAM	36	39	20.91	20.88	20.78			
15	16QAM	75	0	20.83	20.81	20.75			
15	64QAM	1	0	21.00	21.10	21.01			
15	64QAM	1	37	20.97	20.88	20.85	22	0	
15	64QAM	1	74	20.94	20.96	20.73			
15	64QAM	36	0	19.88	19.89	19.81			
15	64QAM	36	20	19.84	19.88	19.83	21	1	
15	64QAM	36	39	19.90	19.84	19.74			
15	64QAM	75	0	19.94	19.90	19.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.09	21.02	20.95			
10	QPSK	1	25	21.02	20.91	20.86	22	0	
10	QPSK	1	49	20.88	20.85	20.68			
10	QPSK	25	0	21.10	21.01	20.96			
10	QPSK	25	12	21.13	21.06	20.92	22	0	
10	QPSK	50	0	21.16	21.04	20.95			
10	16QAM	1	0	21.53	21.47	21.34			
10	16QAM	1	25	21.38	21.30	21.19	22	0	
10	16QAM	1	49	21.26	21.17	21.11			
10	16QAM	25	0	20.88	20.91	20.77			
10	16QAM	25	12	21.00	20.82	20.75	22	0	
10	16QAM	25	25	20.94	20.88	20.72			
10	16QAM	50	0	20.99	20.78	20.75			
10	64QAM	1	0	21.08	21.10	20.95			
10	64QAM	1	25	20.96	20.94	20.83	22	0	
10	64QAM	1	49	21.04	20.88	20.81			
10	64QAM	5	0	19.88	19.94	19.80			
10	64QAM	25	12	20.02	19.83	19.79	21	1	
10	64QAM	25	25	19.90	19.87	19.74			
10	64QAM	50	0	20.00	19.85	19.72			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.08	21.02	21.04			
5	QPSK	1	12	21.04	20.97	20.84	22	0	
5	QPSK	1	24	20.89	20.86	20.76			
5	QPSK	12	0	21.12	21.03	20.97			
5	QPSK	12	7	21.07	20.98	20.91	22	0	
5	QPSK	12	13	21.08	21.06	20.96			
5	QPSK	25	0	21.17	20.95	20.97			
5	16QAM	1	0	21.49	21.41	21.33			
5	16QAM	1	12	21.36	21.24	21.19	22	0	
5	16QAM	1	24	21.30	21.19	21.03			
5	16QAM	12	0	20.95	20.89	20.80			
5	16QAM	12	7	21.00	20.88	20.73	22	0	
5	16QAM	12	13	20.98	20.95	20.73			
5	16QAM	25	0	20.91	20.75	20.80			
5	64QAM	1	0	21.04	21.10	20.97			
5	64QAM	1	12	20.95	20.88	20.90	22	0	
5	64QAM	1	24	21.02	20.95	20.80			
5	64QAM	12	0	19.88	19.95	19.82			
5	64QAM	12	7	20.02	19.83	19.78	21	1	
5	64QAM	12	13	19.93	19.92	19.82			
5	64QAM	25	0	19.97	19.80	19.76			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.00	21.00	20.97			
3	QPSK	1	8	21.03	20.89	20.87	22	0	
3	QPSK	1	14	20.96	20.81	20.69			
3	QPSK	8	0	21.14	21.08	20.95			
3	QPSK	8	4	21.12	21.07	20.94	22	0	
3	QPSK	8	7	21.06	21.04	20.95			
3	QPSK	15	0	21.14	20.95	20.95			
3	16QAM	1	0	21.48	21.45	21.38			
3	16QAM	1	8	21.39	21.31	21.19	22	0	
3	16QAM	1	14	21.23	21.16	21.11			
3	16QAM	8	0	20.86	20.85	20.82			
3	16QAM	8	4	21.03	20.82	20.75	22	0	
3	16QAM	8	7	20.95	20.85	20.72			
3	16QAM	15	0	20.93	20.77	20.74			
3	64QAM	1	0	21.12	21.05	21.02			
3	64QAM	1	8	20.96	20.91	20.89	22	0	
3	64QAM	1	14	20.96	20.95	20.77			
3	64QAM	8	0	19.87	19.88	19.80			
3	64QAM	8	4	20.03	19.84	19.75	21	1	
3	64QAM	8	7	19.88	19.86	19.78			
3	64QAM	15	0	19.89	19.88	19.76			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.09	21.09	20.98			
1.4	QPSK	1	3	20.98	20.88	20.86	22	0	
1.4	QPSK	1	6	20.88	20.87	20.86			
1.4	QPSK	3	0	21.00	21.00	21.00			
1.4	QPSK	3	1	21.04	21.02	20.95			
1.4	QPSK	3	3	21.13	21.04	20.98			
1.4	QPSK	6	0	21.18	20.99	20.95	22	0	
1.4	16QAM	1	0	21.48	21.47	21.30			
1.4	16QAM	1	3	21.39	21.33	21.16			
1.4	16QAM	1	5	21.30	21.15	21.02	22	0	
1.4	16QAM	3	0	20.92	20.89	20.82			
1.4	16QAM	3	1	20.96	20.81	20.74			
1.4	16QAM	3	3	20.95	20.86	20.76			
1.4	16QAM	6	0	20.96	20.79	20.82	22	0	
1.4	64QAM	1	0	21.06	21.07	20.97			
1.4	64QAM	1	3	21.00	20.88	20.86			
1.4	64QAM	1	5	20.98	20.97	20.74	22	0	
1.4	64QAM	3	0	21.00	21.06	20.95			
1.4	64QAM	3	1	20.99	20.79	20.90			
1.4	64QAM	3	3	20.92	20.87	20.74			
1.4	64QAM	6	0	20.00	19.82	19.79	21	1	

Band 66 Ant 1_DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.43	19.38	19.32			
20	QPSK	1	49	19.29	19.25	19.17	20.6	0	
20	QPSK	1	99	19.25	19.19	19.06			
20	QPSK	50	0	19.48	19.38	19.29			
20	QPSK	50	24	19.43	19.34	19.25	20.6	0	
20	QPSK	50	50	19.41	19.36	19.26			
20	QPSK	100	0	19.45	19.29	19.25			



Band 38(only on channel required) DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2575	2595	2610			
20	QPSK	1	0	19.53	20.15	20.84	19.1	0	
20	QPSK	1	49	19.47	19.98	20.05			
20	QPSK	1	99	19.32	19.94	19.94			
20	QPSK	50	0	19.48	20.05	20.15			
20	QPSK	50	24	19.74	20.10	20.15			
20	QPSK	50	50	19.35	19.95	20.15			
20	QPSK	100	0	19.20	20.08	20.20			
20	16QAM	1	0	19.35	20.10	20.19			
20	16QAM	1	49	19.34	20.06	20.09	21.1	0	
20	16QAM	1	99	19.40	20.06	20.09			
20	16QAM	50	0	20.02	20.08	20.20			
20	16QAM	50	24	19.80	19.99	20.23	21.1	0	
20	180AM	50	50	20.07	20.12	20.16			
20	84QAM	1	0	19.31	19.71	19.78			
20	84QAM	1	49	19.21	19.67	19.72	21.1	0	
20	84QAM	1	99	19.51	19.92	19.70			
20	84QAM	50	0	19.58	19.91	19.99			
20	84QAM	50	24	19.50	19.96	20.04			
20	84QAM	50	50	19.91	19.92	19.97	21.1	0	
20	84QAM	100	0	19.57	19.81	20.01			
Channel				37825	38000	38175			
Frequency (MHz)				25715	2595	26125			
15	QPSK	1	0	19.63	20.07	20.25	21.1	0	
15	QPSK	1	37	19.37	19.89	20.04			
15	QPSK	1	74	19.29	19.88	19.98			
15	QPSK	36	0	19.44	20.11	20.20			
15	QPSK	36	20	19.68	20.17	20.20	21.1	0	
15	QPSK	36	39	19.40	20.01	20.12			
15	16QAM	75	0	19.10	20.05	20.29			
15	16QAM	1	0	19.26	20.00	20.20	21.1	0	
15	16QAM	1	37	19.38	20.10	20.03			
15	16QAM	1	74	19.27	19.95	20.17			
15	16QAM	36	0	20.09	20.07	20.27			
15	16QAM	36	20	19.88	19.98	20.20	21.1	0	
15	16QAM	36	39	20.09	20.06	20.23			
15	16QAM	75	0	19.49	20.18	20.34			
15	84QAM	1	0	19.39	19.88	19.85			
15	84QAM	1	37	19.25	19.76	19.78	21.1	0	
15	84QAM	1	74	19.50	19.62	19.81			
15	84QAM	36	0	19.51	20.01	20.05			
15	84QAM	36	20	19.53	19.88	20.05	21.1	0	
15	84QAM	36	39	19.88	19.84	20.04			
15	84QAM	75	0	19.54	19.82	20.07			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.72	20.12	20.11	21.1	0	
10	QPSK	1	25	19.58	19.91	19.97			
10	QPSK	1	49	19.34	19.82	19.98			
10	QPSK	25	0	19.37	20.15	20.10			
10	QPSK	25	12	19.74	20.25	20.11	21.1	0	
10	QPSK	25	25	19.41	19.98	20.19			
10	QPSK	50	0	19.42	20.15	20.38			
10	16QAM	1	0	19.33	20.18	20.27			
10	16QAM	1	25	19.34	20.18	20.02	21.1	0	
10	180AM	1	49	19.37	19.95	20.19			
10	16QAM	25	0	20.14	20.08	20.17			
10	16QAM	25	12	19.83	19.88	20.28	21.1	0	
10	16QAM	25	25	20.17	20.09	20.31			
10	16QAM	50	0	19.41	20.12	20.40			
10	84QAM	1	0	19.43	19.60	19.86			
10	84QAM	1	25	19.29	19.78	19.74	21.1	0	
10	84QAM	1	49	19.58	19.67	19.81			
10	84QAM	25	0	19.44	19.99	20.14			
10	84QAM	25	12	19.88	19.79	20.01	21.1	0	
10	84QAM	25	25	19.85	19.94	20.04			
10	84QAM	50	0	19.48	19.79	19.98			
Channel				37775	38000	38225			
Frequency (MHz)				25715	2595	26175			
5	QPSK	1	0	19.72	20.17	20.07	21.1	0	
5	QPSK	1	12	19.52	19.96	20.07			
5	QPSK	1	24	19.41	19.80	19.95			
5	QPSK	12	0	19.36	20.21	20.16			
5	QPSK	12	7	19.72	20.15	20.03	21.1	0	
5	QPSK	12	13	19.40	19.92	20.15			
5	QPSK	25	0	19.31	20.19	20.43			
5	16QAM	1	0	19.30	20.11	20.35			
5	16QAM	1	12	19.40	20.19	20.00	21.1	0	
5	180AM	1	24	19.35	19.90	20.09			
5	16QAM	12	0	20.14	20.03	20.15			
5	16QAM	12	7	19.73	20.02	20.30	21.1	0	
5	16QAM	12	13	20.18	20.07	20.21			
5	180AM	25	0	19.46	20.21	20.31			
5	84QAM	1	0	19.37	19.52	19.92			
5	84QAM	1	12	19.39	19.68	19.81	21.1	0	
5	84QAM	1	24	19.50	19.60	19.63			
5	84QAM	12	0	19.49	19.98	20.10			
5	84QAM	12	7	19.97	19.75	20.10	21.1	0	
5	84QAM	12	13	19.78	19.90	20.03			
5	84QAM	25	0	19.53	19.84	20.00			

Band 38(only on channel required) DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.21	19.20	19.16	19.1	0	
20	QPSK	1	49	18.25	18.27	18.23			
20	QPSK	1	99	18.25	18.29	18.23			
20	QPSK	50	0	18.38	18.30	18.28			
20	QPSK	50	24	18.33	18.39	18.36	19.1	0	
20	QPSK	50	50	18.38	18.37	18.38			
20	QPSK	100	0	18.42	18.40	18.38			
20	16QAM	1	0	18.35	18.32	18.32			
20	16QAM	1	49	18.31	18.36	18.34	19.1	0	
20	16QAM	1	99	18.38	18.41	18.38			
20	16QAM	50	0	18.40	18.35	18.33			
20	16QAM	50	24	18.44	18.41	18.41	19.1	0	
20	16QAM	50	50	18.40	18.41	18.41			
20	16QAM	100	0	18.42	18.40	18.38			
20	84QAM	1	0	18.06	18.04	17.99			
20	84QAM	1	49	18.02	18.06	18.06	19.1	0	
20	84QAM	1	99	18.09	18.12	18.15			
20	84QAM	50	0	18.39	18.33	18.33			
20	84QAM	50	24	18.41	18.43	18.44	19.1	0	
20	84QAM	50	50	18.43	18.41	18.42			
20	84QAM	100	0	18.41	18.39	18.40			
Channel				37825	38000	38175			
Frequency (MHz)				25775	2595	26125			
15	QPSK	1	0	18.19	18.13	18.18	19.1	0	
15	QPSK	1	37	18.17	18.14	18.17			
15	QPSK	1	74	18.16	18.13	18.15			
15	QPSK	36	0	18.14	18.14	18.20			
15	QPSK	36	20	18.17	18.21	18.14	19.1	0	
15	QPSK	36	39	18.20	18.12	18.13			
15	QPSK	75	0	18.19	18.21	18.18			
15	16QAM	1	0	18.17	18.21	18.20			
15	16QAM	1	37	18.14	18.20	18.13	19.1	0	
15	16QAM	1	74	18.15	18.20	18.14			
15	16QAM	36	0	18.15	18.20	18.15			
15	16QAM	36	20	18.14	18.12	18.20	19.1	0	
15	16QAM	36	39	18.21	18.17	18.21			
15	16QAM	75	0	18.20	18.12	18.11			
15	84QAM	1	0	18.13	18.17	18.11			
15	84QAM	1	37	18.16	18.17	18.17	19.1	0	
15	84QAM	1	74	18.14	18.13	18.20			
15	84QAM	36	0	18.14	18.17	18.21			
15	84QAM	36	20	18.21	18.18	18.18	19.1	0	
15	84QAM	36	39	18.14	18.14	18.11			
15	84QAM	75	0	18.20	18.11	18.11			

Band 38(only on channel required)_Ant2 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel			37850	38000	38150				
Frequency (MHz)									
20	QPSK	1	0	18.74	18.83	18.81	19.8	0	
20	QPSK	1	49	18.77	18.86	18.85			
20	QPSK	1	99	18.76	18.86	18.85			
20	QPSK	50	0	18.80	18.80	18.85	19.8	0	
20	QPSK	50	24	18.84	18.85	18.77			
20	QPSK	50	50	18.76	18.83	18.71			
20	QPSK	100	0	18.82	18.84	18.75	19.8	0	
20	16QAM	1	0	18.84	18.82	18.72			
20	16QAM	1	49	18.81	18.74	18.85			
20	16QAM	1	99	18.82	18.73	18.98	19.8	0	
20	16QAM	50	0	18.83	18.83	18.72			
20	16QAM	50	24	18.85	18.89	18.80			
20	16QAM	50	50	18.76	18.86	18.75	19.8	0	
20	16QAM	100	0	18.85	18.89	18.78			
20	64QAM	1	0	18.77	18.84	18.39			
20	64QAM	1	49	18.75	18.52	18.43	19.8	0	
20	64QAM	1	99	18.83	18.53	18.44			
20	64QAM	50	0	18.78	17.96	17.83			
20	64QAM	50	24	18.79	18.02	17.91	19.8	0	
20	64QAM	50	50	18.80	17.97	17.86			
20	64QAM	100	0	18.84	17.98	17.88			
Channel									
Frequency (MHz)			37825	38000	38175				
15	QPSK	1	0	18.77	18.83	18.53	19.8	0	
15	QPSK	1	37	18.79	18.86	18.52			
15	QPSK	1	74	18.80	18.85	18.49			
15	QPSK	36	0	18.96	18.77	18.67	19.8	0	
15	QPSK	36	20	18.93	18.82	18.72			
15	QPSK	36	39	18.92	18.80	18.68			
15	16QAM	75	0	18.96	18.83	18.65	19.8	0	
15	16QAM	1	0	18.99	18.78	18.66			
15	16QAM	1	37	18.73	18.61	18.52			
15	16QAM	1	74	18.89	18.75	18.69	19.8	0	
15	16QAM	36	0	18.93	18.78	18.65			
15	16QAM	36	20	18.91	18.79	18.71			
15	16QAM	36	39	18.88	18.80	18.69	19.8	0	
15	16QAM	75	0	18.98	18.84	18.69			
15	64QAM	1	0	18.64	18.51	18.37			
15	64QAM	1	37	18.83	18.53	18.44	19.8	0	
15	64QAM	1	74	18.60	18.50	18.43			
15	64QAM	36	0	18.09	17.92	17.79			
15	64QAM	36	20	18.07	17.94	17.86	19.8	0	
15	64QAM	36	39	18.06	17.95	17.83			
15	64QAM	75	0	18.07	17.98	17.77			
Channel									
Frequency (MHz)			37800	38000	38200				
10	QPSK	1	0	18.78	18.52	18.48	19.8	0	
10	QPSK	1	25	18.88	18.56	18.61			
10	QPSK	1	49	18.74	18.62	18.64			
10	QPSK	25	0	18.75	18.66	18.54	19.8	0	
10	QPSK	25	12	18.84	18.58	18.68			
10	QPSK	25	25	18.75	18.64	18.59			
10	QPSK	50	0	18.86	18.59	18.55	19.8	0	
10	16QAM	1	0	18.90	18.63	18.72			
10	16QAM	1	25	18.81	18.66	18.58			
10	16QAM	1	49	18.75	18.74	18.48	19.8	0	
10	16QAM	25	0	18.75	18.47	18.64			
10	16QAM	25	12	18.85	18.70	18.72			
10	16QAM	25	25	18.71	18.58	18.62	19.8	0	
10	16QAM	50	0	18.84	18.64	18.61			
10	64QAM	1	0	18.69	18.69	18.52			
10	64QAM	1	25	18.80	18.61	18.65	19.8	0	
10	64QAM	1	49	18.78	18.69	18.70			
10	64QAM	25	0	18.71	18.70	18.52			
10	64QAM	25	12	18.75	18.66	18.60	19.8	0	
10	64QAM	25	25	18.88	18.65	18.50			
10	64QAM	50	0	18.83	18.54	18.50			
Channel									
Frequency (MHz)			37775	38000	38225				
5	QPSK	1	0	18.78	18.51	18.54	19.8	0	
5	QPSK	1	12	18.86	18.62	18.49			
5	QPSK	1	24	18.81	18.63	18.60			
5	QPSK	12	0	18.67	18.64	18.56	19.8	0	
5	QPSK	12	7	18.82	18.57	18.58			
5	QPSK	12	13	18.78	18.73	18.57			
5	16QAM	25	0	18.84	18.58	18.57	19.8	0	
5	16QAM	1	0	18.91	18.71	18.69			
5	16QAM	1	12	18.72	18.65	18.72			
5	16QAM	1	24	18.74	18.66	18.62	19.8	0	
5	16QAM	12	0	18.78	18.50	18.68			
5	16QAM	12	7	18.78	18.51	18.63			
5	16QAM	12	13	18.71	18.57	18.60	19.8	0	
5	16QAM	25	0	18.78	18.58	18.68			
5	64QAM	1	0	18.88	18.54	18.57			
5	64QAM	1	12	18.84	18.69	18.61	19.8	0	
5	64QAM	1	24	18.83	18.60	18.58			
5	64QAM	12	0	18.81	18.56	18.48			
5	64QAM	12	7	18.83	18.71	18.66	19.8	0	
5	64QAM	12	13	18.78	18.48	18.61			
5	64QAM	25	0	18.73	18.67	18.51			

