

DSI 2&4&6									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot		31.91	32.04	32.05		22.91	23.04	23.05	
GPRS 1 Tx slot		31.96	32.06	32.08	33.50	22.96	23.06	23.08	24.50
GPRS 2 Tx slots		30.81	30.62	30.52	32.50	24.81	24.62	24.52	26.50
GPRS 3 Tx slots		29.56	29.09	28.58	30.50	25.30	24.83	24.32	26.24
GPRS 4 Tx slots		27.54	27.01	26.55	28.50	24.54	24.01	23.55	25.50
EDGE 1 Tx slot		25.39	25.51	25.47	27.00	16.39	16.51	16.47	18.00
EDGE 2 Tx slots		24.37	24.45	24.40	25.50	18.37	18.45	18.40	19.50
EDGE 3 Tx slots		22.79	22.87	22.83	24.00	18.53	18.61	18.57	19.74
EDGE 4 Tx slots		21.19	21.32	21.26	22.50	18.19	18.32	18.26	19.50

DSI 2&4&6									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		29.46	29.47	29.19		20.46	20.47	20.19	
GPRS 1 Tx slot		29.50	29.50	29.27	30.50	20.50	20.50	20.27	21.50
GPRS 2 Tx slots		28.43	28.42	28.21	29.50	22.43	22.42	22.21	23.50
GPRS 3 Tx slots		26.58	26.61	26.42	28.00	22.32	22.35	22.16	23.74
GPRS 4 Tx slots		24.94	24.48	24.08	26.00	21.94	21.48	21.08	23.00
EDGE 1 Tx slot		24.55	24.66	24.74	26.00	15.55	15.66	15.74	17.00
EDGE 2 Tx slots		23.35	23.49	23.62	24.50	17.35	17.49	17.62	18.50
EDGE 3 Tx slots		21.70	21.82	21.94	23.00	17.44	17.56	17.68	18.74
EDGE 4 Tx slots		20.12	20.23	20.33	21.50	17.12	17.23	17.33	18.50

DSI 2&4&6													
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1728.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.18	22.86	23.01	24.00	23.06	23.07	23.01	24.00	22.87	23.01	22.89	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	22.95	23.03	24.00	23.10	23.12	23.06	24.00	22.95	23.06	22.96	24.00
3GPP Rel 6	HSDPA Subtest-1	22.26	22.00	22.05	23.00	22.11	22.13	22.08	23.00	21.97	22.07	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.00	22.04	23.00	22.10	22.16	22.09	23.00	21.99	21.76	21.96	23.00
3GPP Rel 6	HSDPA Subtest-3	21.78	21.50	21.52	22.50	21.63	21.63	21.60	22.50	21.50	21.57	21.15	22.50
3GPP Rel 6	HSDPA Subtest-4	21.78	21.50	21.35	22.50	21.58	21.62	21.60	22.50	21.50	21.23	21.48	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	21.99	21.95	23.50	22.06	22.08	22.00	23.50	21.88	22.06	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.30	21.96	21.99	23.50	22.03	22.10	22.05	23.50	21.90	21.76	21.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.76	21.47	21.52	23.00	21.54	21.60	21.51	23.00	21.42	21.49	21.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.71	21.42	21.25	23.00	21.52	21.60	21.53	23.00	21.47	21.21	21.43	23.00