Band 38(only on channel required)_Ant2 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel			37850	38000	38150				
Frequency (MHz)									
20	QPSK	1	0	18.99	19.00	19.00	21	0	
20	QPSK	1	49	19.95	19.88	19.78			
20	QPSK	1	99	19.96	19.84	19.75			
20	QPSK	50	0	20.05	19.98	19.77	21	0	
20	QPSK	50	24	20.01	19.97	19.86			
20	QPSK	50	50	20.01	19.93	19.82			
20	QPSK	100	0	20.03	19.95	19.84	21	0	
20	16QAM	1	0	20.04	19.93	19.82			
20	16QAM	1	49	18.95	18.90	18.78			
20	16QAM	1	99	19.96	19.96	19.80	20	1	
20	16QAM	50	0	19.07	19.95	19.82			
20	16QAM	50	24	19.05	18.98	18.89			
20	16QAM	50	50	19.03	18.97	18.84	20	1	
20	16QAM	100	0	19.05	18.97	18.87			
20	64QAM	1	0	18.78	18.65	18.53			
20	64QAM	1	49	18.85	18.61	18.51	20	1	
20	64QAM	1	99	18.88	18.62	18.53			
20	64QAM	50	0	18.10	17.94	17.84			
20	64QAM	50	24	18.07	17.99	17.90	19	2	
20	64QAM	50	50	18.06	17.96	17.85			
20	64QAM	100	0	18.05	17.99	17.88			
Channel									
Frequency (MHz)			37825	38000	38175				
15	QPSK	1	0	18.94	18.88	18.83	21	0	
15	QPSK	1	37	19.96	19.86	19.85			
15	QPSK	1	74	19.99	19.91	19.86			
15	QPSK	36	0	20.06	19.96	19.74	21	0	
15	QPSK	36	20	20.05	20.03	19.78			
15	QPSK	36	39	20.06	19.87	19.77			
15	16QAM	75	0	20.06	19.94	19.85	21	0	
15	16QAM	1	0	20.05	19.98	19.86			
15	16QAM	1	37	20.05	20.00	19.74			
15	16QAM	1	74	20.01	19.96	19.71	20	1	
15	16QAM	36	0	19.78	19.91	19.72			
15	16QAM	36	20	18.95	18.98	18.99			
15	16QAM	36	39	19.00	19.07	18.88	20	1	
15	16QAM	75	0	19.03	19.97	19.81			
15	64QAM	1	0	18.68	18.57	18.59			
15	64QAM	1	37	18.67	18.68	18.48	19	2	
15	64QAM	1	74	18.72	18.43	18.43			
15	64QAM	36	0	18.06	17.91	17.88			
15	64QAM	36	20	18.13	18.07	17.96	19	2	
15	64QAM	36	39	18.13	17.90	17.83			
15	64QAM	75	0	17.98	17.99	17.96			
Channel									
Frequency (MHz)			37800	38000	38200				
10	QPSK	1	0	18.96	18.88	18.76	21	0	
10	QPSK	1	25	20.04	19.95	19.81			
10	QPSK	1	49	20.01	19.79	19.72			
10	QPSK	25	0	19.94	18.68	18.69	21	0	
10	QPSK	25	12	19.93	20.02	19.78			
10	QPSK	25	25	18.91	18.97	18.79			
10	QPSK	50	0	19.97	20.03	19.89	21	0	
10	16QAM	1	0	20.00	19.95	19.84			
10	16QAM	1	25	19.88	19.87	19.87			
10	16QAM	1	49	19.98	19.82	19.85	20	1	
10	16QAM	25	0	19.00	19.86	19.92			
10	16QAM	25	12	19.01	18.94	18.88			
10	16QAM	25							



Band 41/HPIUE (2.6G Band) Ant 1 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	20.32	20.41	20.44	20.33	20.32		
20	QPSK	1	49	20.33	20.37	20.34	20.32	20.34	21.1	0
20	QPSK	1	99	20.40	20.44	20.37	20.37	20.35		
20	QPSK	5	0	20.38	20.47	20.54	20.49	20.42		
20	QPSK	50	24	20.47	20.53	20.45	20.53	20.45	21.1	0
20	QPSK	50	50	20.48	20.49	20.42	20.47	20.46		
20	QPSK	100	0	20.52	20.55	20.56	20.47	20.55		
20	HQAM	1	0	20.53	20.59	20.49	20.56	20.52		
20	HQAM	1	49	20.48	20.51	20.47	20.47	20.44	21.1	0
20	HQAM	1	99	20.52	20.54	20.45	20.54	20.50		
20	HQAM	50	0	20.47	20.53	20.48	20.45	20.50		
20	HQAM	50	24	20.52	20.57	20.54	20.49	20.51	21.1	0
20	HQAM	50	50	20.54	20.55	20.49	20.47	20.47		
20	HQAM	100	0	20.52	20.55	20.55	20.56	20.47		
20	HQAM	1	0	20.01	20.11	20.10	20.03	20.05		
20	HQAM	1	49	20.03	20.08	19.99	20.08	20.01	21.1	0
20	HQAM	1	99	20.05	20.08	19.98	20.07	20.02		
20	HQAM	50	0	20.31	20.32	20.28	20.28	20.25		
20	HQAM	50	24	20.27	20.37	20.27	20.32	20.32	21.1	0
20	HQAM	50	50	20.32	20.33	20.28	20.28	20.33		
20	HQAM	100	0	20.33	20.33	20.29	20.26	20.27		
Channel										
Frequency (MHz)				39725	40173	40620	41088	41515		
15	QPSK	1	0	20.27	20.33	20.33	20.33	20.23		
15	QPSK	1	37	20.24	20.34	20.34	20.24	20.26	21.1	0
15	QPSK	1	74	20.30	20.43	20.37	20.35	20.29		
15	QPSK	36	0	20.37	20.41	20.39	20.36	20.41		
15	QPSK	36	20	20.37	20.53	20.41	20.48	20.41	21.1	0
15	QPSK	36	39	20.41	20.45	20.41	20.46	20.36		
15	QPSK	75	0	20.40	20.46	20.47	20.43	20.47		
15	HQAM	1	0	20.37	20.42	20.38	20.35	20.41		
15	HQAM	1	37	20.46	20.51	20.44	20.38	20.34	21.1	0
15	HQAM	1	74	20.51	20.50	20.37	20.40	20.45		
15	HQAM	36	0	20.47	20.44	20.41	20.42	20.47		
15	HQAM	36	20	20.48	20.55	20.44	20.46	20.45	21.1	0
15	HQAM	36	39	20.53	20.55	20.44	20.41	20.39		
15	HQAM	75	0	20.49	20.46	20.48	20.46	20.40		
15	HQAM	1	0	20.01	20.08	20.10	19.98	19.95		
15	HQAM	1	37	19.99	20.03	19.93	20.02	19.98	21.1	0
15	HQAM	1	74	20.07	20.02	19.92	20.07	19.99		
15	HQAM	36	0	20.26	20.28	20.21	20.24	20.16		
15	HQAM	36	20	20.24	20.28	20.23	20.22	20.27	21.1	0
15	HQAM	36	39	20.27	20.30	20.21	20.20	20.28		
15	HQAM	75	0	20.27	20.30	20.28	20.19	20.26		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
10	QPSK	1	0	20.21	20.27	20.24	20.22	20.17		
10	QPSK	1	25	20.23	20.28	20.33	20.14	20.19	21.1	0
10	QPSK	1	49	20.31	20.41	20.29	20.30	20.26		
10	QPSK	25	0	20.31	20.31	20.32	20.22	20.36		
10	QPSK	25	12	20.27	20.45	20.40	20.45	20.38	21.1	0
10	QPSK	25	25	20.36	20.39	20.34	20.44	20.30		
10	QPSK	50	0	20.46	20.39	20.45	20.37	20.47		
10	HQAM	1	0	20.50	20.56	20.29	20.47	20.37		
10	HQAM	1	25	20.41	20.43	20.38	20.28	20.32	21.1	0
10	HQAM	1	49	20.45	20.43	20.27	20.34	20.40		
10	HQAM	25	0	20.43	20.42	20.41	20.35	20.46		
10	HQAM	25	12	20.43	20.52	20.43	20.42	20.40	21.1	0
10	HQAM	25	25	20.45	20.55	20.42	20.38	20.30		
10	HQAM	50	0	20.42	20.45	20.44	20.44	20.38		
10	HQAM	1	0	19.92	20.01	20.00	19.95	19.88		
10	HQAM	1	25	19.96	20.02	19.88	19.94	19.93	21.1	0
10	HQAM	1	49	19.93	20.02	19.88	20.00	19.95		
10	HQAM	25	0	20.25	20.22	20.20	20.20	20.08		
10	HQAM	25	12	20.22	20.24	20.19	20.19	20.18	21.1	0
10	HQAM	25	25	20.18	20.24	20.17	20.10	20.24		
10	HQAM	50	0	20.21	20.26	20.23	20.09	20.26		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	20.13	20.17	20.15	20.19	20.14		
5	QPSK	1	12	20.15	20.18	20.32	20.13	20.14	21.1	0
5	QPSK	1	24	20.31	20.34	20.21	20.23	20.21		
5	QPSK	12	0	20.25	20.25	20.29	20.19	20.29		
5	QPSK	12	7	20.17	20.42	20.32	20.45	20.31	21.1	0
5	QPSK	12	13	20.31	20.37	20.25	20.35	20.24		
5	QPSK	25	0	20.46	20.37	20.36	20.37	20.42		
5	HQAM	1	0	20.40	20.55	20.24	20.46	20.34		
5	HQAM	1	12	20.40	20.43	20.33	20.23	20.28	21.1	0
5	HQAM	1	24	20.42	20.37	20.25	20.24	20.34		
5	HQAM	12	0	20.33	20.40	20.32	20.31	20.37		
5	HQAM	12	7	20.33	20.47	20.37	20.32	20.38	21.1	0
5	HQAM	12	13	20.37	20.54	20.35	20.31	20.22		
5	HQAM	25	0	20.42	20.43	20.39	20.34	20.26		
5	HQAM	1	0	19.92	19.93	19.90	19.84	19.82		
5	HQAM	1	12	19.93	20.00	19.80	19.88	19.83	21.1	0
5	HQAM	1	24	19.86	20.00	19.83	19.95	19.87		
5	HQAM	12	0	20.18	20.22	20.19	20.13	20.02		
5	HQAM	12	7	20.19	20.17	20.13	20.11	20.08	21.1	0
5	HQAM	12	13	20.09	20.18	20.17	20.03	20.18		
5	HQAM	25	0	20.17	20.18	20.13	20.09	20.25		

Band 41/HPIUE (2.6G Band)Ant 1 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	17.92	18.08	18.37	18.10	18.20		
20	QPSK	1	49	17.99	18.19	18.28	18.09	18.16	19.1	0
20	QPSK	1	99	18.00	18.21	18.36	18.13	18.19		
20	QPSK	5	0	18.03	18.26	18.47	18.20	18.20		
20	QPSK	50	24	18.13	18.33	18.35	18.22	18.24	19.1	0
20	QPSK	50	50	18.12	18.33	18.45	18.21	18.29		
20	QPSK	100	0	18.14	18.33	18.42	18.19	18.22		
20	HQAM	1	0	18.08	18.24	18.42	18.24	18.38		
20	HQAM	1	49	18.04	18.22	18.38	18.15	18.26	19.1	0
20	HQAM	1	99	18.11	18.28	18.52	18.22	18.33		
20	HQAM	50	0	18.03	18.25	18.42	18.24	18.27		
20	HQAM	50	24	18.14	18.37	18.45	18.25	18.25	19.1	0
20	HQAM	50	50	18.14	18.38	18.49	18.24	18.34		
20	HQAM	100	0	18.15	18.38	18.45	18.21	18.24		
20	HQAM	1	0	17.71	17.90	18.13	17.84	18.01		
20	HQAM	1	49	17.80	18.01	18.12	17.89	18.00	19.1	0
20	HQAM	1	99	17.83	18.08	18.23	17.97	18.08		
20	HQAM	50	0	18.08	18.28	18.40	18.25	18.30		
20	HQAM	50	24	18.20	18.41	18.49	18.28	18.28	19.1	0
20	HQAM	50	50	18.15	18.38	18.40	18.27	18.33		
20	HQAM	100	0	18.21	18.38	18.47	18.25	18.27		
Channel										
Frequency (MHz)				39725	40173	40620	41088	41515		
15	QPSK	1	0	17.93	17.93	17.85	17.88	17.81		
15	QPSK	1	37	17.85	17.93	17.90	17.94	17.93	19.1	0
15	QPSK	1	74	17.88						



Band 41/HPUE (2.6G Band)_Ant2 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	18.03	18.03	17.97	17.97	17.92		
20	QPSK	1	49	18.00	17.93	17.99	17.95	18.00	19.8	0
20	QPSK	1	99	17.99	17.93	17.94	17.95	17.94		
20	QPSK	50	0	17.97	17.97	17.97	17.98	17.98		
20	QPSK	50	24	17.93	17.95	18.01	17.98	17.93	19.8	0
20	QPSK	50	50	17.96	17.98	17.93	17.95	17.95		
20	QPSK	100	0	17.97	17.97	17.98	17.98	18.03		
20	16QAM	1	0	17.95	17.98	18.03	18.00	17.99		
20	16QAM	1	49	17.96	18.03	18.03	17.93	17.98	19.8	0
20	16QAM	1	99	18.02	18.02	18.02	18.02	17.95		
20	16QAM	50	0	17.97	17.99	17.93	18.03	17.95		
20	16QAM	50	24	17.97	17.98	18.03	17.96	18.00	19.8	0
20	16QAM	50	50	17.94	18.02	17.98	17.95	17.97		
20	16QAM	100	0	18.02	17.99	17.98	17.98	17.95		
20	64QAM	1	0	18.00	18.03	17.98	17.97	17.93		
20	64QAM	1	49	17.96	18.03	17.93	18.00	18.00	19.8	0
20	64QAM	1	99	17.99	17.98	17.93	17.96	18.03		
20	64QAM	50	0	17.95	17.94	17.95	17.97	17.99		
20	64QAM	50	24	17.98	17.96	17.98	17.99	17.94	19.8	0
20	64QAM	50	50	17.94	17.96	17.96	17.94	18.03		
20	64QAM	100	0	17.93	17.97	17.96	17.97	17.99		
Channel										
Frequency (MHz)				39725	40173	40620	41088	41515		
16	QPSK	1	0	18.03	18.03	18.03	17.94	17.93		
16	QPSK	1	37	17.94	18.02	17.99	17.94	18.01	19.8	0
16	QPSK	1	74	17.94	18.00	18.02	17.99	17.94		
16	QPSK	36	0	18.02	18.00	18.00	17.98	18.00		
16	QPSK	36	20	18.02	18.00	17.99	17.95	18.01	19.8	0
16	QPSK	36	39	17.94	17.95	17.97	17.93	18.03		
16	QPSK	75	0	17.96	18.00	17.98	18.02	17.99		
16	16QAM	1	0	17.94	17.94	17.93	18.03	17.94		
16	16QAM	1	37	17.99	17.96	17.94	17.99	17.94	19.8	0
16	16QAM	1	74	17.97	18.02	18.02	17.97	17.94		
16	16QAM	36	0	17.95	17.93	17.98	17.98	17.98		
16	16QAM	36	20	17.96	18.01	17.97	18.03	17.95	19.8	0
16	16QAM	36	39	17.95	18.00	17.95	18.01	17.97		
16	16QAM	75	0	18.03	17.97	17.98	18.02	18.03		
16	64QAM	1	0	18.01	17.97	18.03	18.00	17.99		
16	64QAM	1	37	17.98	18.02	18.02	18.03	17.95	19.8	0
16	64QAM	1	74	17.95	18.02	17.96	18.01	18.01		
16	64QAM	36	0	17.93	17.93	17.98	18.01	18.00		
16	64QAM	36	20	17.94	17.97	17.97	18.00	18.03	19.8	0
16	64QAM	36	39	17.98	17.96	18.01	17.98	17.98		
16	64QAM	75	0	17.99	17.97	17.98	17.99	17.93		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
10	QPSK	1	0	18.01	17.95	18.01	17.98	17.99		
10	QPSK	1	25	18.02	18.00	17.96	18.01	17.96	19.8	0
10	QPSK	1	49	17.93	18.00	17.98	17.93	17.98		
10	QPSK	25	0	18.01	17.97	17.93	17.98	18.00		
10	QPSK	25	12	17.95	17.97	17.98	17.98	17.99	19.8	0
10	QPSK	25	25	17.96	17.95	17.99	17.93	17.95		
10	QPSK	50	0	17.93	18.00	18.02	17.94	18.02		
10	16QAM	1	0	17.93	18.01	18.01	18.00	17.95		
10	16QAM	1	25	17.94	17.96	18.03	17.93	18.01	19.8	0
10	16QAM	1	49	17.96	17.94	17.98	17.93	17.98		
10	16QAM	25	0	17.93	17.96	18.01	17.99	18.03		
10	16QAM	25	12	17.95	17.98	18.02	18.00	17.94	19.8	0
10	16QAM	25	25	17.97	18.03	17.98	17.96	17.94		
10	16QAM	50	0	17.97	17.99	17.99	17.93	18.01		
10	64QAM	1	0	17.97	17.94	18.01	17.95	18.01		
10	64QAM	1	25	17.96	18.03	18.01	18.00	17.98	19.8	0
10	64QAM	1	49	17.93	17.96	18.02	17.94	18.01		
10	64QAM	25	0	18.01	17.98	17.96	18.01	18.02		
10	64QAM	25	12	17.99	17.93	17.95	18.00	18.01	19.8	0
10	64QAM	25	25	17.95	17.93	17.98	17.98	17.93		
10	64QAM	50	0	17.97	18.00	18.03	18.03	18.00		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	18.02	17.96	17.99	18.02	18.02		
5	QPSK	1	12	18.03	17.94	17.95	18.02	18.00	19.8	0
5	QPSK	1	24	17.96	17.95	17.95	18.02	17.95		
5	QPSK	12	0	17.96	18.00	17.96	18.00	17.99		
5	QPSK	12	7	17.95	17.99	18.01	17.98	17.98	19.8	0
5	QPSK	12	13	18.00	17.94	17.99	18.02	18.00		
5	QPSK	25	0	18.02	17.98	17.99	17.99	17.93		
5	16QAM	1	0	17.96	18.03	17.95	17.97	18.02		
5	16QAM	1	12	17.98	18.01	18.00	18.02	17.96	19.8	0
5	16QAM	1	24	17.97	17.99	18.00	18.01	18.00		
5	16QAM	12	0	18.02	17.93	17.98	18.03	17.97		
5	16QAM	12	7	17.93	17.94	17.97	17.93	17.94	19.8	0
5	16QAM	12	13	18.01	18.01	17.97	18.01	17.94		
5	16QAM	25	0	17.94	18.03	18.01	17.95	18.03		
5	64QAM	1	0	17.96	17.94	18.01	17.99	18.03		
5	64QAM	1	12	17.93	17.97	17.94	18.01	17.93	19.8	0
5	64QAM	1	24	17.95	17.98	17.99	17.99	17.93		
5	64QAM	12	0	18.00	17.97	17.94	18.03	18.03		
5	64QAM	12	7	17.99	17.93	18.03	17.96	17.97	19.8	0
5	64QAM	12	13	17.99	17.93	17.98	18.02	17.98		
5	64QAM	25	0	17.97	17.99	17.96	18.00	17.96		