3GPP Rel 6	HSUPA Subtest-1	22.27	22.02	22.04	23.00	22.11	22.08	22.04	23.00	21.93	22.08	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	20.27	19.99	20.06	21.00	20.11	20.11	20.07	21.00	19.93	19.91	19.92	21.00
3GPP Rel 6	HSUPA Subtest-3	21.27	21.00	21.06	22.00	21.10	21.06	21.02	22.00	20.88	20.94	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	20.28	20.04	19.98	21.00	20.16	20.17	20.10	21.00	19.97	19.94	19.86	21.00
3GPP Rel 6	HSUPA Subtest-5	22.30	22.00	22.10	23.00	22.10	22.10	22.60	23.00	22.00	21.90	21.90	23.00

DSI 2&4&6				
Band		CDMA BC0		
TX Channel		1013	384	777
Frequency (MHz)		824.7	836.52	848.31
RC1 S055		23.75	23.92	23.93
RC3 S055		23.73	23.98	23.90
RC3 S032 (F+SCF)		23.72	23.94	23.92
RC3 S032 (H+SCF)		23.71	23.95	23.92
RTAP 153.6Kbps		23.77	23.95	23.94
RETAP 4096bits		23.74	23.94	23.91

Band 2_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)									
20	QPSK	1	0	23.02	22.73	22.81	24	0	
20	QPSK	1	49	22.83	22.61	22.68			
20	QPSK	1	99	22.71	22.59	22.64	23	1	
20	QPSK	50	0	22.68	21.82	21.88			
20	QPSK	50	24	22.07	21.82	21.84			
20	QPSK	50	50	21.93	21.78	21.85			
20	QPSK	100	0	22.06	21.80	21.76	22	2	
20	16QAM	1	0	22.35	22.10	22.09			
20	16QAM	1	49	22.22	22.02	22.02			
20	16QAM	1	99	22.04	21.93	22.03			
20	16QAM	50	0	21.11	20.83	20.78	21	3	
20	16QAM	50	24	21.09	20.83	20.86			
20	16QAM	50	50	20.96	20.79	20.85			
20	16QAM	100	0	21.06	20.79	20.79			
20	64QAM	1	0	21.27	20.93	20.97	22	2	
20	64QAM	1	49	21.09	20.83	20.93			
20	64QAM	1	99	20.88	20.79	20.86	23	1	
20	64QAM	50	0	20.14	19.86	19.90			
20	64QAM	50	24	20.10	19.85	19.89			
20	64QAM	50	50	19.98	19.81	19.90			
20	64QAM	100	0	20.08	19.85	19.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.95	22.69	22.80	24	0	
15	QPSK	1	37	22.80	22.54	22.62			
15	QPSK	1	74	22.67	22.56	22.55	23	1	
15	QPSK	36	0	22.04	21.72	21.78			
15	QPSK	36	20	21.99	21.73	21.79			
15	QPSK	36	39	21.93	21.71	21.78			
15	QPSK	75	0	22.04	21.74	21.71	23	1	
15	16QAM	1	0	22.31	22.06	21.99			
15	16QAM	1	37	22.19	21.97	21.94			
15	16QAM	1	74	22.01	21.91	22.01			
15	16QAM	36	0	21.10	20.81	20.73	22	2	
15	16QAM	36	20	21.08	20.76	20.79			
15	16QAM	36	39	20.95	20.76	20.79			
15	16QAM	75	0	20.98	20.74	20.76			
15	64QAM	1	0	21.24	20.90	20.87	22	2	
15	64QAM	1	37	21.09	20.79	20.86			
15	64QAM	1	74	20.87	20.73	20.86	21	3	
15	64QAM	36	0	20.10	19.82	19.77			
15	64QAM	36	20	20.08	19.83	19.81	21	3	
15	64QAM	36	39	19.89	19.76	19.84			
15	64QAM	75	0	20.06	19.75	19.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.00	22.73	22.78	24	0	