Band 41/HPUE (2.6G Band)_Ant2 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	19.24	19.22	19.14	19.14	19.02		
20	QPSK	1	49	19.23	19.13	19.09	19.04	19.05	21	0
20	QPSK	1	99	19.26	19.17	19.03	19.03	19.08		
20	QPSK	50	0	19.21	19.08	19.09	19.04	19.07		
20	QPSK	50	24	19.21	19.34	19.47	19.02	19.10	21	0
20	QPSK	50	50	19.02	19.11	19.19	19.12	19.11		
20	QPSK	100	0	19.20	19.12	19.19	19.01	19.12		
20	16QAM	1	0	19.21	19.12	19.03	19.08	19.14		
20	16QAM	1	49	19.68	19.23	19.52	19.05	19.15	21	0
20	16QAM	1	99	19.03	19.10	19.54	19.29	19.14		
20	16QAM	50	0	19.03	19.05	19.00	19.04	19.11		
20	16QAM	50	24	19.12	19.14	19.06	19.06	19.05	21	0
20	16QAM	50	50	19.07	19.09	19.07	19.07	19.08		
20	16QAM	100	0	19.20	19.10	19.07	19.10	19.07		
20	64QAM	1	0	19.15	19.09	19.20	19.03	19.10		
20	64QAM	1	49	19.32	20.02	19.28	19.12	19.08	21	0
20	64QAM	1	99	19.10	19.21	19.13	19.06	19.10		
20	64QAM	50	0	19.05	19.15	19.20	19.11	19.07		
20	64QAM	50	24	19.02	19.16	19.15	19.12	19.05	20	1
20	64QAM	50	50	19.53	19.20	19.03	19.10	19.16		
20	64QAM	100	0	18.43	18.30	19.37	19.11	19.10		
Channel										
Frequency (MHz)				39725	40173	40620	41088	41515		
16	QPSK	1	0	19.13	19.19	19.13	19.13	19.11		
16	QPSK	1								



n5_Ant 1 DSI 2&4&6&3&5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				166500	167300	167800	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				831.5	836.5	841.5						
20	PI/2 BPSK	1	1	23.18	23.21	23.13	24.0	0.0				
20	PI/2 BPSK	1	53	23.13	23.16	23.09						
20	PI/2 BPSK	1	104	23.05	23.06	23.09						
20	PI/2 BPSK	50	0	23.01	23.09	23.01	24.0	0.0				
20	PI/2 BPSK	50	28	22.96	23.04	22.98						
20	PI/2 BPSK	50	56	22.96	23.02	22.96						
20	PI/2 BPSK	100	0	21.19	22.99	21.22	23.5	0.5				
20	QPSK	1	1	23.09	23.22	23.06						
20	QPSK	1	53	23.10	23.24	23.08			24.0	0.0		
20	QPSK	1	104	23.01	23.13	23.01						
20	QPSK	50	0	22.93	23.03	22.98						
20	QPSK	50	28	22.94	23.05	22.87	24.0	0.0				
20	QPSK	50	56	22.94	22.98	22.91						
20	QPSK	100	0	22.86	22.93	22.88			23.0	1.0		
20	16QAM	1	1	22.85	22.98	22.79						
20	16QAM	1	53	22.75	22.79	22.61	23.0	1.0				
20	16QAM	1	104	22.67	22.62	22.59						
20	16QAM	50	0	22.48	22.48	22.52						
20	16QAM	50	28	22.35	22.30	22.50	23.0	1.0				
20	16QAM	50	56	22.29	22.23	22.31						
20	16QAM	100	0	21.19	21.11	21.21			22.0	2.0		
20	64QAM	1	1	21.09	21.44	21.35						
20	64QAM	1	53	21.09	21.29	21.23	21.5	2.5				
20	64QAM	1	104	21.01	21.12	21.16						
20	64QAM	50	0	20.92	20.93	21.16						
20	64QAM	50	28	20.92	20.93	21.13	21.5	2.5				
20	64QAM	50	56	20.81	20.93	21.07						
20	64QAM	100	0	20.81	20.83	21.05			21.5	2.5		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				831.5	836.5	841.5						
15	PI/2 BPSK	1	1	23.27	23.12	23.08	24.0	0.0				
15	QPSK	1	1	23.08	23.24	23.12						
15	16QAM	1	1	22.23	22.33	22.21			23.0	1.0		
15	16QAM	1	40	22.18	22.20	22.20						
15	16QAM	1	77	22.18	22.13	22.18						
15	16QAM	36	0	22.20	22.14	22.11	23.0	1.0				
15	16QAM	36	22	22.21	22.14	22.02						
15	16QAM	36	43	22.15	22.23	22.06						
15	16QAM	75	0	21.55	21.77	21.56	22.0	2.0				
15	64QAM	1	1	21.01	21.11	21.05						
15	64QAM	1	40	20.98	21.05	20.90			21.5	2.5		
15	64QAM	1	77	20.99	20.94	20.99						
15	64QAM	36	0	20.97	21.07	20.85						
15	64QAM	36	22	20.90	20.94	20.81	21.5	2.5				
15	64QAM	36	43	20.85	21.09	20.91						
15	64QAM	75	0	20.92	21.08	20.96			21.5	2.5		
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				829	836.5	844						
10	PI/2 BPSK	1	1	23.11	22.98	23.10	24.0	0.0				
10	PI/2 BPSK	1	26	23.10	22.90	22.97						
10	PI/2 BPSK	1	50	22.98	22.86	22.94						
10	PI/2 BPSK	25	0	22.97	22.93	23.10	24.0	0.0				
10	PI/2 BPSK	25	14	22.98	22.94	22.96						
10	PI/2 BPSK	25	27	22.91	22.82	22.95						
10	PI/2 BPSK	50	0	22.31	22.22	22.34	23.5	0.5				
10	QPSK	1	1	23.05	22.90	23.04						
10	QPSK	1	26	23.03	22.72	22.86			24.0	0.0		
10	QPSK	1	50	22.98	22.73	23.00						
10	QPSK	25	0	23.05	22.76	23.02						
10	QPSK	25	14	22.93	22.74	22.99	24.0	0.0				
10	QPSK	25	27	23.04	22.77	22.92						
10	QPSK	50	0	22.01	21.87	21.88			23.0	1.0		
10	16QAM	1	1	22.28	22.79	22.20						
10	16QAM	1	26	22.12	22.72	22.16	23.0	1.0				
10	16QAM	1	50	22.08	22.72	22.10						
10	16QAM	25	0	22.17	22.74	22.12						
10	16QAM	25	14	22.22	22.73	22.10	23.0	1.0				
10	16QAM	25	27	22.25	22.73	22.01						
10	16QAM	50	0	21.14	21.72	20.99			22.0	2.0		
10	64QAM	1	1	20.93	21.38	21.03						
10	64QAM	1	26	20.84	21.38	20.84	21.5	2.5				
10	64QAM	1	50	20.85	21.34	20.84						
10	64QAM	25	0	20.87	21.31	21.01						
10	64QAM	25	14	20.76	21.19	20.97	21.5	2.5				
10	64QAM	25	27	20.80	21.34	20.95						
10	64QAM	50	0	20.78	21.35	20.85			21.5	2.5		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				826.5	836.5	846.5						
5	PI/2 BPSK	1	1	23.29	23.09	23.07	24.0	0.0				
5	PI/2 BPSK	1	13	23.14	22.91	22.91						
5	PI/2 BPSK	1	23	23.23	22.92	22.88						
5	PI/2 BPSK	12	0	23.21	22.90	22.90	24.0	0.0				
5	PI/2 BPSK	12	7	23.16	22.90	22.98						
5	PI/2 BPSK	12	13	23.16	23.09	23.02						
5	PI/2 BPSK	25	0	22.77	22.49	22.33	23.5	0.5				
5	QPSK	1	1	23.08	23.02	23.11						
5	QPSK	1	13	22.98	23.02	23.01			24.0	0.0		
5	QPSK	1	23	22.96	23.00	23.09						
5	QPSK	12	0	23.05	22.96	23.02						
5	QPSK	12	7	22.96	23.00	23.04	24.0	0.0				
5	QPSK	12	13	23.02	22.90	23.04						
5	QPSK	25	0	22.05	21.88	22.01			23.0	1.0		
5	16QAM	1	1	22.08	22.93	22.19						
5	16QAM	1	13	22.12	22.89	22.06	23.0	1.0				
5	16QAM	1	23	22.14	22.75	22.01						
5	16QAM	12	0	22.13	22.88	22.08			23.0	1.0		
5	16QAM	12	7	22.17	22.89	22.14						
5	16QAM	12	13	22.27	22.87	21.99						
5	16QAM	25	0	21.22	21.78	20.99	22.0	2.0				
5	64QAM	1	1	20.83	21.39	21.01						
5	64QAM	1	13	20.80	21.31	21.00			21.5	2.5		
5	64QAM	1	23	20.77	21.28	20.93						
5	64QAM	12	0	20.83	21.33	20.83	21.5	2.5				
5	64QAM	12	7	20.88	21.32	20.93						
5	64QAM	12	13	20.67	21.31	20.84						
5	64QAM	25	0	20.82	21.22	20.92	21.5	2.5				

n5_Ant 2 DSI 2&4&6&3&5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				166500	167300	167800	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				834	836.5	839						
20	PI/2 BPSK	1	1	23.90	23.92	23.80	24.0	0.0				
20	PI/2 BPSK	1	53	23.88	23.84	23.72						
20	PI/2 BPSK	1	104	23.86	23.75	23.88						
20	PI/2 BPSK	50	0	23.67	23.77	23.68	24.0	0.0				
20	PI/2 BPSK	50	28	23.70	23.73	23.63						
20	PI/2 BPSK	50	56	23.63	23.16	23.63						
20	PI/2 BPSK	100	0	22.02	22.04	21.98	23.5	0.5				
20	QPSK	1	1	21.91	21.79	21.75						
20	QPSK	1	53	23.15	23.27	22.92			24.0	0.0		
20	QPSK	1	104	21.45	21.35	21.36						
20	QPSK	50	0	22.61	22.66	22.71						
20	QPSK	50	28	23.61	23.80	23.84	24.0	0.0				
20	QPSK	50	56	22.82	22.65	22.71						
20	QPSK	100	0	22.64	22.70	22.75			23.0	1.0		
20	16QAM	1	1	20.82	20.88	20.82						
20	16QAM	1	53	20.73	20.62	20.83	23.0	1.0				
20	16QAM	1	104	20.73	20.61	20.81						
20	16QAM	50	0	20.77	20.49	20.92						
20	16QAM	50	28	20.77	20.55	20.72	23.0	1.0				
20	16QAM	50	56	20.82	20.52	20.83						
20	16QAM	100	0	19.86	19.61	19.94			22.0	2.0		
20	64QAM	1	1	20.75	20.65	20.80						
20	64QAM	1	53	20.55	20.64	20.63	21.5	2.5				
20	64QAM	1	104	20.58	20.62	20.75						
20	64QAM	50	0	20.74	20.61	20.68						
20	64QAM	50	28	20.66	20.65	20.73	21.5	2.5				
20	64QAM	50	56	20.72	20.52	20.76						
20	64QAM	100	0	20.68	20.56	20.66			21.5	2.5		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				831.5	836.5	841.5						
15	PI/2 BPSK	1	1	23.95	23.85	23.87	24.0	0.0				
15	QPSK	1	1	23.88	23.78	23.91			24.0	0.0		
15	16QAM	1	1	22.73	22.71	22.95						
15	16QAM	1	40	22.62	22.66	22.85	23.0	1.0				
15	16QAM	1	77	22.66	22.61	22.45						
15	16QAM	36	0	22.56	22.54	22.53						
15	16QAM	36	22	22.64	22.60	22.50	23.0	1.0				
15	16QAM	36	43	22.61	22.70	22.50						
15	16QAM	75	0	21.57	21.47	21.46			22.0	2.0		
15	64QAM	1	1	21								

n2 Ant 1 DSI 2&4&6&8&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				372000	376000	380000	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	Pi2 BPSK	1	1	21.23	21.25	21.21				
20	Pi2 BPSK	1	53	21.42	21.39	21.28	22.0	0.0		
20	Pi2 BPSK	1	104	21.08	21.05	20.93				
20	Pi2 BPSK	50	0	21.22	21.12	21.05				
20	Pi2 BPSK	50	28	21.41	21.35	21.16	22.0	0.0		
20	Pi2 BPSK	50	56	21.19	21.11	21.01				
20	Pi2 BPSK	100	0	21.21	21.21	21.00	21.5	0.5		
20	QPSK	1	1	21.20	21.24	21.04				
20	QPSK	1	53	21.46	21.47	21.21	22.0	0.0		
20	QPSK	1	104	20.94	20.93	20.81				
20	QPSK	50	0	20.94	21.10	20.94				
20	QPSK	50	28	21.22	21.12	21.05	22.0	0.0		
20	QPSK	50	56	21.04	21.14	20.96				
20	QPSK	100	0	20.46	20.36	20.28	21.0	1.0		
20	16QAM	1	1	20.84	20.89	20.68				
20	16QAM	1	53	20.15	20.99	20.73	21.0	1.0		
20	16QAM	1	104	20.65	20.74	20.54				
20	16QAM	50	0	20.59	20.46	20.35				
20	16QAM	50	28	20.65	20.61	20.40	21.0	1.0		
20	16QAM	50	56	20.45	20.56	20.36				
20	16QAM	100	0	19.89	19.94	19.77	20.0	2.0		
20	64QAM	1	1	19.30	19.25	19.03				
20	64QAM	1	53	19.37	19.28	19.17	19.5	2.5		
20	64QAM	1	104	18.73	18.73	18.61				
20	64QAM	50	0	19.27	19.09	18.96				
20	64QAM	50	28	19.19	19.07	18.89	19.5	2.5		
20	64QAM	50	56	19.07	19.13	18.97				
20	64QAM	100	0	18.96	19.02	18.90	19.5	2.5		
Channel				374500	378500	382500	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	Pi2 BPSK	1	1	21.22	21.27	21.15				
15	Pi2 BPSK	1	40	21.51	21.36	21.14	22.0	0.0		
15	Pi2 BPSK	1	77	21.17	21.07	20.74				
15	Pi2 BPSK	36	0	21.21	21.25	21.04				
15	Pi2 BPSK	36	22	21.37	21.22	20.97	22.0	0.0		
15	Pi2 BPSK	36	43	21.32	21.18	20.90				
15	Pi2 BPSK	75	0	21.18	21.18	21.00	21.5	0.5		
15	QPSK	1	1	21.28	21.15	21.00				
15	QPSK	1	40	21.49	21.38	21.25	22.0	0.0		
15	QPSK	1	77	20.90	20.92	20.78				
15	QPSK	36	0	21.10	21.02	20.85				
15	QPSK	36	22	21.24	21.01	20.86	22.0	0.0		
15	QPSK	36	43	21.01	20.90	20.97				
15	QPSK	75	0	20.64	20.50	20.29	21.0	1.0		
15	16QAM	1	1	20.15	20.62	20.62				
15	16QAM	1	40	20.82	20.76	20.77	21.0	1.0		
15	16QAM	1	77	20.76	20.82	20.56				
15	16QAM	36	0	19.68	19.55	19.39				
15	16QAM	36	22	20.10	20.58	20.36	21.0	1.0		
15	16QAM	36	43	20.57	20.58	20.32				
15	16QAM	75	0	19.61	19.67	19.46	20.0	2.0		
15	64QAM	1	1	19.30	19.33	18.97				
15	64QAM	1	40	19.34	19.19	18.91	19.5	2.5		
15	64QAM	1	77	19.08	18.92	18.74				
15	64QAM	36	0	19.21	19.21	19.08				
15	64QAM	36	22	19.25	19.16	18.92	19.5	2.5		
15	64QAM	36	43	19.15	19.15	18.97				
15	64QAM	75	0	19.07	19.05	18.86	19.5	2.5		
Channel				371000	376000	381000	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	Pi2 BPSK	1	1	21.13	21.16	21.03	22.0	0.0		
10	Pi2 BPSK	1	26	21.48	21.23	21.03				
10	Pi2 BPSK	1	50	21.12	21.04	20.68				
10	Pi2 BPSK	25	0	21.28	21.25	21.00	22.0	0.0		
10	Pi2 BPSK	25	14	21.22	21.06	20.97				
10	Pi2 BPSK	25	27	21.16	21.13	20.91	21.5	0.5		
10	Pi2 BPSK	50	0	21.28	21.03	20.94				
10	QPSK	1	1	21.30	21.18	20.98				
10	QPSK	1	26	21.51	21.42	21.15	22.0	0.0		
10	QPSK	1	50	20.98	20.90	20.87				
10	QPSK	25	0	21.05	20.99	20.94				
10	QPSK	25	14	21.10	21.08	20.85	22.0	0.0		
10	QPSK	25	27	21.06	21.00	20.90				
10	QPSK	50	0	20.98	20.96	20.18	21.0	1.0		
10	16QAM	1	1	20.89	20.81	20.70				
10	16QAM	1	26	20.82	20.64	20.60	21.0	1.0		
10	16QAM	1	50	20.77	20.58	20.56				
10	16QAM	25	0	19.74	19.43	19.37				
10	16QAM	25	14	20.67	20.55	20.22	21.0	1.0		
10	16QAM	25	27	20.67	20.59	20.36				
10	16QAM	50	0	19.88	19.73	19.48	20.0	2.0		
10	64QAM	1	1	19.33	19.21	18.99				
10	64QAM	1	26	19.36	19.18	19.17	19.5	2.5		
10	64QAM	1	50	19.12	18.98	18.83				
10	64QAM	25	0	19.06	19.19	18.96	19.5	2.5		
10	64QAM	25	14	19.13	18.97	18.78				
10	64QAM	25	27	18.98	18.91	18.72				
10	64QAM	50	0	19.30	19.15	19.14	19.5	2.5		
Channel				375000	376000	381500	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	Pi2 BPSK	1	1	21.25	21.14	21.11				
5	Pi2 BPSK	1	13	21.35	21.35	20.91	22.0	0.0		
5	Pi2 BPSK	1	23	21.10	21.02	20.66				
5	Pi2 BPSK	12	0	21.27	21.06	20.97				
5	Pi2 BPSK	12	7	21.20	21.14	20.92	22.0	0.0		
5	Pi2 BPSK	12	13	21.28	21.05	20.78				
5	Pi2 BPSK	25	0	21.26	21.10	20.94	21.5	0.5		
5	QPSK	1	1	21.22	21.10	20.78				
5	QPSK	1	13	21.46	21.21	21.25	22.0	0.0		
5	QPSK	1	23	20.97	20.76	20.74				
5	QPSK	12	0	21.02	20.93	20.77	22.0	0.0		
5	QPSK	12	7	21.19	20.85	20.84				
5	QPSK	12	13	20.99	20.91	20.79				
5	QPSK	25	0	20.55	20.49	20.05	21.0	1.0		
5	16QAM	1	1	20.97	20.63	20.56				
5	16QAM	1	13	20.99	20.61	20.58	21.0	1.0		
5	16QAM	1	23	20.98	20.67	20.59				
5	16QAM	12	0	19.72	19.34	19.30				
5	16QAM	12	7	20.60	20.34	20.29	21.0	1.0		
5	16QAM	12	13	20.74	20.60	20.30				
5	16QAM	25	0	19.88	19.54	19.46	20.0	2.0		
5	64QAM	1	1	19.24	19.18	18.90				
5	64QAM	1	13	19.44	19.13	19.01	19.5	2.5		
5	64QAM	1	23	18.94	18.84	18.67				
5	64QAM	12	0	19.04	19.09	18.89				
5	64QAM	12	7	19.15	18.87	18.79	19.5	2.5		
5	64QAM	12	13	19.06	18.79	18.67				
5	64QAM	25	0	18.99	18.87	18.72	19.5	2.5		

n2 Ant 2 DSI 2&4&6&8&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				372000	376000	380000	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	Pi2 BPSK	1	1	23.74	23.72	23.62				
20	Pi2 BPSK	1	53	23.88	23.78	23.67	24.0	0.0		
20	Pi2 BPSK	1	104	23.82	23.61	23.38				
20	Pi2 BPSK	50	0	23.72	23.67	23.17				
20	Pi2 BPSK	50	28	23.77	23.65	23.85	24.0	0.0		
20	Pi2 BPSK	50	56	23.23	23.17	23.05				
20	Pi2 BPSK	100	0	23.27	23.18	23.13	23.5	0.5		
20	QPSK	1	1	23.67	23.73	23.38				
20	QPSK	1	53	23.78	23.69	23.66	24.0	0.0		
20	QPSK	1	104	23.43	23.54	23.26				
20	QPSK	50	0	22.49	22.50	22.18				
20	QPSK	50	28	23.50	23.58	23.32	24.0	0.0		
20	QPSK	50	56	22.41	22.44	22.18				
20	QPSK	100	0	22.45	22.43	22.10	23.0	1.0		
20	16QAM	1	1	22.09	22.01	21.75				
20	16QAM	1	43	21.99	22.01	21.93	23.0	1.0		
20	16QAM	1	104	21.80	21.91	21.59				
20	16QAM	50	0	21.54	21.58	21.40				
20	16QAM	50	28	22.54	22.58	22.20	23.0	1.0		
20	16QAM	50	56	21.86	21.95	21.66				
20	16QAM	100	0	21.34	21.45	21.15	22.0	2.0		
20	64QAM	1	1	21.07	20.84	20.78				
20	64QAM									

n25 Ant 2 DSI 2&4&6&3&5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
20	Pi2 BPSK	1	1	23.82	23.80	23.70			
20	Pi2 BPSK	1	53	23.96	23.93	23.75	24.0	0.0	
20	Pi2 BPSK	1	104	23.84	23.86	23.40			
20	Pi2 BPSK	50	0	23.33	23.37	23.22			
20	Pi2 BPSK	50	28	23.89	23.79	23.72	24.0	0.0	
20	Pi2 BPSK	50	56	23.38	23.29	23.09			
20	Pi2 BPSK	100	0	23.39	23.33	23.17	23.5	0.5	
20	QPSK	1	1	23.80	23.76	23.62			
20	QPSK	1	53	23.83	23.86	23.69	24.0	0.0	
20	QPSK	1	104	23.58	23.61	23.33			
20	QPSK	50	0	22.56	22.53	22.35			
20	QPSK	50	28	23.63	23.66	23.40	24.0	0.0	
20	QPSK	50	56	22.58	22.54	22.32			
20	QPSK	100	0	22.55	22.63	22.27	23.0	1.0	
20	16QAM	1	1	22.14	22.09	21.84			
20	16QAM	1	53	22.13	22.12	21.92	23.0	1.0	
20	16QAM	1	104	21.99	21.97	21.71			
20	16QAM	50	0	21.70	21.84	21.45			
20	16QAM	50	28	22.57	22.61	22.37	23.0	1.0	
20	16QAM	50	56	21.65	21.64	21.41			
20	16QAM	100	0	21.48	21.47	21.23	22.0	2.0	
20	64QAM	1	1	21.10	21.08	20.90			
20	64QAM	1	53	21.17	21.18	20.97	21.5	2.5	
20	64QAM	1	104	21.07	21.06	20.75			
20	64QAM	50	0	21.20	21.14	20.92			
20	64QAM	50	28	21.11	21.10	20.86	21.5	2.5	
20	64QAM	50	56	21.16	21.10	20.91			
20	64QAM	100	0	21.03	21.00	20.83	21.5	2.5	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
15	Pi2 BPSK	1	1	23.72	23.82	23.75			
15	Pi2 BPSK	1	40	23.79	23.75	23.80	24.0	0.0	
15	Pi2 BPSK	1	77	23.79	23.72	23.80			
15	Pi2 BPSK	36	0	23.73	23.76	23.76			
15	Pi2 BPSK	36	22	23.73	23.73	23.80	24.0	0.0	
15	Pi2 BPSK	36	43	23.78	23.77	23.74			
15	QPSK	1	1	23.78	23.73	23.19	23.5	0.5	
15	QPSK	1	40	23.76	23.74	23.57			
15	QPSK	1	77	23.79	23.77	23.55	24.0	0.0	
15	QPSK	36	0	23.75	23.74	23.53			
15	QPSK	36	22	23.59	23.54	23.38	24.0	0.0	
15	QPSK	36	43	22.57	22.52	22.28			
15	QPSK	75	0	22.57	22.53	22.37	23.0	1.0	
15	16QAM	1	1	21.01	20.98	20.92			
15	16QAM	1	40	22.02	22.01	21.84	23.0	1.0	
15	16QAM	1	77	22.02	22.03	21.87			
15	16QAM	36	0	21.54	21.54	21.38			
15	16QAM	36	22	21.55	21.54	21.31	23.0	1.0	
15	16QAM	36	43	21.46	21.45	21.30			
15	16QAM	75	0	21.46	21.47	21.30	22.0	2.0	
15	64QAM	1	1	21.14	21.09	20.87			
15	64QAM	1	40	21.13	21.08	20.86	21.5	2.5	
15	64QAM	1	77	20.99	21.00	20.81			
15	64QAM	36	0	21.00	21.04	20.84			
15	64QAM	36	22	20.95	20.97	20.77	21.5	2.5	
15	64QAM	36	43	20.88	20.86	20.82			
15	64QAM	75	0	21.03	20.99	20.81	21.5	2.5	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
10	Pi2 BPSK	1	1	19.55	19.50	19.10			
10	Pi2 BPSK	1	1	22.49	22.53	22.31	24.0	0.0	
10	Pi2 BPSK	1	26	23.59	23.61	23.45			
10	Pi2 BPSK	1	50	23.53	23.55	23.38			
10	Pi2 BPSK	25	0	23.10	23.07	22.86	24.0	0.0	
10	Pi2 BPSK	25	14	23.53	23.58	23.41			
10	Pi2 BPSK	25	27	23.05	23.08	22.94			
10	Pi2 BPSK	50	0	23.12	23.10	22.91	23.5	0.5	
10	QPSK	1	1	23.75	23.74	23.54			
10	QPSK	1	26	23.78	23.78	23.60	24.0	0.0	
10	QPSK	1	50	23.71	23.69	23.50			
10	QPSK	25	0	22.80	22.58	22.44			
10	QPSK	25	14	23.52	23.57	23.40	24.0	0.0	
10	QPSK	25	27	22.48	22.51	22.37			
10	QPSK	50	0	22.52	22.54	22.40	23.0	1.0	
10	16QAM	1	1	22.03	22.02	21.85			
10	16QAM	1	26	22.07	22.02	21.82	23.0	1.0	
10	16QAM	1	50	22.00	21.99	21.78			
10	16QAM	25	0	21.52	21.54	21.39			
10	16QAM	25	14	22.54	22.55	22.34	23.0	1.0	
10	16QAM	25	27	21.60	21.58	21.39			
10	16QAM	50	0	21.55	21.51	21.31			
10	64QAM	1	1	21.05	21.02	20.83			
10	64QAM	1	26	21.14	21.09	20.95	21.5	2.5	
10	64QAM	1	50	20.93	20.95	20.72			
10	64QAM	25	0	21.04	21.02	20.79			
10	64QAM	25	14	21.04	21.00	20.80	21.5	2.5	
10	64QAM	25	27	21.07	21.03	20.83			
10	64QAM	50	0	21.07	21.04	20.84	21.5	2.5	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
5	Pi2 BPSK	1	1	23.56	23.54	23.38			
5	Pi2 BPSK	1	13	23.63	23.64	23.49	24.0	0.0	
5	Pi2 BPSK	1	23	23.55	23.60	23.46			
5	Pi2 BPSK	12	0	23.05	23.02	22.79			
5	Pi2 BPSK	12	7	23.69	23.65	23.48	24.0	0.0	
5	Pi2 BPSK	12	13	23.10	23.13	22.91			
5	Pi2 BPSK	25	0	22.98	23.03	22.84	23.5	0.5	
5	QPSK	1	1	23.78	23.73	23.57			
5	QPSK	1	13	23.80	23.77	23.55	24.0	0.0	
5	QPSK	1	23	23.82	23.78	23.82			
5	QPSK	12	0	22.52	22.52	22.31	24.0	0.0	
5	QPSK	12	7	23.63	23.62	23.44			
5	QPSK	12	13	22.69	22.64	22.43			
5	QPSK	25	0	22.60	22.55	22.35	23.0	1.0	
5	16QAM	1	1	21.96	21.92	21.72			
5	16QAM	1	13	22.02	22.04	21.81	23.0	1.0	
5	16QAM	1	23	21.98	22.02	21.80			
5	16QAM	12	0	21.45	21.43	21.23			
5	16QAM	12	7	22.47	22.49	22.29	23.0	1.0	
5	16QAM	12	13	21.63	21.58	21.41			
5	16QAM	25	0	21.57	21.55	21.41	22.0	2.0	
5	64QAM	1	1	20.92	20.93	20.76			
5	64QAM	1	13	20.97	20.99	20.78	21.5	2.5	
5	64QAM	1	23	21.04	21.02	20.82			
5	64QAM	12	0	21.11	21.09	20.89			
5	64QAM	12	7	21.21	21.22	21.00	21.5	2.5	
5	64QAM	12	13	21.24	21.21	21.04			
5	64QAM	25	0	21.00	21.04	20.81	21.5	2.5	

n66 (only SCS15KHz has 5M BW) Ant 1 DSI 2&4&6&3&5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
20	Pi2 BPSK	1	1	22.61	22.58	22.47			
20	Pi2 BPSK	1	53	22.90	22.81	22.63	24.0	0.0	
20	Pi2 BPSK	1	104	22.44	22.52	22.45			
20	Pi2 BPSK	50	0	22.20	22.26	22.09			
20	Pi2 BPSK	50	28	22.53	22.48	22.45	24.0	0.0	
20	Pi2 BPSK	50	56	22.20	22.05	22.00			
20	Pi2 BPSK	100	0	21.51	21.55	21.61	23.5	0.5	
20	QPSK	1	1	22.38	22.42	22.25			
20	QPSK	1	53	22.48	22.55	22.44	24.0	0.0	
20	QPSK	1	104	22.28	22.35	22.17			
20	QPSK	50	0	22.23	22.29	22.14			
20	QPSK	50	28	22.32	22.32	22.20	24.0	0.0	
20	QPSK	50	56	22.26	22.25	22.10			
20	QPSK	100	0	21.27	21.29	21.11	23.0	1.0	
20	16QAM	1	1	21.89	21.89	21.57			
20	16QAM	1	53	21.85	21.82	21.71	23.0	1.0	
20	16QAM	1	104	21.61	21.59	21.48			
20	16QAM	50	0	21.27	21.31	21.19			
20	16QAM	50	28	21.32	21.32	21.20	23.0	1.0	
20	16QAM	50	56	20.92	20.90	20.82			
20	16QAM	100	0	20.25	20.25	20.12	22.0	2.0	
20	64QAM	1	1	19.85	19.88	19.73			
20	64QAM	1	53	19.87	19.90	19.75	21.5	2.5	
20	64QAM	1	104	19.80	19.83	19.69			
20	64QAM	50	0	19.79	19.86	19.68			
20	64QAM	50	28	19.71	19.75	19.65	21.5	2.5	
20	64QAM	50	56	19.77	19.79	19.66			
20	64QAM	100	0	19.72	19.79	19.63	21.5	2.5	
				Channel Frequency (MHz)			Time-up limit (dBm)	MPR (dB)	
15	Pi2 BPSK	1	1	22.80	22.80	22.51			
15	Pi2 BPSK	1	40	22.87	22.59	22.67	24.0	0.0	
15	Pi2 BPSK	1	77	22.41	22.47	22.50			
15	Pi2 BPSK	36	0	22.45	22.44	22.34			
15	Pi2 BPSK	36	22	22.49	22.48	22.48	24.0	0.0	
15	Pi2 BPSK	36	43						

n71 (only SCS15KHz has 5M BW) Ant 1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				673	680.5	688				
20	Pi2 BPSK	1	1	24.74	24.56	24.42				
20	Pi2 BPSK	1	53	24.43	24.32	24.18	25.0	0.0		
20	Pi2 BPSK	1	104	24.33	24.12	24.01				
20	Pi2 BPSK	0	0	24.45	24.38	24.22				
20	Pi2 BPSK	50	28	24.34	24.28	24.12	25.0	0.0		
20	Pi2 BPSK	50	56	24.31	24.11	24.03				
20	Pi2 BPSK	100	0	23.64	24.23	24.09	24.5	0.5		
20	QPSK	1	1	24.55	24.43	24.37				
20	QPSK	1	53	24.38	24.21	24.09	25.0	0.0		
20	QPSK	1	104	24.19	24.00	23.91				
20	QPSK	50	0	24.46	24.29	24.23				
20	QPSK	50	28	24.29	24.18	24.12	25.0	0.0		
20	QPSK	50	56	24.16	24.04	23.89				
20	QPSK	100	0	23.46	23.28	23.16	24.0	1.0		
20	16QAM	1	1	24.00	23.84	23.73				
20	16QAM	1	53	23.80	23.61	23.54	24.0	1.0		
20	16QAM	1	104	23.62	23.46	23.41				
20	16QAM	50	0	23.64	23.48	23.34				
20	16QAM	50	28	23.53	23.35	23.20	24.0	1.0		
20	16QAM	50	56	23.42	23.24	23.12				
20	16QAM	100	0	22.36	22.20	22.05	23.0	2.0		
20	64QAM	1	1	22.47	22.36	22.29				
20	64QAM	1	53	22.43	22.27	22.22	22.5	2.5		
20	64QAM	1	104	22.27	22.07	21.96				
20	64QAM	50	0	22.44	22.30	22.21				
20	64QAM	50	28	22.37	22.25	22.17	22.5	2.5		
20	64QAM	50	56	22.24	22.06	22.01				
20	64QAM	100	0	22.27	22.17	22.09	22.5	2.5		
Channel				134100	135100	136100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	Pi2 BPSK	1	1	24.70	24.59	24.39				
15	Pi2 BPSK	1	40	24.36	24.30	24.15	25.0	0.0		
15	Pi2 BPSK	1	77	24.26	24.14	24.05				
15	Pi2 BPSK	36	0	24.43	24.38	24.22				
15	Pi2 BPSK	36	22	24.26	24.26	24.11	25.0	0.0		
15	Pi2 BPSK	36	43	24.23	24.13	24.06				
15	Pi2 BPSK	50	0	23.64	24.24	24.10	24.5	0.5		
15	Pi2 BPSK	1	1	24.49	24.43	24.35				
15	Pi2 BPSK	1	40	24.34	24.20	24.04	25.0	0.0		
15	Pi2 BPSK	1	77	24.16	24.01	23.95				
15	Pi2 BPSK	36	0	24.42	24.24	24.21				
15	Pi2 BPSK	36	22	24.26	24.13	24.12	25.0	0.0		
15	Pi2 BPSK	36	43	24.11	24.03	23.87				
15	Pi2 BPSK	75	0	23.45	23.24	23.17	24.0	1.0		
15	16QAM	1	1	23.96	23.81	23.71				
15	16QAM	1	40	23.80	23.64	23.52	24.0	1.0		
15	16QAM	1	77	23.55	23.41	23.37				
15	16QAM	36	0	23.54	23.51	23.29				
15	16QAM	36	22	23.45	23.40	23.19	24.0	1.0		
15	16QAM	36	43	23.26	23.23	23.10				
15	16QAM	75	0	22.52	22.42	22.24	23.0	2.0		
15	64QAM	1	1	22.37	22.31	22.14				
15	64QAM	1	40	22.28	22.12	22.16	22.5	2.5		
15	64QAM	1	77	22.13	21.97	21.89				
15	64QAM	36	0	22.24	22.17	22.11				
15	64QAM	36	22	22.17	22.20	22.08	22.5	2.5		
15	64QAM	36	43	22.06	22.01	21.86				
15	64QAM	75	0	22.08	22.11	21.94	22.5	2.5		
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				673	680.5	693				
10	Pi2 BPSK	1	1	24.70	24.62	24.44				
10	Pi2 BPSK	1	26	24.37	24.34	24.14	25.0	0.0		
10	Pi2 BPSK	1	50	24.28	24.09	24.03				
10	Pi2 BPSK	25	0	24.43	24.42	24.25				
10	Pi2 BPSK	25	14	24.26	24.24	24.08	25.0	0.0		
10	Pi2 BPSK	25	27	24.27	24.17	24.10				
10	Pi2 BPSK	50	0	23.68	24.19	24.09	24.5	0.5		
10	QPSK	1	1	24.46	24.44	24.32				
10	QPSK	1	26	24.33	24.25	24.03	25.0	0.0		
10	QPSK	1	50	24.13	23.98	23.92				
10	QPSK	25	0	24.40	24.20	24.20				
10	QPSK	25	14	24.27	24.12	24.14	25.0	0.0		
10	QPSK	25	27	24.12	24.03	23.86				
10	QPSK	50	0	23.93	23.74	23.69	24.0	1.0		
10	16QAM	1	1	23.94	23.83	23.70				
10	16QAM	1	26	23.83	23.69	23.54	24.0	1.0		
10	16QAM	1	50	23.55	23.38	23.33				
10	16QAM	25	0	23.48	23.47	23.31				
10	16QAM	25	14	23.53	23.43	23.16	24.0	1.0		
10	16QAM	25	27	23.31	23.21	23.11				
10	16QAM	50	0	22.92	22.86	22.64	23.0	2.0		
10	64QAM	1	1	22.46	22.38	22.22				
10	64QAM	1	26	22.36	22.17	22.29	22.5	2.5		
10	64QAM	1	50	22.25	22.04	21.98				
10	64QAM	25	0	22.30	22.23	22.18				
10	64QAM	25	14	22.26	22.36	22.17	22.5	2.5		
10	64QAM	25	27	22.13	22.10	21.93				
10	64QAM	50	0	22.20	22.22	22.01	22.5	2.5		
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				675.5	680.5	685.5				
5	Pi2 BPSK	1	1	24.68	24.62	24.37				
5	Pi2 BPSK	1	13	24.33	24.31	24.11	25.0	0.0		
5	Pi2 BPSK	1	23	24.22	24.14	24.06				
5	Pi2 BPSK	12	0	24.39	24.43	24.20				
5	Pi2 BPSK	12	7	24.26	24.27	24.13	25.0	0.0		
5	Pi2 BPSK	12	13	24.20	24.15	24.02				
5	Pi2 BPSK	25	0	23.68	24.20	24.09	24.5	0.5		
5	QPSK	1	1	24.49	24.46	24.32				
5	QPSK	1	13	24.33	24.23	24.09	25.0	0.0		
5	QPSK	1	23	24.18	23.98	23.97				
5	QPSK	12	0	24.44	24.29	24.25				
5	QPSK	12	7	24.33	24.16	24.12	25.0	0.0		
5	QPSK	12	13	24.06	24.06	23.83				
5	QPSK	25	0	23.99	23.77	23.75	24.0	1.0		
5	16QAM	1	1	23.92	23.71	23.61				
5	16QAM	1	13	23.75	23.57	23.46	24.0	1.0		
5	16QAM	1	23	23.51	23.36	23.31				
5	16QAM	12	0	23.47	23.51	23.24				
5	16QAM	12	7	23.41	23.30	23.13	24.0	1.0		
5	16QAM	12	13	23.25	23.13	23.08				
5	16QAM	25	0	22.81	22.73	22.56	23.0	2.0		
5	64QAM	1	1	22.71	22.63	22.46				
5	64QAM	1	13	22.40	22.33	22.19	22.5	2.5		
5	64QAM	1	23	22.28	22.15	22.15				
5	64QAM	12	0	22.15	22.01	21.87				
5	64QAM	12	7	22.22	22.19	22.13	22.5	2.5		
5	64QAM	12	13	22.20	22.17	22.07				
5	64QAM	25	0	22.08	22.04	21.83	22.5	2.5		

n71 (only SCS15KHz has 5M BW)Ant 2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				673	680.5	688				
20	Pi2 BPSK	1	1	23.95	23.80	23.72				
20	Pi2 BPSK	1	53	23.69	23.60	23.41	24.0	0.0		
20	Pi2 BPSK	1	104	23.57	23.43	23.19				
20	Pi2 BPSK	50	0	23.25	23.18	22.93				
20	Pi2 BPSK	50	28	23.59	23.57	23.34	24.0	0.0		
20	Pi2 BPSK	50	56	23.36	23.22	22.72				
20	Pi2 BPSK	100	0	23.13	23.03	22.83	23.5	0.5		
20	QPSK	1	1	23.84	23.54	23.43				
20	QPSK	1	53	23.47	23.39	23.23	24.0	0.0		
20	QPSK	1	104	23.24	23.20	23.01				
20	QPSK	50	0	23.59	23.47	23.32				
20	QPSK	50	28	23.50	23.40	23.23	24.0	0.0		
20	QPSK	50	56	23.29	23.25	23.09				
20	QPSK	100	0	22.46	22.40	22.25	23.0	1.0		
20	16QAM	1	1	22.87	22.62	22.64				
20	16QAM	1	53	22.80	22.50	22.36	23.0	1.0		
20	16QAM	1	104	22.60	22.50	22.34				
20	16QAM	50	0	22.46	22.41	22.23				
20	16QAM	50	28	22.50	22.37	22.20	23.0	1.0		
20	16QAM	50	56	22.36	22.26	22.10				
20	16QAM	100	0	21.43	21.32	21.14	22.0	2.0		
20	64QAM	1	1	21.48	21.36	21.24				
20	64QAM	1	53	21.13	21.09	20.91	21.5	2.5		
20</										