10	QPSK	1	25	22.80	22.60	22.67			
10	QPSK	1	49	22.67	22.51	22.60	23	1	
10	QPSK	25	0	22.05	21.79	21.81			
10	QPSK	25	13	22.02	21.73	21.82			
10	QPSK	25	25	21.93	21.76	21.84			
10	QPSK	50	0	22.03	21.72	21.71	23	1	
10	16QAM	1	0	22.29	22.03	22.09			
10	16QAM	1	25	22.22	21.93	22.02			
10	16QAM	1	49	22.00	21.83	21.97			
10	16QAM	25	0	21.09	20.81	20.73	22	2	
10	16QAM	25	12	21.06	20.78	20.79			
10	16QAM	25	25	20.96	20.72	20.85	22	2	
10	16QAM	50	0	21.01	20.70	20.76			
10	64QAM	1	0	21.21	20.87	20.86	22	2	
10	64QAM	1	25	21.09	20.74	20.85			
10	64QAM	1	49	20.78	20.78	20.80	21	3	
10	64QAM	25	0	20.04	19.75	19.78			
10	64QAM	25	12	20.08	19.76	19.80	21	3	
10	64QAM	25	25	19.94	19.71	19.84			
10	64QAM	50	0	19.99	19.75	19.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.97	22.67	22.75	24	0	
5	QPSK	1	12	22.78	22.57	22.63			
5	QPSK	1	24	22.64	22.63	22.54	23	1	
5	QPSK	12	0	21.98	21.82	21.84			
5	QPSK	12	7	22.01	21.75	21.79			
5	QPSK	12	13	21.90	21.70	21.82			
5	QPSK	25	0	21.96	21.79	21.71	23	1	
5	16QAM	1	0	22.35	22.01	22.01			
5	16QAM	1	12	22.17	21.92	21.93			
5	16QAM	1	24	21.98	21.91	21.95			
5	16QAM	12	0	21.05	20.75	20.78	22	2	
5	16QAM	12	7	21.02	20.80	20.86			
5	16QAM	12	13	20.91	20.75	20.75	22	2	
5	16QAM	25	0	21.05	20.79	20.75			
5	64QAM	1	0	21.23	20.96	20.92	22	2	
5	64QAM	1	12	21.06	20.81	20.83			
5	64QAM	1	24	20.86	20.70	20.80	21	3	
5	64QAM	12	0	20.09	19.77	19.74			
5	64QAM	12	7	20.00	19.81	19.81	21	3	
5	64QAM	12	13	19.89	19.72	19.89			
5	64QAM	25	0	20.00	19.85	19.81			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.94	22.70	22.73	24	0	
3	QPSK	1	8	22.77	22.61	22.59			
3	QPSK	1	14	22.63	22.57	22.62	23	1	
3	QPSK	8	0	22.08	21.74	21.85			
3	QPSK	8	4	22.04	21.77	21.83			
3	QPSK	15	0	22.05	21.80	21.66			
3	16QAM	1	0	22.28	22.06	22.01	23	1	
3	16QAM	1	8	22.21	21.98	21.62			
3	16QAM	1	14	21.95	21.86	22.00			
3	16QAM	8	0	21.10	20.82	20.78			
3	16QAM	8	4	21.08	20.74	20.85	22	2	
3	16QAM	8	7	20.90	20.73	20.84			
3	16QAM	15	0	21.03	20.92	20.77	22	2	
3	16QAM	1	0	21.22	20.91	20.92			
3	64QAM	1	8	21.04	20.74	20.83			
3	64QAM	1	14	20.84	20.70	20.86			
3	64QAM	8	0	20.07	19.77	19.79	21	3	
3	64QAM	8	4	20.06	19.56	19.75			
3	64QAM	8	7	19.88	19.68	19.83			
3	64QAM	15	0	20.04	19.84	19.90			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.00	22.64	22.73	24	0	
1.4	QPSK	1	3	22.83	22.54	22.68			
1.4	QPSK	1	5	22.62	22.55	22.55	23	1	
1.4	QPSK	3	0	22.79	22.60	22.66			
1.4	QPSK	3	1	22.84	22.57	22.56			