n41 for FCC_Ant 2 DSI 2&4&6&PC2 DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.72	23.77			
100	PI/2 BPSK	1	271	23.36	23.77	23.70	24.0	0.0	
100	PI/2 BPSK	135	0	23.27	23.19	23.62			
100	PI/2 BPSK	135	69	23.21	23.73	23.52	23.5	0.5	
100	PI/2 BPSK	135	138	23.14	23.25	23.52			
100	PI/2 BPSK	270	0	23.13	23.28	23.47	24.0	0.0	
100	QPSK	1	1	23.32	23.81	23.75			
100	QPSK	1	137	23.40	23.83	23.67	24.0	0.0	
100	QPSK	1	271	23.31	23.85	23.60			
100	QPSK	135	0	23.19	22.56	23.60	24.0	0.0	
100	QPSK	135	69	23.20	23.74	23.49			
100	QPSK	135	138	23.07	22.72	22.81	23.0	1.0	
100	QPSK	270	0	22.51	22.63	22.71			
100	16QAM	1	1	22.97	22.88	22.65	23.0	1.0	
100	16QAM	1	137	22.83	22.83	22.56			
100	16QAM	1	271	22.87	22.71	22.59	23.0	1.0	
100	16QAM	135	0	22.90	22.73	22.48			
100	16QAM	135	69	22.90	22.81	22.55	22.0	2.0	
100	16QAM	135	138	22.96	22.85	22.55			
100	16QAM	270	0	21.97	21.76	21.46	21.5	2.5	
100	64QAM	1	1	21.08	21.37	21.15			
100	64QAM	1	137	20.99	21.25	21.02	21.5	2.5	
100	64QAM	1	271	21.01	21.33	21.13			
100	64QAM	135	0	21.07	21.34	21.00	21.5	2.5	
100	64QAM	135	69	21.07	21.17	20.97			
100	64QAM	135	138	20.99	21.25	21.06	21.5	2.5	
100	64QAM	270	0	20.98	21.24	20.85			
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	23.47	23.80	23.83	24.0	0.0	
90	PI/2 BPSK	1	120	23.33	23.79	23.75			
90	PI/2 BPSK	1	243	23.39	23.69	23.67	24.0	0.0	
90	PI/2 BPSK	120	0	23.47	23.79	23.81			
90	PI/2 BPSK	120	60	23.34	23.60	23.76	23.5	0.5	
90	PI/2 BPSK	120	120	23.32	23.65	23.71			
90	PI/2 BPSK	240	0	22.77	23.29	23.14	24.0	0.0	
90	QPSK	1	1	23.49	23.77	23.75			
90	QPSK	1	120	23.47	23.68	23.60	24.0	0.0	
90	QPSK	1	243	23.44	23.67	23.66			
90	QPSK	120	0	23.34	23.62	23.75	23.0	1.0	
90	QPSK	120	60	23.29	23.59	23.72			
90	QPSK	120	120	23.33	23.69	23.59	23.0	1.0	
90	QPSK	240	0	22.41	22.65	22.53			
90	16QAM	1	1	22.81	22.90	22.72	23.0	1.0	
90	16QAM	1	120	22.69	22.83	22.58			
90	16QAM	1	243	22.74	22.88	22.70	23.0	1.0	
90	16QAM	120	0	22.81	22.70	22.68			
90	16QAM	120	60	22.80	22.86	22.55	22.0	2.0	
90	16QAM	120	120	22.81	22.71	22.71			
90	16QAM	240	0	21.51	21.76	21.54	21.5	2.5	
90	64QAM	1	1	21.19	21.38	21.21			
90	64QAM	1	120	21.19	21.18	21.21	21.5	2.5	
90	64QAM	1	243	21.05	21.20	21.14			
90	64QAM	120	0	21.02	21.32	21.14	21.5	2.5	
90	64QAM	120	60	21.15	21.23	21.08			
90	64QAM	120	120	21.11	21.28	21.17	21.5	2.5	
90	64QAM	240	0	21.01	21.05	21.02			
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.46	23.72	23.77	24.0	0.0	
80	PI/2 BPSK	1	109	23.43	23.67	23.73			
80	PI/2 BPSK	1	215	23.31	23.54	23.69	24.0	0.0	
80	PI/2 BPSK	108	0	23.41	23.56	23.57			
80	PI/2 BPSK	108	55	23.41	23.53	23.63	23.5	0.5	
80	PI/2 BPSK	108	109	23.40	23.56	23.65			
80	PI/2 BPSK	216	0	22.82	23.11	23.12	24.0	0.0	
80	QPSK	1	1	23.47	23.70	23.73			
80	QPSK	1	109	23.47	23.66	23.64	24.0	0.0	
80	QPSK	1	215	23.37	23.52	23.62			
80	QPSK	108	0	23.42	23.66	23.53	24.0	0.0	
80	QPSK	108	55	23.47	23.58	23.73			
80	QPSK	108	109	23.30	23.59	23.63	23.0	1.0	
80	QPSK	216	0	22.44	22.48	22.53			
80	16QAM	1	1	22.88	22.92	22.87	23.0	1.0	
80	16QAM	1	109	22.79	22.78	22.76			
80	16QAM	1	215	22.78	22.80	22.76	23.0	1.0	
80	16QAM	108	0	22.83	22.77	22.70			
80	16QAM	108	55	22.74	22.77	22.84	22.0	2.0	
80	16QAM	108	109	22.83	22.92	22.78			
80	16QAM	216	0	21.62	21.70	21.58	21.5	2.5	
80	64QAM	1	1	21.04	21.42	21.38			
80	64QAM	1	109	20.95	21.35	21.23	21.5	2.5	
80	64QAM	1	215	21.00	21.31	21.22			
80	64QAM	108	0	21.03	21.31	21.19	21.5	2.5	
80	64QAM	108	55	21.02	21.34	21.28			
80	64QAM	108	109	20.85	21.33	21.27	21.5	2.5	
80	64QAM	216	0	20.77	21.19	21.16			



Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	23.37	23.62	23.73	24.0	0.0
60	PI/2 BPSK	1	81	23.37	23.51	23.63		
60	PI/2 BPSK	1	160	23.24	23.42	23.72		
60	PI/2 BPSK	81	0	23.26	23.51	23.59	24.0	0.0
60	PI/2 BPSK	81	42	23.29	23.54	23.56		
60	PI/2 BPSK	81	81	23.20	23.50	23.61		
60	PI/2 BPSK	162	0	22.79	22.98	23.10	23.5	0.5
60	QPSK	1	1	23.37	23.59	23.64	24.0	0.0
60	QPSK	1	81	23.27	23.52	23.64		
60	QPSK	1	160	23.31	23.57	23.54		
60	QPSK	81	0	23.29	23.41	23.63	24.0	0.0
60	QPSK	81	42	23.18	23.47	23.60		
60	QPSK	81	81	23.19	23.55	23.60		
60	QPSK	162	0	22.10	22.35	22.54	23.0	1.0
60	16QAM	1	1	22.68	22.73	22.71	23.0	1.0
60	16QAM	1	81	22.67	22.65	22.68		
60	16QAM	1	160	22.67	22.73	22.70		
60	16QAM	81	0	22.49	22.64	22.53	23.0	1.0
60	16QAM	81	42	22.48	22.66	22.65		
60	16QAM	81	81	22.51	22.65	22.68		
60	16QAM	162	0	21.63	21.63	21.48	22.0	2.0
60	64QAM	1	1	21.35	21.22	21.28	21.5	2.5
60	64QAM	1	81	21.33	21.22	21.19		
60	64QAM	1	160	21.34	21.11	21.24		
60	64QAM	81	0	21.20	21.06	21.25	21.5	2.5
60	64QAM	81	42	21.16	21.07	21.21		
60	64QAM	81	81	21.25	21.18	21.21		
60	64QAM	162	0	21.18	21.08	21.17	21.5	2.5
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.48	23.55	23.73	24.0	0.0
50	PI/2 BPSK	1	67	23.32	23.50	23.62		
50	PI/2 BPSK	1	131	23.45	23.50	23.54		
50	PI/2 BPSK	64	0	23.43	23.53	23.57	24.0	0.0
50	PI/2 BPSK	64	35	23.34	23.43	23.59		
50	PI/2 BPSK	64	69	23.38	23.48	23.59		
50	PI/2 BPSK	128	0	22.63	22.98	23.08	23.5	0.5
50	QPSK	1	1	23.53	23.60	23.64	24.0	0.0
50	QPSK	1	67	23.49	23.47	23.62		
50	QPSK	1	131	23.37	23.44	23.53		
50	QPSK	64	0	23.49	23.41	23.50	24.0	0.0
50	QPSK	64	35	23.46	23.59	23.63		
50	QPSK	64	69	23.34	23.45	23.59		
50	QPSK	128	0	22.29	22.35	22.61	23.0	1.0
50	16QAM	1	1	22.46	22.78	22.58	23.0	1.0
50	16QAM	1	67	22.30	22.59	22.38		
50	16QAM	1	131	22.26	22.58	22.55		
50	16QAM	64	0	22.35	22.74	22.57	23.0	1.0
50	16QAM	64	35	22.31	22.70	22.45		
50	16QAM	64	69	22.34	22.74	22.58		
50	16QAM	128	0	21.13	21.43	21.24	22.0	2.0
50	64QAM	1	1	21.08	21.22	21.31	21.5	2.5
50	64QAM	1	67	21.04	21.19	21.20		
50	64QAM	1	131	20.88	21.15	21.26		
50	64QAM	64	0	21.00	21.19	21.11	21.5	2.5
50	64QAM	64	35	21.01	21.13	21.16		
50	64QAM	64	69	20.93	21.07	21.23		
50	64QAM	128	0	20.99	21.09	21.03	21.5	2.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.79	24.05	24.07	24.0	0.0
40	PI/2 BPSK	1	53	23.63	24.04	23.89		
40	PI/2 BPSK	1	104	23.66	23.99	23.93		
40	PI/2 BPSK	50	0	23.62	23.99	23.99	24.0	0.0
40	PI/2 BPSK	50	28	23.69	23.93	24.05		
40	PI/2 BPSK	50	56	23.66	23.90	23.92		
40	PI/2 BPSK	100	0	23.00	23.41	23.36	23.5	0.5
40	QPSK	1	1	23.82	23.99	23.95	24.0	0.0
40	QPSK	1	53	23.70	23.99	23.79		
40	QPSK	1	104	23.77	23.90	23.80		
40	QPSK	50	0	23.68	23.85	23.81	24.0	0.0
40	QPSK	50	28	23.68	23.89	23.84		
40	QPSK	50	56	23.72	23.81	23.87		
40	QPSK	100	0	22.68	22.81	22.60	23.0	1.0
40	16QAM	1	1	22.75	22.88	22.76	23.0	1.0
40	16QAM	1	53	22.56	22.80	22.59		
40	16QAM	1	104	22.65	22.71	22.66		
40	16QAM	50	0	22.61	22.85	22.61	23.0	1.0
40	16QAM	50	28	22.62	22.85	22.68		
40	16QAM	50	56	22.71	22.82	22.64		
40	16QAM	100	0	21.48	21.72	21.49	22.0	2.0
40	64QAM	1	1	21.24	21.45	21.31	21.5	2.5
40	64QAM	1	53	21.22	21.30	21.15		
40	64QAM	1	104	21.16	21.39	21.26		
40	64QAM	50	0	21.08	21.43	21.29	21.5	2.5
40	64QAM	50	28	21.05	21.31	21.24		
40	64QAM	50	56	21.04	21.37	21.28		
40	64QAM	100	0	21.09	21.22	21.12	21.5	2.5



Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.48	23.81	23.56	24.0	0.0
20	PI/2 BPSK	1	26	23.28	23.62	23.37		
20	PI/2 BPSK	1	49	23.30	23.68	23.51		
20	PI/2 BPSK	25	0	23.46	23.61	23.37	24.0	0.0
20	PI/2 BPSK	25	13	23.37	23.73	23.36		
20	PI/2 BPSK	25	26	23.40	23.65	23.39		
20	PI/2 BPSK	50	0	22.75	23.09	22.85	23.5	0.5
20	QPSK	1	1	23.68	23.75	23.59	24.0	0.0
20	QPSK	1	26	23.58	23.72	23.47		
20	QPSK	1	49	23.54	23.61	23.59		
20	QPSK	25	0	23.59	23.56	23.45	24.0	0.0
20	QPSK	25	13	23.66	23.68	23.49		
20	QPSK	25	26	23.62	23.58	23.45		
20	QPSK	50	0	22.53	22.71	22.29	23.0	1.0
20	16QAM	1	1	22.74	22.88	22.78	23.0	1.0
20	16QAM	1	26	22.72	22.86	22.74		
20	16QAM	1	49	22.65	22.76	22.64		
20	16QAM	25	0	22.60	22.83	22.62	23.0	1.0
20	16QAM	25	13	22.61	22.84	22.61		
20	16QAM	25	26	22.57	22.83	22.62		
20	16QAM	50	0	21.70	21.86	21.66	22.0	2.0
20	64QAM	1	1	21.19	21.43	21.33	21.5	2.5
20	64QAM	1	26	21.11	21.35	21.23		
20	64QAM	1	49	21.12	21.42	21.17		
20	64QAM	25	0	21.00	21.38	21.14	21.5	2.5
20	64QAM	25	13	21.01	21.33	21.16		
20	64QAM	25	26	21.07	21.28	21.18		
20	64QAM	50	0	21.08	21.19	21.22	21.5	2.5



n41 for FCC_Ant 2 PC2/PC3 DSI 3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				507202	518598	529998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.24	18.37	18.23	18.7	0.0	
100	PI/2 BPSK	1	137	18.16	18.24	18.01			
100	PI/2 BPSK	1	271	18.26	18.29	18.05	18.7	0.0	
100	PI/2 BPSK	135	0	18.15	18.32	18.06			
100	PI/2 BPSK	135	69	18.28	18.31	18.12	18.7	0.0	
100	PI/2 BPSK	135	138	18.26	18.30	18.10			
100	PI/2 BPSK	270	0	18.31	18.35	18.13	18.7	0.0	
100	QPSK	1	1	18.22	18.34	18.11	18.7	0.0	
100	QPSK	1	137	18.24	18.27	18.13			
100	QPSK	1	271	18.32	18.36	18.16	18.7	0.0	
100	QPSK	135	0	18.24	18.28	18.07			
100	QPSK	135	69	18.19	18.23	17.99	18.7	0.0	
100	QPSK	135	138	18.51	18.58	18.44			
100	QPSK	270	0	18.30	18.35	18.18	18.7	0.0	
100	16QAM	1	1	18.25	18.30	18.07	18.7	0.0	
100	16QAM	1	137	18.17	18.23	18.07			
100	16QAM	1	271	18.19	18.32	18.10	18.7	0.0	
100	16QAM	135	0	18.13	18.22	17.98			
100	16QAM	135	69	18.21	18.24	18.06	18.7	0.0	
100	16QAM	135	138	18.29	18.41	18.18			
100	16QAM	270	0	18.10	18.22	18.04	18.7	0.0	
100	64QAM	1	1	18.19	18.27	18.09	18.7	0.0	
100	64QAM	1	137	18.08	18.18	18.01			
100	64QAM	1	271	18.26	18.29	18.09	18.7	0.0	
100	64QAM	135	0	18.18	18.25	18.11			
100	64QAM	135	69	18.15	18.27	18.11	18.7	0.0	
100	64QAM	135	138	18.31	18.35	18.11			
100	64QAM	270	0	18.05	18.13	17.97	18.7	0.0	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.25	18.24	18.05	18.7	0.0	
90	PI/2 BPSK	1	120	18.20	18.20	18.00			
90	PI/2 BPSK	1	243	18.27	18.32	18.18	18.7	0.0	
90	PI/2 BPSK	120	0	18.17	18.14	17.98			
90	PI/2 BPSK	120	60	18.27	18.24	18.08	18.7	0.0	
90	PI/2 BPSK	120	120	18.19	18.29	18.06			
90	PI/2 BPSK	240	0	18.31	18.29	18.11	18.7	0.0	
90	QPSK	1	1	18.22	18.25	18.14	18.7	0.0	
90	QPSK	1	120	18.14	18.24	18.04			
90	QPSK	1	243	18.27	18.28	18.20	18.7	0.0	
90	QPSK	120	0	18.16	18.21	18.09			
90	QPSK	120	60	18.14	18.15	18.05	18.7	0.0	
90	QPSK	120	120	18.52	18.52	18.34			
90	QPSK	240	0	18.25	18.28	18.12	18.7	0.0	
90	16QAM	1	1	18.26	18.29	18.06	18.7	0.0	
90	16QAM	1	120	18.17	18.20	18.09			
90	16QAM	1	243	18.28	18.29	18.13	18.7	0.0	
90	16QAM	120	0	18.12	18.21	18.06			
90	16QAM	120	60	18.12	18.23	18.03	18.7	0.0	
90	16QAM	120	120	18.34	18.39	18.19			
90	16QAM	240	0	18.11	18.21	17.98	18.7	0.0	
90	64QAM	1	1	18.24	18.25	18.07	18.7	0.0	
90	64QAM	1	120	18.15	18.15	17.96			
90	64QAM	1	243	18.17	18.27	18.13	18.7	0.0	
90	64QAM	120	0	18.20	18.17	18.11			
90	64QAM	120	60	18.24	18.21	18.05	18.7	0.0	
90	64QAM	120	120	18.28	18.30	18.17			
90	64QAM	240	0	18.04	18.09	17.91	18.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	PI/2 BPSK	1	1	18.21	18.24	17.97	18.7	0.0	
80	PI/2 BPSK	1	109	18.14	18.20	17.91			
80	PI/2 BPSK	1	215	18.17	18.24	18.11	18.7	0.0	
80	PI/2 BPSK	108	0	18.16	18.10	17.94			
80	PI/2 BPSK	108	55	18.17	18.17	18.02	18.7	0.0	
80	PI/2 BPSK	108	109	18.16	18.23	18.02			
80	PI/2 BPSK	216	0	18.28	18.28	18.10	18.7	0.0	
80	QPSK	1	1	18.18	18.21	18.10	18.7	0.0	
80	QPSK	1	109	18.06	18.18	18.01			
80	QPSK	1	215	18.21	18.22	18.11	18.7	0.0	
80	QPSK	108	0	18.06	18.18	18.02			
80	QPSK	108	55	18.08	18.12	17.97	18.7	0.0	
80	QPSK	108	109	18.45	18.49	18.30			
80	QPSK	216	0	18.23	18.28	18.08	18.7	0.0	
80	16QAM	1	1	18.16	18.28	18.02	18.7	0.0	
80	16QAM	1	109	18.10	18.10	18.03			
80	16QAM	1	215	18.27	18.24	18.11	18.7	0.0	
80	16QAM	108	0	18.10	18.13	18.03			
80	16QAM	108	55	18.04	18.21	18.00	18.7	0.0	
80	16QAM	108	109	18.34	18.34	18.18			
80	16QAM	216	0	18.09	18.16	17.91	18.7	0.0	
80	64QAM	1	1	18.15	18.15	18.05	18.7	0.0	
80	64QAM	1	109	18.12	18.10	17.88			
80	64QAM	1	215	18.16	18.27	18.11	18.7	0.0	
80	64QAM	108	0	18.14	18.11	18.07			
80	64QAM	108	55	18.23	18.13	18.05	18.7	0.0	
80	64QAM	108	109	18.22	18.28	18.07			
80	64QAM	216	0	17.97	18.09	17.91	18.7	0.0	



Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.13	18.23	17.89	18.7	0.0
60	PI/2 BPSK	1	81	18.10	18.13	17.83		
60	PI/2 BPSK	1	160	18.12	18.15	18.11		
60	PI/2 BPSK	81	0	18.10	18.01	17.94	18.7	0.0
60	PI/2 BPSK	81	42	18.14	18.16	18.01		
60	PI/2 BPSK	81	81	18.10	18.20	18.01		
60	PI/2 BPSK	162	0	18.18	18.22	18.07	18.7	0.0
60	QPSK	1	1	18.13	18.16	18.02	18.7	0.0
60	QPSK	1	81	18.04	18.10	17.91		
60	QPSK	1	160	18.18	18.16	18.11		
60	QPSK	81	0	17.97	18.16	17.97	18.7	0.0
60	QPSK	81	42	18.07	18.04	17.96		
60	QPSK	81	81	18.44	18.41	18.28		
60	QPSK	162	0	18.19	18.20	17.98	18.7	0.0
60	16QAM	1	1	18.12	18.24	17.97	18.7	0.0
60	16QAM	1	81	18.00	18.10	17.93		
60	16QAM	1	160	18.21	18.20	18.11		
60	16QAM	81	0	18.08	18.10	17.94	18.7	0.0
60	16QAM	81	42	17.97	18.21	17.92		
60	16QAM	81	81	18.31	18.30	18.10		
60	16QAM	162	0	17.96	18.16	17.83	18.7	0.0
60	64QAM	1	1	18.07	18.11	18.05	18.7	0.0
60	64QAM	1	81	18.07	18.02	17.88		
60	64QAM	1	160	18.13	18.25	18.07		
60	64QAM	81	0	18.10	18.01	18.00	18.7	0.0
60	64QAM	81	42	18.18	18.12	17.96		
60	64QAM	81	81	18.18	18.25	18.06		
60	64QAM	162	0	17.88	18.01	17.83	18.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.13	18.13	17.79	18.7	0.0
50	PI/2 BPSK	1	67	18.08	18.07	17.74		
50	PI/2 BPSK	1	131	18.12	18.13	18.09		
50	PI/2 BPSK	64	0	18.07	17.96	17.83	18.7	0.0
50	PI/2 BPSK	64	35	18.06	18.08	17.96		
50	PI/2 BPSK	64	69	18.07	18.13	17.98		
50	PI/2 BPSK	128	0	18.16	18.15	18.07	18.7	0.0
50	QPSK	1	1	18.08	18.10	17.98	18.7	0.0
50	QPSK	1	67	18.03	18.05	17.82		
50	QPSK	1	131	18.14	18.16	18.07		
50	QPSK	64	0	17.91	18.09	17.88	18.7	0.0
50	QPSK	64	35	18.01	18.04	17.86		
50	QPSK	64	69	18.38	18.37	18.23		
50	QPSK	128	0	18.10	18.18	17.89	18.7	0.0
50	16QAM	1	1	18.06	18.15	17.92	18.7	0.0
50	16QAM	1	67	17.94	18.07	17.90		
50	16QAM	1	131	18.14	18.15	18.02		
50	16QAM	64	0	18.00	18.03	17.93	18.7	0.0
50	16QAM	64	35	17.93	18.12	17.90		
50	16QAM	64	69	18.22	18.25	18.07		
50	16QAM	128	0	17.97	18.08	17.76	18.7	0.0
50	64QAM	1	1	18.01	18.02	17.95	18.7	0.0
50	64QAM	1	67	18.07	17.92	17.87		
50	64QAM	1	131	18.07	18.17	18.01		
50	64QAM	64	0	18.00	17.92	17.91	18.7	0.0
50	64QAM	64	35	18.14	18.04	17.87		
50	64QAM	64	69	18.15	18.22	18.04		
50	64QAM	128	0	17.81	17.96	17.78	18.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.12	18.05	17.79	18.7	0.0
40	PI/2 BPSK	1	53	18.07	17.99	17.74		
40	PI/2 BPSK	1	104	18.10	18.08	18.02		
40	PI/2 BPSK	50	0	18.00	17.93	17.87	18.7	0.0
40	PI/2 BPSK	50	28	18.05	18.04	17.87		
40	PI/2 BPSK	50	56	18.01	18.04	17.96		
40	PI/2 BPSK	100	0	18.12	18.07	17.99	18.7	0.0
40	QPSK	1	1	17.98	18.08	17.90	18.7	0.0
40	QPSK	1	53	18.01	18.05	17.82		
40	QPSK	1	104	18.11	18.11	18.01		
40	QPSK	50	0	17.84	18.04	17.86	18.7	0.0
40	QPSK	50	28	17.97	17.95	17.76		
40	QPSK	50	56	18.28	18.35	18.15		
40	QPSK	100	0	18.00	18.08	17.83	18.7	0.0
40	16QAM	1	1	17.97	18.12	17.92	18.7	0.0
40	16QAM	1	53	17.86	18.00	17.83		
40	16QAM	1	104	18.10	18.14	17.98		
40	16QAM	50	0	17.96	18.01	17.90	18.7	0.0
40	16QAM	50	28	17.84	18.12	17.89		
40	16QAM	50	56	18.17	18.18	17.98		
40	16QAM	100	0	17.82	18.08	17.75	18.7	0.0
40	64QAM	1	1	17.95	18.01	17.93	18.7	0.0
40	64QAM	1	53	18.01	17.83	17.87		
40	64QAM	1	104	18.02	18.08	17.91		
40	64QAM	50	0	17.95	17.84	17.91	18.7	0.0
40	64QAM	50	28	18.11	17.96	17.86		
40	64QAM	50	56	18.09	18.19	17.97		
40	64QAM	100	0	17.76	17.94	17.71	18.7	0.0



Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.22	17.93	18.28	18.7	0.0
20	PI/2 BPSK	1	26	18.16	17.81	18.23		
20	PI/2 BPSK	1	49	18.16	17.82	18.27		
20	PI/2 BPSK	25	0	18.15	17.84	18.24	18.7	0.0
20	PI/2 BPSK	25	13	18.15	17.74	18.09		
20	PI/2 BPSK	25	26	18.14	17.82	18.22		
20	PI/2 BPSK	50	0	18.13	17.80	18.12	18.7	0.0
20	QPSK	1	1	17.68	17.69	17.59	18.7	0.0
20	QPSK	1	26	17.57	17.71	17.47		
20	QPSK	1	49	17.59	17.73	17.61		
20	QPSK	25	0	17.64	17.83	17.48	18.7	0.0
20	QPSK	25	13	17.63	17.79	17.41		
20	QPSK	25	26	17.63	17.70	17.51		
20	QPSK	50	0	17.51	17.57	17.18	18.7	0.0
20	16QAM	1	1	17.72	17.77	17.55	18.7	0.0
20	16QAM	1	26	17.59	17.73	17.39		
20	16QAM	1	49	17.66	17.66	17.51		
20	16QAM	25	0	17.71	17.75	17.42	18.7	0.0
20	16QAM	25	13	17.63	17.69	17.49		
20	16QAM	25	26	17.64	17.77	17.42		
20	16QAM	50	0	17.45	17.66	17.23	18.7	0.0
20	64QAM	1	1	18.08	18.16	18.17	18.7	0.0
20	64QAM	1	26	17.98	18.12	18.16		
20	64QAM	1	49	17.91	18.04	18.16		
20	64QAM	25	0	17.95	18.11	18.07	18.7	0.0
20	64QAM	25	13	18.05	17.96	18.05		
20	64QAM	25	26	17.96	18.02	18.07		
20	64QAM	50	0	17.78	17.94	18.13	18.7	0.0

n41 for_Ant 2 HPUE DSI 2&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	25.90	24.56	24.45	27.0	0.0	
100	PI/2 BPSK	1	137	26.80	25.64	25.36			
100	PI/2 BPSK	1	271	25.05	24.82	22.90			
100	PI/2 BPSK	135	0	26.20	24.87	25.41	27.0	0.0	
100	PI/2 BPSK	135	69	26.59	25.36	25.15			
100	PI/2 BPSK	135	138	26.00	25.29	24.21			
100	PI/2 BPSK	270	0	26.09	25.05	24.90	26.5	0.5	
100	QPSK	1	1	25.89	24.52	24.35	27.0	0.0	
100	QPSK	1	137	26.77	25.62	25.32			
100	QPSK	1	271	24.96	24.74	22.82			
100	QPSK	135	0	26.16	24.81	25.40	27.0	0.0	
100	QPSK	135	69	26.54	25.34	25.08			
100	QPSK	135	138	25.97	25.20	24.17			
100	QPSK	270	0	24.86	23.56	23.41	26.0	1.0	
100	16QAM	1	1	24.83	23.47	23.41	26.0	1.0	
100	16QAM	1	137	24.84	23.55	23.38			
100	16QAM	1	271	24.86	23.46	23.39			
100	16QAM	135	0	24.87	23.51	23.36	26.0	1.0	
100	16QAM	135	69	24.82	23.54	23.40			
100	16QAM	135	138	24.80	23.47	23.37			
100	16QAM	270	0	23.92	22.35	22.43	25.0	2.0	
100	64QAM	1	1	23.38	22.00	21.94	24.5	2.5	
100	64QAM	1	137	23.34	22.02	21.92			
100	64QAM	1	271	23.35	22.05	21.93			
100	64QAM	135	0	23.32	22.03	21.91	24.5	2.5	
100	64QAM	135	69	23.31	21.97	21.91			
100	64QAM	135	138	23.37	22.00	21.91			
100	64QAM	270	0	23.39	22.00	21.88	24.5	2.5	
Channel				508200	518998	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	25.87	24.50	24.35	27.0	0.0	
90	PI/2 BPSK	1	120	26.71	25.64	25.31			
90	PI/2 BPSK	1	243	25.02	24.79	22.88			
90	PI/2 BPSK	120	0	26.10	24.82	25.31	27.0	0.0	
90	PI/2 BPSK	120	60	26.55	25.34	25.12			
90	PI/2 BPSK	120	120	25.91	25.22	24.19			
90	PI/2 BPSK	240	0	26.02	25.04	24.84	26.5	0.5	
90	QPSK	1	1	25.86	24.43	24.30	27.0	0.0	
90	QPSK	1	120	26.70	25.58	25.25			
90	QPSK	1	243	24.92	24.70	22.72			
90	QPSK	120	0	26.06	24.76	26.35	27.0	0.0	
90	QPSK	120	60	26.50	25.31	24.98			
90	QPSK	120	120	25.92	25.20	24.14			
90	QPSK	240	0	24.81	23.55	23.37	26.0	1.0	
90	16QAM	1	1	24.74	23.39	23.34	26.0	1.0	
90	16QAM	1	120	24.77	23.50	23.36			
90	16QAM	1	243	24.81	23.44	23.30			
90	16QAM	120	0	24.84	23.41	23.28	26.0	1.0	
90	16QAM	120	60	24.75	23.64	23.38			
90	16QAM	120	120	24.76	23.44	23.31			
90	16QAM	240	0	23.75	22.47	22.35	25.0	2.0	
90	64QAM	1	1	23.32	22.00	21.87	24.5	2.5	
90	64QAM	1	120	23.25	21.96	21.84			
90	64QAM	1	243	23.30	22.02	21.84			
90	64QAM	120	0	23.30	21.99	21.90	24.5	2.5	
90	64QAM	120	60	23.31	21.95	21.86			
90	64QAM	120	120	23.29	22.00	21.81			
90	64QAM	240	0	23.37	21.92	21.81	24.5	2.5	
Channel				507204	518998	528996			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	25.84	24.54	24.42	27.0	0.0	
80	PI/2 BPSK	1	109	26.75	25.60	25.35			
80	PI/2 BPSK	1	215	25.02	24.74	22.90			
80	PI/2 BPSK	108	0	26.14	24.85	25.39	27.0	0.0	
80	PI/2 BPSK	108	55	26.52	25.27	25.10			
80	PI/2 BPSK	108	109	25.98	25.25	24.13			
80	PI/2 BPSK	216	0	26.01	24.99	24.88	26.5	0.5	
80	QPSK	1	1	25.86	24.50	24.35	27.0	0.0	
80	QPSK	1	109	26.71	25.58	25.22			
80	QPSK	1	215	24.96	24.64	22.82			
80	QPSK	108	0	26.15	24.76	25.40	27.0	0.0	
80	QPSK	108	55	26.44	25.34	24.99			
80	QPSK	108	109	25.91	25.18	24.13			
80	QPSK	216	0	24.83	23.60	23.35	26.0	1.0	
80	16QAM	1	1	24.83	23.45	23.32	26.0	1.0	
80	16QAM	1	109	24.77	23.53	23.30			
80	16QAM	1	215	24.84	23.42	23.34			
80	16QAM	108	0	24.87	23.42	23.33	26.0	1.0	
80	16QAM	108	55	24.82	23.46	23.32			
80	16QAM	108	109	24.76	23.44	23.30			
80	16QAM	216	0	23.74	22.48	22.41	25.0	2.0	
80	64QAM	1	1	23.31	21.97	21.90	24.5	2.5	
80	64QAM	1	109	23.25	21.99	21.85			
80	64QAM	1	215	23.35	22.04	21.90			
80	64QAM	108	0	23.22	21.97	21.84	24.5	2.5	
80	64QAM	108	55	23.30	21.97	21.89			
80	64QAM	108	109	23.37	21.95	21.88			
80	64QAM	216	0	23.39	21.95	21.82	24.5	2.5	
Channel				506200	518998	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	25.85	24.48	24.35	27.0	0.0	
60	PI/2 BPSK	1	81	26.71	25.60	25.35			
60	PI/2 BPSK	1	160	25.01	24.78	22.86			
60	PI/2 BPSK	81	0	26.10	24.87	25.37	27.0	0.0	
60	PI/2 BPSK	81	42	26.52	25.27	25.07			
60	PI/2 BPSK	81	81	25.94	25.19	24.15			
60	PI/2 BPSK	162	0	26.01	25.04	24.85	26.5	0.5	
60	QPSK	1	1	25.89	24.50	24.25	27.0	0.0	
60	QPSK	1	81	26.68	25.62	25.23			
60	QPSK	1	160	24.86	24.68	22.81			
60	QPSK	81	0	26.13	24.74	25.31	27.0	0.0	
60	QPSK	81	42	26.52	25.29	25.08			
60	QPSK	81	81	25.90	25.14	24.10			
60	QPSK	162	0	24.78	23.47	23.32	26.0	1.0	
60	16QAM	1	1	24.77	23.39	23.33	26.0	1.0	
60	16QAM	1	81	24.79	23.50	23.31			
60	16QAM	1	160	24.86	23.38	23.35			
60	16QAM	81	0	24.81	23.42	23.29	26.0	1.0	
60	16QAM	81	42	24.80	23.44	23.32			
60	16QAM	81	81	24.78	23.43	23.36			
60	16QAM	162	0	23.77	22.47	22.39	25.0	2.0	
60	64QAM	1	1	23.35	21.90	21.92	24.5	2.5	
60	64QAM	1	81	23.26	21.89	21.90			
60	64QAM	1	160	23.32	22.02	21.84			
60	64QAM	81	0	23.32	22.00	21.88	24.5	2.5	
60	64QAM	81	42	23.31	21.88	21.83			
60	64QAM	81	81	23.29	21.95	21.85			
60	64QAM	162	0	23.37	21.96	21.85	24.5	2.5	



Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	25.83	24.54	24.43	27.0	0.0
50	PI/2 BPSK	1	67	26.73	25.63	25.31		
50	PI/2 BPSK	1	131	25.02	24.82	22.85		
50	PI/2 BPSK	64	0	26.16	24.85	25.41	27.0	0.0
50	PI/2 BPSK	64	35	26.50	25.33	25.11		
50	PI/2 BPSK	64	69	25.94	25.28	24.15		
50	PI/2 BPSK	128	0	26.04	24.99	24.80	26.5	0.5
50	QPSK	1	1	25.85	24.42	24.31	27.0	0.0
50	QPSK	1	67	26.76	25.52	25.30		
50	QPSK	1	131	24.96	24.67	22.82		
50	QPSK	64	0	26.16	24.73	25.40	27.0	0.0
50	QPSK	64	35	26.45	25.30	24.99		
50	QPSK	64	69	25.95	25.19	24.16		
50	QPSK	128	0	24.83	23.49	23.41	26.0	1.0
50	16QAM	1	1	24.79	23.44	23.35	26.0	1.0
50	16QAM	1	67	24.82	23.51	23.34		
50	16QAM	1	131	24.85	23.38	23.31		
50	16QAM	64	0	24.79	23.51	23.34	26.0	1.0
50	16QAM	64	35	24.72	23.44	23.32		
50	16QAM	64	69	24.76	23.44	23.27		
50	16QAM	128	0	23.72	22.54	22.39	25.0	2.0
50	64QAM	1	1	23.38	21.90	21.92	24.5	2.5
50	64QAM	1	67	23.26	21.94	21.89		
50	64QAM	1	131	23.26	22.04	21.84		
50	64QAM	64	0	23.31	21.95	21.84	24.5	2.5
50	64QAM	64	35	23.24	21.88	21.81		
50	64QAM	64	69	23.34	21.92	21.90		
50	64QAM	128	0	23.35	21.92	21.82	24.5	2.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515.01	2592.99	2570		
40	PI/2 BPSK	1	1	25.98	24.47	24.40	27.0	0.0
40	PI/2 BPSK	1	53	26.74	25.54	25.33		
40	PI/2 BPSK	1	104	24.95	24.78	22.81		
40	PI/2 BPSK	50	0	26.12	24.79	25.40	27.0	0.0
40	PI/2 BPSK	50	28	26.69	25.28	25.11		
40	PI/2 BPSK	50	56	25.92	25.24	24.15		
40	PI/2 BPSK	100	0	26.08	25.05	24.87	26.5	0.5
40	QPSK	1	1	25.97	24.43	24.26	27.0	0.0
40	QPSK	1	53	26.79	25.55	25.34		
40	QPSK	1	104	24.92	24.88	22.77		
40	QPSK	50	0	26.13	24.79	25.39	27.0	0.0
40	QPSK	50	28	26.63	25.34	25.05		
40	QPSK	50	56	25.91	25.15	24.11		
40	QPSK	100	0	24.81	23.53	23.38	26.0	1.0
40	16QAM	1	1	24.80	23.41	23.39	26.0	1.0
40	16QAM	1	53	24.81	23.46	23.33		
40	16QAM	1	104	24.80	23.39	23.36		
40	16QAM	50	0	24.80	23.43	23.38	26.0	1.0
40	16QAM	50	28	24.77	23.47	23.33		
40	16QAM	50	56	24.77	23.39	23.34		
40	16QAM	100	0	23.78	22.52	22.40	25.0	2.0
40	64QAM	1	1	23.28	22.00	21.94	24.5	2.5
40	64QAM	1	53	23.24	21.97	21.91		
40	64QAM	1	104	23.28	22.05	21.86		
40	64QAM	50	0	23.32	22.01	21.82	24.5	2.5
40	64QAM	50	28	23.22	21.96	21.88		
40	64QAM	50	56	23.27	21.98	21.85		
40	64QAM	100	0	23.37	21.98	21.80	24.5	2.5
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	25.88	24.55	24.42	27.0	0.0
20	PI/2 BPSK	1	26	26.71	25.64	25.29		
20	PI/2 BPSK	1	49	24.96	24.73	22.90		
20	PI/2 BPSK	25	0	26.17	24.77	25.35	27.0	0.0
20	PI/2 BPSK	25	13	26.57	25.27	25.12		
20	PI/2 BPSK	25	26	26.00	25.25	24.14		
20	PI/2 BPSK	50	0	26.08	25.03	24.84	26.5	0.5
20	QPSK	1	1	25.83	24.49	24.31	27.0	0.0
20	QPSK	1	26	26.71	25.58	25.22		
20	QPSK	1	49	24.90	24.65	22.81		
20	QPSK	25	0	26.10	24.74	25.33	27.0	0.0
20	QPSK	25	13	26.49	25.28	25.05		
20	QPSK	25	26	25.89	25.14	24.11		
20	QPSK	50	0	24.78	23.48	23.35	26.0	1.0
20	16QAM	1	1	24.79	23.41	23.40	26.0	1.0
20	16QAM	1	26	24.84	23.53	23.30		
20	16QAM	1	49	24.78	23.39	23.35		
20	16QAM	25	0	24.80	23.42	23.28	26.0	1.0
20	16QAM	25	13	24.72	23.49	23.40		
20	16QAM	25	26	24.80	23.47	23.32		
20	16QAM	50	0	23.78	22.54	22.33	25.0	2.0
20	64QAM	1	1	23.34	21.95	21.91	24.5	2.5
20	64QAM	1	26	23.30	21.93	21.89		
20	64QAM	1	49	23.32	21.95	21.87		
20	64QAM	25	0	23.22	22.03	21.88	24.5	2.5
20	64QAM	25	13	23.28	21.95	21.82		
20	64QAM	25	26	23.35	21.90	21.81		
20	64QAM	50	0	23.34	21.96	21.80	24.5	2.5



CA_5B Ant1_DSI 2/4										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.76	24
20575	20476	QPSK	1	0	1	49	2	0	23.81	24
20600	20501	QPSK	1	0	1	49	2	0	23.77	24

CA_41C Ant1_DSI 2/4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.96	24
40185	39987	QPSK	1	0	1	99	2	0	23.31	24
40620	40422	QPSK	1	0	1	99	2	0	23.7	24
41055	40857	QPSK	1	0	1	99	2	0	23.8	24
41490	41292	QPSK	1	0	1	99	2	0	23.89	24

CA_5B Ant2_DSI 2/4										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.35	23
20575	20476	QPSK	1	0	1	49	2	0	22.49	23
20600	20501	QPSK	1	0	1	49	2	0	22.57	23

CA_41C Ant2_DSI 2/4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.16	23.5
40185	39987	QPSK	1	0	1	99	2	0	22.94	23.5
40620	40422	QPSK	1	0	1	99	2	0	23.1	23.5
41055	40857	QPSK	1	0	1	99	2	0	22.75	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.16	23.5



CA_66B Ant1_DSI 2/4										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	22.76	24
132322	132229	QPSK	1	0	1	24	2	0	23.47	24
132597	132504	QPSK	1	0	1	24	2	0	23.35	24

CA_66B Ant2_DSI 2/4										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	21.41	22
132322	132229	QPSK	1	0	1	24	2	0	21.4	22
132597	132504	QPSK	1	0	1	24	2	0	21.25	22



CA_66C Ant1_DSI 2/4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.16	24
132322	132124	QPSK	1	0	1	99	2	0	23.83	24
132572	132374	QPSK	1	0	1	99	2	0	23.73	24

CA_66C Ant2_DSI 2/4										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	21.5	22
132322	132124	QPSK	1	0	1	99	2	0	21.45	22
132572	132374	QPSK	1	0	1	99	2	0	21.35	22



CA_5B_Ant1_DSI 3										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.47	24
20575	20476	QPSK	1	0	1	49	2	0	22.75	24
20600	20501	QPSK	1	0	1	49	2	0	22.77	24

CA_5B_Ant2_DSI 3										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	21.33	23
20575	20476	QPSK	1	0	1	49	2	0	21.5	23
20600	20501	QPSK	1	0	1	49	2	0	21.51	23



CA_41C Ant1_DSI 3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	20.55	21.1
40185	39987	QPSK	1	0	1	99	2	0	20.31	21.1
40620	40422	QPSK	1	0	1	99	2	0	20.8	21.1
41055	40857	QPSK	1	0	1	99	2	0	20.91	21.1
41490	41292	QPSK	1	0	1	99	2	0	20.97	21.1