1.4	QPSK	3	3	22.67	22.49	22.64			
1.4	QPSK	6	0	22.37	22.12	22.10	23	1	
1.4	16QAM	1	0	22.35	21.96	22.08			
1.4	16QAM	1	3	22.15	21.94	22.01			
1.4	16QAM	1	5	21.99	21.88	21.96			
1.4	16QAM	3	0	22.01	21.82	21.72	22	2	
1.4	16QAM	3	1	22.00	21.77	21.82			
1.4	16QAM	3	3	21.95	21.75	21.83			
1.4	16QAM	6	0	21.41	21.15	21.14			
1.4	64QAM	1	0	21.18	20.87	20.91	22	2	
1.4	64QAM	1	3	21.07	20.75	20.84			
1.4	64QAM	1	5	20.87	20.70	20.85			
1.4	64QAM	3	1	21.06	20.83	20.72			
1.4	64QAM	3	3	21.02	20.79	20.80	21	3	
1.4	64QAM	6	0	20.39	20.24	20.17			

Band 4_Ant2 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.	Turn-up limit (dBm)	MPR (dB)			
Channel							Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)											
20	QPSK	1	0	20.92	20.91	20.89	22	0			
20	QPSK	1	49	20.71	20.71	20.68					
20	QPSK	1	99	20.74	20.66	20.62					
20	QPSK	50	0	20.01	19.97	19.91					
20	QPSK	50	24	19.97	19.88	19.82	21	1			
20	QPSK	50	50	19.92	19.85	19.78					
20	QPSK	100	0	19.93	19.92	19.79					
20	16QAM	1	0	20.21	20.28	20.25					
20	16QAM	1	49	20.10	20.07	20.01	21	1			
20	16QAM	1	99	20.04	19.95	19.87					
20	16QAM	50	0	19.98	19.89	19.83					
20	16QAM	50	24	19.00	18.90	18.82					
20	16QAM	50	50	18.91	18.86	18.80	20	2			
20	16QAM	100	0	18.95	18.89	18.81					
20	64QAM	1	0	19.12	19.10	19.10					
20	64QAM	1	49	18.90	18.95	18.89					
20	64QAM	1	99	18.91	18.86	18.84	20	2			
20	64QAM	50	0	18.90	18.01	17.84					
20	64QAM	50	24	18.03	17.94	17.85					
20	64QAM	50	50	17.94	17.89	17.84					
20	64QAM	100	0	18.03	17.91	17.83	19	3			
Channel								Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)											
15	QPSK	1	0	20.98	20.87	20.79	22	0			
15	QPSK	1	37	20.65	20.67	20.61					
15	QPSK	1	74	20.73	20.64	20.54					
15	QPSK	36	0	19.98	19.96	19.81					
15	QPSK	36	20	19.96	19.86	19.75	21	1			
15	QPSK	36	39	19.83	19.85	19.78					
15	QPSK	75	0	19.89	19.87	19.74					
15	16QAM	1	0	20.18	20.19	20.25					
15	16QAM	1	37	20.00	20.02	19.95	21	1			
15	16QAM	1	74	19.96	19.95	19.77					
15	16QAM	36	0	18.93	18.97	18.87					
15	16QAM	36	20	18.98	18.81	18.82					
15	16QAM	36	39	18.88	18.83	18.77	20	2			
15	16QAM	75	0	18.94	18.87	18.75					
15	64QAM	1	0	19.02	19.02	19.06					
15	64QAM	1	37	18.92	18.91	18.80					
15	64QAM	1	74	18.90	18.81	18.76	20	2			
15	64QAM	36	0	17.97	17.98	17.84					
15	64QAM	36	20	17.97	17.84	17.78					
15	64QAM	36	39	17.88	17.79	17.78					
15	64QAM	75	0	18.03	17.85	17.79	19	3			
Channel								Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)											
10	QPSK	1	0	20.91	20.81	20.86	22	0			
10	QPSK	1	25	20.61	20.63	20.66					
10	QPSK	1	49	20.71	20.59	20.62					
10	QPSK	25	0	19.96	19.88	19.82					
10	QPSK	25	12	19.98	19.84	19.80	21	1			
10	QPSK	25	25	19.91	19.78	19.71					
10	QPSK	50	0	19.87	19.83	19.77					
10	16QAM	1	0	20.13	20.27	20.18					
10	16QAM	1	25	20.09	20.04	19.96	21	1			
10	16QAM	1	49	20.02	19.88	19.79					
10	16QAM	25	0	18.89	18.91	18.87					
10	16QAM	25	12	18.99	18.90	18.72					
10	16QAM	25	25	18.81	18.84	18.73	20	2			
10	16QAM	50	0	18.91	18.84	18.73					
10	64QAM	1	0	19.12	19.10	19.02					
10	64QAM	1	25	18.85	18.93	18.79					
10	64QAM	1	49	18.88	18.79	18.76	20	2			
10	64QAM	25	0	17.96	17.98	17.92					
10	64QAM	25	12	18.00	17.91	17.76					
10	64QAM	25	25	17.87	17.86	17.83					
10	64QAM	50	0	17.93	17.85	17.83	19	3			
Channel								Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)											
5	QPSK	1	0	20.86	20.82	20.89	22	0			
5	QPSK	1	12	20.68	20.69	20.66					
5	QPSK	1	24	20.73	20.66	20.54					
5	QPSK	12	0	19.93	19.94	19.89					
5	QPSK	12	7	19.91	19.82	19.77	21	1			
5	QPSK	12	13	19.87	19.79	19.76					
5	QPSK	25	0	19.83	19.91	19.77					
5	16QAM	1	0	20.17	20.27	20.21					
5	16QAM	1	12	20.05	20.02	20.01	21	1			
5	16QAM	1	24	20.04	19.87	19.82					
5	16QAM	12	0	18.91	18.92	18.83					
5	16QAM	12	7	18.98	18.89	18.80					
5	16QAM	12	13	18.90	18.79	18.77	20	2			
5	16QAM	25	0	18.92	18.82	18.79					
5	64QAM	1	0	19.08	19.02	19.08					
5	64QAM	1	12	18.87	18.94	18.89					
5	64QAM	1	24	18.84	18.80	18.82	20	2			
5	64QAM	12	0	17.98	18.00	17.85					
5	64QAM	12	7	18.03	17.94	17.84					
5	64QAM	12	13	17.90	17.80	17.84					
5	64QAM	25	0	18.01	17.85	17.79	19	3			
Channel								Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)											
3	QPSK	1	0	20.88	20.84	20.80	22	0			
3	QPSK	1	8	20.71	20.71	20.67					
3	QPSK	1	14	20.65	20.56	20.54					
3	QPSK	8	0	19.91	19.92	19.87					
3	QPSK	8	4	19.93	19.82	19.72	21	1			
3	QPSK	8	7	19.90	19.83	19.70					
3	QPSK	15	0	19.93	19.88	19.79					
3	16QAM	1	0	20.13	20.26	20.20					
3	16QAM	1	8	20.01	19.99	19.94	21	1			
3	16QAM	1	14	19.95	19.91	19.82					
3	16QAM	8	0	18.98	18.99	18.92					
3	16QAM	8	4	18.96	18.82	18.80					
3	16QAM	8	7	18.88	18.77	18.77	20	2			
3	16QAM	15	0	18.90	18.86	18.77					
3	64QAM	1	0	19.12	19.02	19.05					
3	64QAM	1	8	18.87	18.87	18.83					
3	64QAM	1	14	18.90	18.84	18.84	20	2			
3	64QAM	8	0	17.92	18.01	17.89					
3	64QAM	8	4	18.02	17.85	17.80					
3	64QAM	8	7	17.88	17.79	17.75	19	3			