CA_41C Ant2_DSI 3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	19.16	19.8
40185	39987	QPSK	1	0	1	99	2	0	18.96	19.8
40620	40422	QPSK	1	0	1	99	2	0	19.07	19.8
41055	40857	QPSK	1	0	1	99	2	0	18.77	19.8
41490	41292	QPSK	1	0	1	99	2	0	18.15	19.8



CA_66B Ant1_DSI 3										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.64	22
132322	132229	QPSK	1	0	1	24	2	0	20.6	22
132597	132504	QPSK	1	0	1	24	2	0	20.47	22

CA_66B Ant2_DSI 3										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.42	22
132322	132229	QPSK	1	0	1	24	2	0	20.34	22
132597	132504	QPSK	1	0	1	24	2	0	20.34	22



CA_66C Ant1_DSI 3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.67	22
132322	132124	QPSK	1	0	1	99	2	0	20.65	22
132572	132374	QPSK	1	0	1	99	2	0	20.59	22

CA_66C Ant2_DSI 3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.5	22
132322	132124	QPSK	1	0	1	99	2	0	20.51	22
132572	132374	QPSK	1	0	1	99	2	0	20.45	22



CA_5B_Ant1_DSI 5										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.38	24
20575	20476	QPSK	1	0	1	49	2	0	22.65	24
20600	20501	QPSK	1	0	1	49	2	0	22.68	24

CA_5B_Ant2_DSI 5										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	21.43	23
20575	20476	QPSK	1	0	1	49	2	0	21.51	23
20600	20501	QPSK	1	0	1	49	2	0	21.58	23



CA_41C Ant1_DSI 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	18.66	19.1
40185	39987	QPSK	1	0	1	99	2	0	18.44	19.1
40620	40422	QPSK	1	0	1	99	2	0	18.92	19.1
41055	40857	QPSK	1	0	1	99	2	0	19.02	19.1
41490	41292	QPSK	1	0	1	99	2	0	19.05	19.1

CA_41C Ant2_DSI 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	20.68	21
40185	39987	QPSK	1	0	1	99	2	0	20.44	21
40620	40422	QPSK	1	0	1	99	2	0	20.56	21
41055	40857	QPSK	1	0	1	99	2	0	20.25	21
41490	41292	QPSK	1	0	1	99	2	0	19.66	21



CA_66B Ant1_DSI 5										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	18.91	20.6
132322	132229	QPSK	1	0	1	24	2	0	18.85	20.6
132597	132504	QPSK	1	0	1	24	2	0	18.81	20.6

CA_66B Ant2_DSI 5										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.4	22
132322	132229	QPSK	1	0	1	24	2	0	20.38	22
132597	132504	QPSK	1	0	1	24	2	0	20.33	22



CA_66C_Ant1_DSI 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	18.92	20.6
132322	132124	QPSK	1	0	1	99	2	0	18.98	20.6
132572	132374	QPSK	1	0	1	99	2	0	18.95	20.6

CA_66C_Ant2_DSI 5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.54	22
132322	132124	QPSK	1	0	1	99	2	0	20.45	22
132572	132374	QPSK	1	0	1	99	2	0	20.39	22



CA_5B_Ant1_DSI 6										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.6	24
20575	20476	QPSK	1	0	1	49	2	0	23.57	24
20600	20501	QPSK	1	0	1	49	2	0	23.61	24

CA_5B_Ant2_DSI 6										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.35	23
20575	20476	QPSK	1	0	1	49	2	0	22.49	23
20600	20501	QPSK	1	0	1	49	2	0	22.57	23



CA_41C Ant1_DSI 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.45	24
40185	39987	QPSK	1	0	1	99	2	0	22.2	24
40620	40422	QPSK	1	0	1	99	2	0	22.7	24
41055	40857	QPSK	1	0	1	99	2	0	22.82	24
41490	41292	QPSK	1	0	1	99	2	0	22.85	24

CA_41C Ant2_DSI 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.16	23.5
40185	39987	QPSK	1	0	1	99	2	0	23.94	23.5
40620	40422	QPSK	1	0	1	99	2	0	24.1	23.5
41055	40857	QPSK	1	0	1	99	2	0	23.75	23.5
41490	41292	QPSK	1	0	1	99	2	0	23.16	23.5



CA_66B Ant1_DSI 6										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.41	24
132322	132229	QPSK	1	0	1	24	2	0	23.32	24
132597	132504	QPSK	1	0	1	24	2	0	23.27	24

CA_66B Ant2_DSI 6										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	21.41	22
132322	132229	QPSK	1	0	1	24	2	0	21.4	22
132597	132504	QPSK	1	0	1	24	2	0	21.25	22



CA_66C_Ant1_DSI 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.48	24
132322	132124	QPSK	1	0	1	99	2	0	23.41	24
132572	132374	QPSK	1	0	1	99	2	0	23.35	24

CA_66C_Ant2_DSI 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	21.5	22
132322	132124	QPSK	1	0	1	99	2	0	21.45	22
132572	132374	QPSK	1	0	1	99	2	0	21.35	22



2 CC

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	4A-48A	4	20	1732.5	20175	QPSK	1	0	48	20	3625	55990	22.87	22.91
Intra-Band	12B	12	10	707.5	23995	QPSK	1	0	12	5	745.0	5102	22.67	22.73
	38C	38	20	2580	37850	QPSK	1	0	38	20	2600.0	38048	22.86	22.87

3CC

Configure	CA Configuration (BCS)	PCC							SCC				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	2C-12A	2	20	1860	18700	QPSK	1	0	2	20	2138	898	12	10	737.5	5095	23.02	23.02		
	2A-2A-13A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	13	10	751	5230	22.99	23.02		
	2A-4A-13A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	23.02	23.02		
	2A-4A-29A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.93	23.02		
	2A-4A-30A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9820	22.92	23.02		
	2A-4A-71A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	71	20	634.5	68761	22.78	22.85		
	2A-12B	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	12	10	2197.5	67311	22.97	23.02		
	2A-29A-66A	2	20	1860	18700	QPSK	1	0	29	10	2138	898	29	10	722.5	9715	22.98	23.02		
	2A-46A-66A	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	2155	66886	22.95	23.02		
	4A-4A-7A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	7	20	2055	3100	22.88	22.91		
	4A-4A-13A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	13	10	751	5230	22.85	22.91		
	4A-4A-29A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	29	10	722.5	9715	22.83	22.91		
	4A-4A-30A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	30	10	2355	9820	22.90	22.91		
	4A-4A-71A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	71	20	634.5	68761	22.88	22.91		
	4A-5A-30A	4	20	1732.5	20175	QPSK	1	0	5	10	2147	2319	30	10	2197.5	67311	22.83	22.91		
	4A-12B	4	20	1732.5	20175	QPSK	1	0	12	10	2147	2319	12	10	2174.8	67084	22.90	22.91		
	4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	12	10	2147	2319	30	10	2355	9820	22.84	22.91		
	4A-29A-30A	4	20	1732.5	20175	QPSK	1	0	29	10	2147	2319	30	10	2355	9820	22.84	22.91		
	7A-12A-66A	7	20	2535	21100	QPSK	1	0	12	10	2669	3244	66	20	2155	66886	23.15	23.22		
	12A-66C	12	10	707.5	23995	QPSK	1	0	66	20	752	5239	66	20	2155	66886	22.08	22.08		
	13A-66A-66A	13	10	782	23230	QPSK	1	0	66	20	785	5374	66	20	2155	66886	22.40	22.43		
	26A-41C	26	15	831.5	26865	QPSK	1	0	41	20	894	9036	41	20	2593	40620	22.67	22.65		
	66A-66C	66	20	1720	132072	QPSK	1	0	66	20	2140	67394	66	20	2155	66886	22.85	22.88		
	66C-71A	66	20	1720	132072	QPSK	1	0	66	20	2174.8	67084	71	20	634.5	68761	22.89	22.88		
	66A-66A-71A	66	20	1720	132072	QPSK	1	0	66	20	2190	67236	71	20	634.5	68761	22.91	22.88		
	66A-66A-66A	66	20	1720	132072	QPSK	1	0	66	20	2190	67236	66	20	2190	67236	22.90	22.88		
	41A-41A-41A	41	20	2593	40620	QPSK	1	0	41	20	2680	41490	41	20	2680	41490	22.95	22.99		
	Intra-Band	Non-Contiguous	66D	66	20	1745	132322	QPSK	1	0	66	20	2175	132520	66	20	2195	132718	22.90	22.88

4CC

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2A-2A-12A-30A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	12	10	737.5	5095	30	10	2355	9820	22.95	23.02
	2A-2A-12A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	12	10	737.5	5095	66	20	2155	66886	22.95	23.02
	2A-2A-14A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	14	10	763	5330	66	20	2155	66886	22.99	23.02
	2A-2A-29A-30A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	29	10	722.5	9715	30	10	2355	9820	23.01	23.02
	2A-2A-30A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	30	10	2355	9820	66	20	2155	66886	23.01	23.02
	2A-2A-46C	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	46	20	5537.5	50665	46	20	5557.3	50863	22.95	23.02
	2C-66A-66A	2	20	1860	18700	QPSK	1	0	2	20	719.8	2138	66	20	2155	66886	66	20	2190	67236	23.02	23.02
	2A-2A-66B	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2175	67084	22.96	23.02
	2A-2A-66C	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2175	67084	22.93	23.02
	2A-2A-66A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2190	67236	22.99	23.02
	2A-2A-66A-71A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	71	20	634.5	68761	23.00	23.02
	2A-4A-4A-12A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	20	2145	2300	12	10	737.5	5095	22.96	23.02
	2A-12A-66C	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2175	67084	22.95	23.02
	2A-12A-66A-66A	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2190	67236	22.97	23.02
	2A-13A-46C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	46	20	5537.5	50665	46	20	5557.3	50863	22.92	23.02
	2A-13A-48C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	20	3645	66188	23.01	23.02
	2A-13A-66C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2175	67084	22.97	23.02
	2A-14A-66A-66A	2	20	1860	18700	QPSK	1	0	14	10	763	5330	66	20	2155	66886	66	20	2190	67236	22.96	23.02
	2A-30A-66A-66A	2	20	1860	18700	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	20	2190	67236	22.92	23.02
	2A-46D	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	22.95	23.02
	2A-46A-46C	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5925	54539	46	20	5945	54737	22.96	23.02
	2A-46C-66A	2	20	1860	18700	QPSK	1	0	46	20	5925	54539	46	20	5945	54737	66	20	2155	66886	22.99	23.02
	2A-48D	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	48	20	3665	66386	22.97	23.02
	2A-48A-48C	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3700	56739	48	20	3645	66188	22.93	23.02
	2A-48C-66A	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	66	20	2190	67236	22.93	23.02
	2A-66C-71A	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2175	67084	71	20	634.5	68761	22.95	23.02
	2A-66A-66A-71A	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2190	67236	71	20	634.5	68761	22.98	23.02
	4A-4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	4	20	214											



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	20.70	21.00	100.00	
	6	2437	20.70	21.00		
	11	2462	20.00	21.00		
802.11g 6Mbps	1	2412	15.10	15.00	98.06	
	2	2417	17.50	18.00		
	6	2437	19.80	20.00		
	10	2457	17.70	18.00		
	11	2462	13.90	14.50		
802.11n-HT20 MCS0	1	2412	14.90	15.50	97.92	
	2	2417	16.90	18.00		
	6	2437	19.90	20.00		
	10	2457	16.90	18.00		
	11	2462	13.70	14.50		
802.11n-HT40 MCS0	3	2422	14.90	15.50	93.33	
	6	2437	14.20	15.50		
	9	2452	12.20	13.00		

Power Table 2

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	14.38	15.00	100.00	
	6	2437	14.37	15.00		
	11	2462	14.36	15.00		
802.11g 6Mbps	1	2412		15.00	98.06	
	2	2417		15.00		
	6	2437		15.00		
	10	2457		15.00		
	11	2462		14.50		
802.11n-HT20 MCS0	1	2412		15.00	97.92	
	2	2417		15.00		
	6	2437		15.00		
	10	2457		15.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422		15.00	93.33	
	6	2437		15.00		
	9	2452		13.00		

Power Table 6

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	16.26	17.00	100.00	
	6	2437	16.17	17.00		
	11	2462	15.97	17.00		
802.11g 6Mbps	1	2412		15.50	98.06	
	2	2417		18.00		
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
802.11n-HT20 MCS0	1	2412		15.50	97.92	
	2	2417		18.00		
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422		15.50	93.33	
	6	2437		15.50		
	9	2452		13.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	17.00	98.06	
	40	5200	16.40	17.00		
	44	5220	16.60	17.00		
	48	5240	16.20	17.00		
802.11n-HT20 MCS0	36	5180	16.90	17.50	98.19	
	40	5200	16.79	17.50		
	44	5220	17.30	17.50		
	48	5240	16.90	17.50		
802.11n-HT40 MCS0	38	5190	13.40	14.00	95.88	
	46	5230	19.40	20.00		
	48	5240	16.80	17.50		
802.11ac-VHT20 MCS0	36	5180	16.80	17.50	97.94	
	40	5200	16.62	17.50		
	44	5220	17.20	17.50		
	48	5240	16.90	17.50		
802.11ac-VHT40 MCS0	38	5190	13.60	14.00	95.88	
	46	5230	19.60	20.00		
	42	5210	12.20	15.50		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180		15.50	98.06	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT20 MCS0	36	5180		15.50	98.19	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT40 MCS0	38	5190		14.00	95.88	
	46	5230		15.50		
	48	5240		15.50		
802.11ac-VHT20 MCS0	36	5180		15.50	97.94	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11ac-VHT40 MCS0	38	5190		14.00	95.88	
	46	5230		15.50		
	42	5210	15.13	15.50		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	17.00	98.06	
	40	5200	16.40	17.00		
	44	5220	16.60	17.00		
	48	5240	16.20	17.00		
802.11n-HT20 MCS0	36	5180	16.90	17.50	98.19	
	40	5200	16.78	17.50		
	44	5220	17.30	17.50		
	48	5240	16.90	17.50		
802.11n-HT40 MCS0	38	5190	13.40	14.00	95.88	
	46	5230	17.86	19.00		
	48	5240	16.90	17.50		
802.11ac-VHT20 MCS0	36	5180	16.80	17.50	97.94	
	40	5200	16.62	17.50		
	44	5220	17.20	17.50		
	48	5240	16.90	17.50		
802.11ac-VHT40 MCS0	38	5190	13.60	14.00	95.88	
	46	5230	17.91	19.00		
	42	5210	12.20	15.50		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5280	16.50	17.00	98.06	
	56	5280	16.40	17.00		
	60	5300	16.30	17.00		
802.11n-HT20 MCS0	52	5280	16.10	17.00	98.19	
	56	5280	16.60	17.50		
	60	5300	16.90	17.50		
	64	5320	16.60	17.50		
802.11n-HT40 MCS0	54	5270	19.20	20.00	95.88	
	62	5310	14.80	15.50		
	52	5280	16.90	17.50		
802.11ac-VHT20 MCS0	56	5280	16.72	17.50	97.94	
	60	5300	16.90	17.50		
	64	5320	16.60	17.50		
	54	5270	19.00	20.00		
802.11ac-VHT40 MCS0	62	5310	14.80	15.50	95.88	
	58	5290	14.20	15.50		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5280	16.50	17.00	98.06	
	56	5280	16.40	17.00		
	60	5300	16.30	17.00		
802.11n-HT20 MCS0	52	5280	16.10	17.00	98.19	
	56	5280	16.48	17.50		
	60	5300	16.90	17.50		
	64	5320	16.60	17.50		
802.11n-HT40 MCS0	54	5270	18.48	19.00	95.88	
	62	5310	14.80	15.50		
	52	5280	16.90	17.50		
802.11ac-VHT20 MCS0	56	5280	16.72	17.50	97.94	
	60	5300	16.90	17.50		
	64	5320	16.60	17.50		
	54	5270	18.00	19.00		
802.11ac-VHT40 MCS0	62	5310	14.80	15.50	95.88	
	58	5290	14.20	15.50		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	16.60	17.50	98.06	
	116	5580	16.30	17.50		
	124	5620	16.50	17.50		
	132	5660	16.60	17.50		
	140	5700	16.80	17.50		
	144	5720	16.70	17.50		
802.11n-HT20 MCS0	100	5500	16.90	17.50	98.19	
	116	5580	16.30	17.50		
	124	5620	16.21	17.50		
	132	5660	16.23	17.50		
	140	5700	16.30	17.50		
	144	5720	16.30	17.50		
802.11n-HT40 MCS0	102	5510	16.90	18.00	95.88	
	110	5550	19.50	20.00		
	126	5630	19.18	20.00		
	134	5670	19.20	20.00		
	142	5710	19.20	20.00		
	100	5500	16.80	17.50		
802.11ac-VHT20 MCS0	116	5580	16.30	17.50	97.94	
	124	5620	16.15	17.50		
	132	5660	16.18	17.50		
	140	5700	16.20	17.50		
	144	5720	16.30	17.50		
	102	5510	17.10	18.00		
802.11ac-VHT40 MCS0	110	5550	19.10	20.00	95.88	
	126	5630	19.03	20.00		
	134	5670	19.00	20.00		
	142	5710	19.00	20.00		
	106	5530	16.30	17.00		
	802.11ac-VHT80 MCS0	132	5610	18.10		19.00
138		5690	18.20	19.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500		16.50	98.06	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
	144	5720		16.50		
802.11n-HT20 MCS0	100	5500		16.50	98.19	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
	144	5720		16.50		
802.11n-HT40 MCS0	102	5510		16.50	95.88	
	110	5550		16.50		
	126	5630		16.50		
	134	5670		16.50		
	142	5710		16.50		
	100	5500		16.50		
802.11ac-VHT20 MCS0	116	5580		16.50	97.94	
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
	144	5720		16.50		
	102	5510		16.50		
802.11ac-VHT40 MCS0	110	5550		16.50	95.88	
	126	5630		16.50		
	134	5670		16.50		
	142	5710		16.50		
	106	5530	16.30	17.00		
	802.11ac-VHT80 MCS0	132</				



Power Table 7						
2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	14.38	15.00	100.00	
	6	2437	14.37	15.00		
	11	2462	14.36	15.00		
802.11g 6Mbps	1	2412	Not Required	15.00	98.06	
	2	2417		15.00		
	6	2437		15.00		
	10	2457		15.00		
	11	2462		14.50		
	11	2462		15.00		
802.11n-HT20 MCS0	2	2417	Not Required	15.00	97.92	
	6	2437		15.00		
	10	2457		15.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422	Not Required	15.00	93.33	
	6	2437		15.00		
	9	2452		13.00		
				13.00		

Power Table 8						
2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.76	18.00	100.00	
	6	2437	17.67	18.00		
	11	2462	17.47	18.00		
802.11g 6Mbps	1	2412	Not Required	15.00	98.06	
	2	2417		18.00		
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
	11	2462		15.00		
802.11n-HT20 MCS0	2	2417	Not Required	18.00	97.92	
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422	Not Required	15.00	93.33	
	6	2437		15.00		
	9	2452		13.00		
				13.00		

Power Table 9						
2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	20.70	21.00	100.00	
	6	2437	20.70	21.00		
	11	2462	20.00	21.00		
802.11g 6Mbps	1	2412	Not Required	15.10	98.06	
	2	2417		17.50		
	6	2437		19.80		
	10	2457		17.70		
	11	2462		13.90		
	11	2462		14.90		
802.11n-HT20 MCS0	2	2417	Not Required	14.90	97.92	
	2	2417		16.90		
	6	2437		19.90		
	10	2457		16.50		
802.11n-HT40 MCS0	3	2422	Not Required	14.50	93.33	
	6	2437		14.20		
	9	2452		12.20		
				13.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	Not Required	15.00	98.06	
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11n-HT20 MCS0	36	5180	Not Required	15.00	98.19	
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11n-HT40 MCS0	38	5190	Not Required	14.00	95.88	
	46	5230		15.00		
	36	5180		15.00		
	40	5200		15.00		
802.11ac-VHT20 MCS0	44	5220	Not Required	15.00	97.94	
	44	5220		15.00		
	48	5240		15.00		
	48	5240		14.00		
802.11ac-VHT40 MCS0	38	5190	Not Required	13.00	95.88	
	46	5230		15.00		
	42	5210		15.13		
				15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	17.00	98.06	
	40	5200	16.40	17.00		
	44	5220	16.60	17.00		
	48	5240	16.20	17.00		
802.11n-HT20 MCS0	36	5180	16.90	17.50	98.19	
	40	5200	16.78	17.50		
	44	5220	17.30	17.50		
	48	5240	16.90	17.50		
802.11n-HT40 MCS0	38	5190	13.40	14.00	95.88	
	46	5230	17.86	18.50		
	36	5180	16.80	17.50		
	40	5200	16.62	17.50		
802.11ac-VHT20 MCS0	44	5220	17.20	17.50	97.94	
	44	5220	17.20	17.50		
	48	5240	16.90	17.50		
	48	5240	13.60	14.00		
802.11ac-VHT40 MCS0	38	5190	13.60	14.00	95.88	
	46	5230	17.91	18.50		
	42	5210	12.20	15.00		
			15.00			