3	64QAM	15	0	18.01	17.84	17.76					
Channel								Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)											
1.4	QPSK	1	0	20.91	20.82	20.88	22	0			
1.4	QPSK	1	3	20.70	20.67	20.59					
1.4	QPSK	1	5	20.64	20.60	20.58					
1.4	QPSK	3	0	20.82	20.69	20.68					
1.4	QPSK	3	1	20.61	20.62	20.64	21	1			
1.4	QPSK	3	3	20.66	20.62	20.56					
1.4	QPSK	6	0	19.87	19.85	19.78					
1.4	16QAM	1	0	20.21	20.26	20.16					
1.4	16QAM	1	3	20.06	20.03	19.97	21	1			
1.4	16QAM	1	5	19.95	19.92	19.86					
1.4	16QAM	3	0	20.14	20.28	20.23					
1.4	16QAM	3	1	20.09	20.07	19.94					
1.4	16QAM	3	3	19.96	19.87	19.78	20	2			
1.4	16QAM	6	0	18.89	18.82	18.80					
1.4	64QAM	1	0	19.09	19.03	19.00					
1.4	64QAM	1	3	18.89	18.85	18.80					
1.4	64QAM	3	0	18.94	18.94	18.89	20	2			
1.4	64QAM	3	1	18.90	18.83	18.82					
1.4	64QAM	3	3	18.82	18.82	18.75					
1.4	64QAM	6	0	17.94	17.84	17.82	19	3			

Band 7_Ant 1 DSI 284									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				2010	21100	21350			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	22.86	23.22	23.03	24	0	
20	QPSK	1	49	22.84	23.20	23.01			
20	QPSK	1	99	22.80	23.10	22.98	23	1	
20	QPSK	50	0	22.05	22.28	22.19			
20	QPSK	50	24	22.01	22.27	22.16	23	1	
20	QPSK	50	50	21.95	22.20	22.12			
20	QPSK	100	0	21.98	22.25	22.18	23	1	
20	16QAM	1	0	22.11	22.39	22.38			
20	16QAM	1	49	22.18	22.52	22.42	22	2	
20	16QAM	1	99	22.32	22.55	22.36			
20	16QAM	50	0	20.87	21.28	21.17	22	2	
20	16QAM	50	24	21.03	21.28	21.11			
20	16QAM	50	50	21.07	21.28	21.11	22	2	
20	16QAM	100	0	20.99	21.23	21.18			
20	64QAM	1	0	20.98	21.18	21.30	22	2	
20	64QAM	1	49	21.08	21.40	21.24			
20	64QAM	1	99	21.26	21.35	20.93	21	3	
20	64QAM	50	0	19.91	20.24	20.18			
20	64QAM	50	24	20.05	20.29	20.24	21	3	
20	64QAM	50	50	20.06	20.32	20.13			
20	64QAM	100	0	20.01	20.27	20.20	Turn-up limit (dBm) MPR (dB)		
Channel				20025	21100	21375			
Frequency (MHz)				2007.5	2035	2062.5			
15	QPSK	1	0	22.76	23.19	23.03	24	0	
15	QPSK	1	37	22.76	23.20	22.93			
15	QPSK	1	74	22.78	23.08	22.94	23	1	
15	QPSK	36	0	22.04	22.26	22.18			
15	QPSK	36	20	21.92	22.19	22.07	23	1	
15	QPSK	36	39	21.88	22.20	22.06			
15	QPSK	75	0	21.90	22.20	22.16	23	1	
15	16QAM	1	0	22.08	22.32	22.33			
15	16QAM	1	37	22.18	22.49	22.33	22	2	
15	16QAM	1	74	22.31	22.48	22.34			
15	16QAM	36	0	20.87	21.13	21.10	21	3	
15	16QAM	36	20	20.97	21.24	21.19			
15	16QAM	36	39	21.04	21.18	21.02	22	2	
15	16QAM	75	0	20.91	21.13	21.08			
15	64QAM	1	0	20.96	21.08	21.27	22	2	
15	64QAM	1	37	21.02	21.30	21.18			
15	64QAM	1	74	21.18	21.28	20.90	21	3	
15	64QAM	36	0	19.81	20.18	20.13			
15	64QAM	36	20	19.96	20.21	20.15	21	3	
15	64QAM	36	39	19.97	20.26	20.03			
15	64QAM	75	0	19.97	20.18	20.18	Turn-up limit (dBm) MPR (dB)		
Channel				20000	21100	21400			
Frequency (MHz)				2005	2035	2065			
10	QPSK	1	0	22.84	23.19	23.00	24	0	
10	QPSK	1	25	22.74	23.10	22.98			
10	QPSK	1	49	22.72	23.03	22.90	23	1	
10	QPSK	25	0	22.02	22.19	22.16			
10	QPSK	25	12	21.99	22.22	22.07	23	1	
10	QPSK	25	25	21.90	22.15	22.06			
10	QPSK	50	0	21.93	22.22	22.17	23	1	
10	16QAM	1	0	22.01	22.37	22.35			
10	16QAM	1	25	22.16	22.50	22.38	22	2	
10	16QAM	1	49	22.25	22.48	22.33			
10	16QAM	25	0	20.77	21.14	21.12	22	2	
10	16QAM	25	12	20.98	21.21	21.11			
10	16QAM	25	25	21.00	21.27	21.07	22	2	
10	16QAM	50	0	20.99	21.13	21.12			
10	64QAM	1	0	20.99	21.17	21.30	22	2	
10	64QAM	1	25	20.98	21.31	21.23			
10	64QAM	1	49	21.25	21.32	20.89	21	3	
10	64QAM	25	0	19.88	20.15	20.10			
10	64QAM	25	12	20.00	20.21	20.20	21	3	
10	64QAM	25	25	19.97	20.24	20.13			
10	64QAM	50	0	19.94	20.19	20.17	Turn-up limit (dBm) MPR (dB)		
Channel				20075	21100	21425			
Frequency (MHz)				2002.5	2035	2067.5			
5	QPSK	1	0	22.86	23.20	23.03	24	0	
5	QPSK	1	12	22.83	23.10	22.96			
5	QPSK	1	24	22.72	23.10	22.93	23	1	
5	QPSK	12	0	22.02	22.23	22.12			
5	QPSK	12	7	21.98	22.27	22.15	23	1	
5	QPSK	12	13	21.95	22.10	22.11			
5	QPSK	25	0	21.95	22.19	22.11	23	1	
5	16QAM	1	0	22.01	22.39	22.28			
5	16QAM	1	12	22.10	22.45	22.38	22	2	
5	16QAM	1	24	22.31	22.51	22.36			
5	16QAM	12	0	20.86	21.14	21.11	21	3	
5	16QAM	12	7	21.02	21.20	21.09			
5	16QAM	12	13	20.98	21.23	21.09	22	2	
5	16QAM	25	0	20.90	21.17	21.10			
5	64QAM	1	0	20.94	21.08	21.27	22	2	
5	64QAM	1	12	21.04	21.38	21.18			
5	64QAM	1	24	21.18	21.35	20.97	21	3	
5	64QAM	12	0	19.86	20.15	20.18			
5	64QAM	12	7	20.05	20.26	20.17	21	3	
5	64QAM	12	13	19.99	20.31	20.08			
5	64QAM	25	0	19.99	20.26	20.12	Turn-up limit (dBm) MPR (dB)		

Band 7_Ant2 DSI 28486									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				20050	21100	21350			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	21.00	21.17	20.94	22	0	
20	QPSK	1	49	20.84	21.13	20.88			
20	QPSK	1	99	20.74	21.13	20.93			
20	QPSK	50	0	20.07	20.21	20.10	21	1	
20	QPSK	50	24	20.02	20.20	20.07			
20	QPSK	50	50	20.04	20.12	19.98			
20	QPSK	100	0	20.05	20.11	20.06	21	1	
20	16QAM	1	0	20.09	20.31	20.23			
20	16QAM	1	49	20.24	20.51	20.24			
20	16QAM	1	99	20.36	20.46	20.29	20	2	
20	16QAM	50	0	18.88	19.16	19.05			