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	17.00	98.06	
	40	5200	16.40	17.00		
	44	5220	16.60	17.00		
	48	5240	16.20	17.00		
802.11n-HT20 MCS0	36	5180	16.90	17.50	98.19	
	40	5200	16.78	17.50		
	44	5220	17.30	17.50		
	48	5240	16.90	17.50		
802.11n-HT40 MCS0	38	5190	13.40	14.00	95.88	
	46	5230	19.40	20.00		
	36	5180	16.80	17.50		
	40	5200	16.62	17.50		
802.11ac-VHT20 MCS0	44	5220	17.20	17.50	97.94	
	44	5220	17.20	17.50		
	48	5240	16.90	17.50		
	48	5240	13.60	14.00		
802.11ac-VHT40 MCS0	38	5190	13.60	14.00	95.88	
	46	5230	19.50	20.00		
	42	5210	12.20	15.00		
			15.00			

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	Not Required	15.00	98.06	
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11n-HT20 MCS0	52	5260	Not Required	15.00	98.19	
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11n-HT40 MCS0	54	5270	Not Required	15.00	95.88	
	62	5310		15.00		
	52	5260		15.00		
	56	5280		15.00		
802.11ac-VHT20 MCS0	60	5300	Not Required	15.00	97.94	
	64	5320		15.00		
	64	5320		15.00		
	64	5320		15.00		
802.11ac-VHT40 MCS0	54	5270	Not Required	15.00	95.88	
	62	5310		15.00		
	58	5290		15.13		
				15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	Not Required	17.00	98.06	
	56	5280		17.00		
	60	5300		17.00		
	64	5320		17.00		
802.11n-HT20 MCS0	52	5260	Not Required	17.00	98.19	
	56	5280		17.00		
	60	5300		17.00		
	64	5320		17.00		
802.11n-HT40 MCS0	54	5270	Not Required	16.98	95.88	
	62	5310		15.00		
	52	5260		17.00		
	56	5280		17.00		
802.11ac-VHT20 MCS0	60	5300	Not Required	17.00	97.94	
	64	5320		17.00		
	64	5320		17.00		
	64	5320		17.00		
802.11ac-VHT40 MCS0	54	5270	Not Required	18.00	95.88	
	62	5310		15.00		
	58	5290		15.00		
				15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	Not Required	16.50	98.06	
	56	5280		16.40		
	60	5300		16.30		
	64	5320		16.10		
802.11n-HT20 MCS0	52	5260	Not Required	16.60	98.19	
	56	5280		16.48		
	60	5300		16.90		
	64	5320		16.60		
802.11n-HT40 MCS0	54	5270	Not Required	19.20	95.88	
	62	5310		14.80		
	52	5260		16.90		
	56	5280		16.72		
802.11ac-VHT20 MCS0	60	5300	Not Required	16.90	97.94	
	64	5320		16.60		
	64	5320		16.60		
	64	5320		16.60		
802.11ac-VHT40 MCS0	54	5270	Not Required	19.00	95.88	
	62	5310		14.80		
	58	5290		14.20		
				15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	15.00	98.06	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
	144	5720		15.00		
802.11n-HT20 MCS0	100	5500	Not Required	15.00	98.19	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
	144	5720		15.00		
802.11n-HT40 MCS0	102	5510	Not Required	15.00	95.88	
	110	5550		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
	144	5720		15.00		
802.11ac-VHT20 MCS0	100	5500	Not Required	15.00	97.94	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
	144	5720		15.00		
802.11ac-VHT40 MCS0	102	5510	Not Required	15.00	95.88	
	110	5550		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
	144	5720		15.00		
802.11ac-VHT80 MCS0	106	5530	Not Required	14.53	91.84	
	122	5610		14.75		
	138	5690		14.81		
				15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	17.50	98.06	
	116	5580		17.50		
	124	5620		17.50		
	132	5660		17.50		
	140	5700		17.50		
	144	5720		17.50		
802.11n-HT20 MCS0	100					



Power Table 1/3/4/5

2.4GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	23.78	24.00	100.00	
	6	2437	23.98	24.00		
	11	2462	23.01	24.00		
	1	2412	18.20	18.50		
	2	2417	20.61	21.00		
	6	2437	22.95	23.00		
	10	2467	20.86	21.00		
	11	2462	17.14	17.50		
	1	2412	17.98	18.50		
802.11n-HT20 MCS9	2	2417	20.12	21.00	98.19	
	6	2437	22.94	23.00		
	10	2467	20.11	21.00		
802.11n-HT40 MCS9	11	2462	16.93	17.50	93.91	
	3	2422	16.27	18.50		
	6	2437	17.25	18.50		
9	2452	15.23	16.00			

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	19.86	20.00	97.35	
	40	5200	19.41	20.00		
	44	5220	19.61	20.00		
	48	5240	19.41	20.00		
802.11n-HT20 MCS9	36	5180	19.67	20.50	97.93	
	40	5200	19.92	20.50		
	44	5220	20.16	20.50		
	48	5240	20.01	20.50		
802.11n-HT40 MCS9	38	5190	16.56	17.00	95.85	
	46	5230	22.56	23.00		
	36	5180	19.61	20.50		
802.11ac-VHT20 MCS9	40	5200	19.76	20.50	97.15	
	44	5220	20.11	20.50		
	48	5240	19.96	20.50		
802.11ac-VHT40 MCS9	38	5190	16.51	17.00	95.88	
	46	5230	22.41	23.00		
	42	5210	15.26	16.00		

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	19.61	20.00	97.35	
	56	5280	19.77	20.00		
	60	5300	19.67	20.00		
	64	5320	19.41	20.00		
802.11n-HT20 MCS9	52	5260	19.76	20.50	97.93	
	56	5280	19.71	20.50		
	60	5300	20.11	20.50		
	64	5320	19.81	20.50		
802.11n-HT40 MCS9	54	5270	22.52	23.00	95.85	
	62	5310	17.91	18.50		
	52	5260	19.71	20.50		
802.11ac-VHT20 MCS9	56	5280	19.67	20.50	97.15	
	60	5300	20.06	20.50		
	64	5320	19.76	20.50		
	54	5270	22.37	23.00		
802.11ac-VHT40 MCS9	62	5310	17.86	18.50	95.88	
	58	5290	17.36	18.50		
	58	5290	17.36	18.50		

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	19.61	20.50	97.35	
	116	5580	19.53	20.50		
	124	5620	19.90	20.50		
	132	5660	19.84	20.50		
	140	5700	19.90	20.50		
	144	5720	19.84	20.50		
802.11n-HT20 MCS9	100	5500	20.06	20.50	97.93	
	116	5580	19.90	20.50		
	124	5620	20.00	20.50		
	132	5660	19.84	20.50		
	140	5700	19.90	20.50		
	144	5720	19.90	20.50		
802.11n-HT40 MCS9	102	5510	20.16	21.00	95.85	
	110	5550	22.57	23.00		
	126	5630	22.28	23.00		
	134	5670	22.57	23.00		
	142	5710	22.53	23.00		
	100	5500	20.01	20.50		
802.11ac-VHT20 MCS9	116	5580	19.84	20.50	97.15	
	124	5620	19.90	20.50		
	132	5660	19.78	20.50		
	140	5700	19.80	20.50		
	144	5720	19.84	20.50		
	102	5510	20.16	21.00		
802.11ac-VHT40 MCS9	110	5550	22.21	23.00	95.88	
	126	5630	22.38	23.00		
	134	5670	22.43	23.00		
	142	5710	22.37	23.00		
802.11ac-VHT80 MCS9	106	5530	19.31	20.00	91.84	
	122	5610	21.86	22.50		
	138	5690	21.68	22.50		

5.8GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	23.35	24.00	97.35	
	157	5785	23.38	24.00		
	165	5825	23.34	24.00		
802.11n-HT20 MCS9	149	5745	22.91	23.00	97.93	
	157	5785	22.88	23.00		
	165	5825	22.70	23.00		
802.11n-HT40 MCS9	151	5755	22.60	23.00	95.85	
	159	5795	22.63	23.00		
802.11ac-VHT20 MCS9	149	5745	22.95	23.00	97.15	
	157	5785	22.84	23.00		
	165	5825	22.70	23.00		
802.11ac-VHT40 MCS9	151	5755	22.18	23.00	95.88	
	159	5795	22.24	23.00		
802.11ac-VHT80 MCS9	155	5775	21.94	23.00	91.84	

Power Table 2

2.4GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.04	18.00	100.00	
	6	2437	17.18	18.00		
	11	2462	17.23	18.00		
802.11g 6Mbps	1	2412	18.00	97.58		
	2	2417	18.00			
	6	2437	18.00			
	10	2467	18.00			
	11	2462	17.50			
	1	2412	17.50			
802.11n-HT20 MCS9	2	2417	18.00	98.19		
	6	2437	18.00			
	10	2467	18.00			
	11	2462	17.50			
	3	2422	18.00			
802.11n-HT40 MCS9	6	2437	18.00	93.91		
	9	2452	16.00			

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	18.50	97.35		
	40	5200	18.50			
	44	5220	18.50			
	48	5240	18.50			
802.11n-HT20 MCS9	36	5180	18.50	97.93		
	40	5200	18.50			
	44	5220	18.50			
	48	5240	18.50			
802.11n-HT40 MCS9	38	5190	17.00	95.85		
	46	5230	18.50			
	36	5180	18.50			
802.11ac-VHT20 MCS9	40	5200	18.50	97.15		
	44	5220	18.50			
	48	5240	18.50			
802.11ac-VHT40 MCS9	38	5190	17.00	95.88		
	46	5230	18.50			
	42	5210	17.87		18.50	

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.00	97.35		
	56	5280	20.00			
	60	5300	20.00			
	64	5320	20.00			
802.11n-HT20 MCS9	52	5260	20.50	97.93		
	56	5280	20.50			
	60	5300	20.50			
	64	5320	20.50			
802.11n-HT40 MCS9	54	5270	22.00	95.85		
	62	5310	18.50			
	52	5260	20.50			
802.11ac-VHT20 MCS9	56	5280	20.50	97.15		
	60	5300	20.50			
	64	5320	20.50			
	54	5270	22.00			
802.11ac-VHT40 MCS9	62	5310	18.50	95.88		
	58	5290	18.50			
	58	5290	18.50			

5GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	20.50	97.35		
	116	5580	20.50			
	124	5620	20.50			
	132	5660	20.50			
	140	5700	20.50			
	144	5720	20.50			
802.11n-HT20 MCS9	100	5500	20.50	97.93		
	116	5580	20.50			
	124	5620	20.50			
	132	5660	20.50			
	140	5700	20.50			
	144	5720	20.50			
802.11n-HT40 MCS9	102	5510	21.00	95.85		
	110	5550	21.00			
	126	5630	21.00			
	134	5670	21.00			
	142	5710	21.00			
	100	5500	20.50			
802.11ac-VHT20 MCS9	116	5580	20.50	97.15		
	124	5620	20.50			
	132	5660	20.50			
	140	5700	20.50			
	144	5720	20.50			
	102	5510	21.00			
802.11ac-VHT40 MCS9	110	5550	21.00	95.88		
	126	5630	21.00			
	134	5670	21.00			
	142	5710	21.00			
802.11ac-VHT80 MCS9	106	5530	20.00	91.84		
	122	5610	20.93			
	138	5690	20.96			

5.8GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	18.00	97.35		
	157	5785	18.00			
	165	5825	18.00			
802.11n-HT20 MCS9	149	5745	18.00	97.93		
	157	5785	18.00			
	165	5825	18.00			
802.11n-HT40 MCS9	151	5755	18.00	95.85		
	159	5795	18.00			
802.11ac-VHT20 MCS9	149	5745	18.00	97.15		
	157	5785	18.00			
	165	5825	18.00			
802.11ac-VHT40 MCS9	151	5755	18.00	95.88		
	159	5795	18.00			
802.11ac-VHT80 MCS9	155	5775	17.38	18.00	91.84	

Power Table 6

2.4GHz WLAN		Ant 3+4				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	19.61	20.00	100.00	
	6	2437	19.64	20.00		
	11	2462	19.72	20.00		
802.11g 6Mbps	1	2412	18.50	97.58		
	2	2417	21.00			
	6	2437	23.00			
	10	2467	21.00			
	11	2462	17.50			
	1	2412	18.50			
802.11n-HT20 MCS9	2	2417	21.00	98.19		
	6	2437	23.00			
	10	2467	21.00			
	11	2462	17.50			
	3	2422	18.50			
802.11n-HT40 MCS9	6	2437	18.50	93.91		
	9	2452	16.00			



Power Table 7						
2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.04	18.00	100.00	
	6	2437	17.18	18.00		
	11	2462	17.23	18.00		
	1	2412	18.00	18.00		
	2	2417	18.00	18.00		
	6	2437	18.00	18.00		
802.11g 6Mbps	10	2457	18.00	18.00	97.58	
	11	2462	17.50	18.00		
	1	2412	18.00	18.00		
	2	2417	18.00	18.00		
	6	2437	18.00	18.00		
	10	2457	18.00	18.00		
802.11n-HT20 MCS0	11	2462	17.50	18.00	98.19	Not Required
	1	2412	18.00	18.00		
	2	2417	18.00	18.00		
	6	2437	18.00	18.00		
	10	2457	18.00	18.00		
	11	2462	17.50	18.00		
802.11n-HT40 MCS0	3	2422	18.00	18.00	93.91	
	6	2437	18.00	18.00		
	9	2452	18.00	18.00		

Power Table 8						
2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	20.41	21.00	100.00	
	6	2437	20.44	21.00		
	11	2462	20.42	21.00		
	1	2412	18.50	18.00		
	2	2417	18.50	18.00		
	6	2437	23.00	21.00		
802.11g 6Mbps	10	2457	21.00	21.00	97.58	
	11	2462	17.50	18.00		
	1	2412	18.50	18.00		
	2	2417	18.50	18.00		
	6	2437	23.00	21.00		
	10	2457	21.00	21.00		
802.11n-HT20 MCS0	11	2462	17.50	18.00	98.19	Not Required
	1	2412	18.50	18.00		
	2	2417	18.50	18.00		
	6	2437	23.00	21.00		
	10	2457	21.00	21.00		
	11	2462	17.50	18.00		
802.11n-HT40 MCS0	3	2422	18.50	18.00	93.91	
	6	2437	18.50	18.00		
	9	2452	18.50	18.00		

Power Table 9						
2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	23.78	24.00	100.00	
	6	2437	23.98	24.00		
	11	2462	23.01	24.00		
	1	2412	18.20	18.50		
	2	2417	20.61	21.00		
	6	2437	22.95	23.00		
802.11g 6Mbps	10	2457	20.86	21.00	97.58	
	11	2462	17.14	17.50		
	1	2412	17.98	18.50		
	2	2417	20.12	21.00		
	6	2437	22.94	23.00		
	10	2457	20.11	21.00		
802.11n-HT20 MCS0	11	2462	16.93	17.50	98.19	Not Required
	1	2412	18.27	18.50		
	2	2417	20.12	21.00		
	6	2437	22.94	23.00		
	10	2457	20.11	21.00		
	11	2462	16.93	17.50		
802.11n-HT40 MCS0	3	2422	18.27	18.50	93.91	
	6	2437	17.25	18.50		
	9	2452	15.23	16.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	18.50	18.00	97.35	
	40	5200	18.50	18.00		
	44	5220	18.50	18.00		
	48	5240	18.50	18.00		
	36	5180	18.50	18.00		
	40	5200	18.50	18.00		
802.11n-HT20 MCS0	44	5220	18.50	18.00	97.93	Not Required
	48	5240	18.50	18.00		
	38	5190	17.00	17.50		
	46	5230	18.50	18.00		
	36	5180	18.50	18.00		
	40	5200	18.50	18.00		
802.11n-HT40 MCS0	44	5220	18.50	18.00	95.85	Not Required
	48	5240	18.50	18.00		
	38	5190	16.56	17.00		
	46	5230	22.56	23.00		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT20 MCS0	44	5220	20.11	20.50	97.15	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	20.85	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT40 MCS0	44	5220	20.11	20.50	95.88	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	20.85	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT80 MCS0	44	5220	18.50	18.00	91.84	17.87
	48	5240	18.50	18.00		
	42	5210	15.26	16.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	19.86	20.00	97.35	
	40	5200	19.41	20.00		
	44	5220	19.61	20.00		
	48	5240	19.41	20.00		
	36	5180	19.67	20.50		
	40	5200	19.92	20.50		
802.11n-HT20 MCS0	44	5220	20.16	20.50	97.93	Not Required
	48	5240	20.01	20.50		
	38	5190	16.56	17.00		
	46	5230	20.98	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11n-HT40 MCS0	44	5220	20.11	20.50	95.85	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	20.85	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT20 MCS0	44	5220	20.11	20.50	97.15	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	20.85	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT40 MCS0	44	5220	20.11	20.50	95.88	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	20.85	21.50		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT80 MCS0	44	5220	18.50	18.00	91.84	15.26
	48	5240	18.50	18.00		
	42	5210	15.26	16.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	19.86	20.00	97.35	
	40	5200	19.41	20.00		
	44	5220	19.61	20.00		
	48	5240	19.41	20.00		
	36	5180	19.67	20.50		
	40	5200	19.92	20.50		
802.11n-HT20 MCS0	44	5220	20.16	20.50	97.93	Not Required
	48	5240	20.01	20.50		
	38	5190	16.56	17.00		
	46	5230	22.56	23.00		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11n-HT40 MCS0	44	5220	20.11	20.50	95.85	Not Required
	48	5240	19.96	20.50		
	38	5190	16.56	17.00		
	46	5230	22.56	23.00		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT20 MCS0	44	5220	20.11	20.50	97.15	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	22.41	23.00		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT40 MCS0	44	5220	20.11	20.50	95.88	Not Required
	48	5240	19.96	20.50		
	38	5190	16.51	17.00		
	46	5230	22.41	23.00		
	36	5180	19.61	20.50		
	40	5200	19.76	20.50		
802.11ac-VHT80 MCS0	44	5220	18.50	18.00	91.84	15.26
	48	5240	18.50	18.00		
	42	5210	15.26	16.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	18.00	18.00	97.35	
	56	5280	18.00	18.00		
	60	5300	18.00	18.00		
	64	5320	18.00	18.00		
	52	5260	18.00	18.00		
	56	5280	18.00	18.00		
802.11n-HT20 MCS0	60	5300	18.00	18.00	97.93	Not Required
	64	5320	18.00	18.00		
	54	5270	18.00	18.00		
	62	5310	18.00	18.00		
	52	5260	18.00	18.00		
	56	5280	18.00	18.00		
802.11n-HT40 MCS0	64	5320	18.00	18.00	95.85	Not Required
	68	5340	18.00	18.00		
	54	5270	18.00	18.00		
	62	5310	18.00	18.00		
	52	5260	18.00	18.00		
	56	5280	18.00	18.00		
802.11ac-VHT20 MCS0	60	5300	18.00	18.00	97.15	Not Required
	64	5320	18.00	18.00		
	56	5280	18.00	18.00		
	60	5300	18.00	18.00		
	64	5320	18.00	18.00		
	54	5270	18.00	18.00		
802.11ac-VHT40 MCS0	64	5320	18.00	18.00	95.88	Not Required
	68	5340	18.00	18.00		
	54	5270	18.00	18.00		
	62	5310	18.00	18.00		
	52	5260	18.00	18.00		
	56	5280	18.00	18.00		
802.11ac-VHT80 MCS0	68	5340	18.00	18.00	91.84	17.87
	72	5360	18.00	18.00		
	58	5290	17.87	18.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.00	20.00	97.35	
	56	5280	20.00	20.00		
	60	5300	20.00	20.00		
	64	5320	20.00	20.00		
	52	5260	20.50	20.50		

Bluetooth Ant 4

BR / EDR

Power Table 2

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.99	6.70	6.71
	CH 39	2441	7.83	6.57	6.59
	CH 78	2480	7.93	6.66	6.75
Tune-up Limit			9	9	9

Power Table 1

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.69	12.19	12.20
	CH 39	2441	15.23	12.47	12.59
	CH 78	2480	15.28	12.72	12.67
Tune-up Limit			15.5	15.5	15.5

LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	9.00
	CH 19	2440	8.70
	CH 39	2480	8.50
Tune-up Limit			9

LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	9.00
	CH 19	2440	8.80
	CH 39	2480	8.50
Tune-up Limit			9