20	16QAM	50	24	19.03	19.22	19.08			
20	16QAM	50	50	19.04	19.23	19.02	20	2	
20	16QAM	100	0	18.99	19.16	19.05			
20	64QAM	1	0	18.93	19.20	19.16			
20	64QAM	1	49	19.05	19.36	19.16	20	2	
20	64QAM	1	99	19.22	19.36	18.96			
20	64QAM	50	0	17.97	18.17	18.08			
20	64QAM	50	24	18.05	18.24	18.11	19	3	
20	64QAM	50	50	18.06	18.24	18.01			
20	64QAM	100	0	18.00	18.20	18.11			
Channel				20025 <th>21100</th> <th>21375</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	21100	21375	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2007.5	2035	2062.5			
15	QPSK	1	0	20.90	21.09	20.88	22	0	
15	QPSK	1	37	20.74	21.11	20.78			
15	QPSK	1	74	20.73	21.08	20.91			
15	QPSK	36	0	20.06	20.18	20.07	21	1	
15	QPSK	36	20	19.96	20.13	20.00			
15	QPSK	36	39	20.00	20.11	19.90			
15	QPSK	75	0	20.03	20.01	20.06	21	1	
15	16QAM	1	0	20.09	20.31	20.13			
15	16QAM	1	37	20.18	20.47	20.18			
15	16QAM	1	74	20.31	20.39	20.23	21	1	
15	16QAM	36	0	18.79	19.12	18.99			
15	16QAM	36	20	18.96	19.17	18.95			
15	16QAM	36	39	19.01	19.21	18.93	20	2	
15	16QAM	75	0	18.99	19.12	18.95			
15	64QAM	1	0	18.85	19.18	19.13			
15	64QAM	1	37	18.97	19.32	19.12	20	2	
15	64QAM	1	74	19.21	19.36	18.89			
15	64QAM	36	0	17.88	18.10	18.05			
15	64QAM	36	20	17.99	18.24	18.05	19	3	
15	64QAM	36	39	18.03	18.16	17.94			
15	64QAM	75	0	17.92	18.17	18.03			
Channel				20000	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20050	2035	2065			
10	QPSK	1	0	20.98	21.10	20.94	22	0	
10	QPSK	1	25	20.79	21.13	20.84			
10	QPSK	1	49	20.66	21.10	20.86			
10	QPSK	25	0	20.00	20.16	20.08	21	1	
10	QPSK	25	12	19.99	20.11	20.04			
10	QPSK	25	25	19.94	20.04	19.93			
10	QPSK	50	0	20.03	20.08	20.01	21	1	
10	16QAM	1	0	20.02	20.22	20.15			
10	16QAM	1	25	20.22	20.41	20.14			
10	16QAM	1	49	20.34	20.42	20.25	20	2	
10	16QAM	25	0	18.83	19.13	18.98			
10	16QAM	25	12	19.01	19.12	19.02			
10	16QAM	25	25	19.02	19.21	19.01	20	2	
10	16QAM	50	0	18.91	19.20	19.06			
10	64QAM	1	0	18.86	19.20	19.06			
10	64QAM	1	25	19.00	19.27	19.14	20	2	
10	64QAM	1	49	19.20	19.26	18.87			
10	64QAM	25	0	17.89	18.11	18.01			
10	64QAM	25	12	17.96	18.15	18.01	19	3	
10	64QAM	25	25	18.03	18.21	17.94			
10	64QAM	50	0	17.97	18.14	18.08			
Channel				20075	21100	21425	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2052.5	2035	2067.5			
5	QPSK	1	0	20.94	21.09	20.84	22	0	
5	QPSK	1	12	20.83	21.06	20.88			
5	QPSK	1	24	20.66	21.08	20.90			
5	QPSK	12	0	20.05	20.15	20.02	21	1	
5	QPSK	12	7	19.93	20.14	20.05			
5	QPSK	12	13	20.02	20.12	19.93			
5	QPSK	25	0	19.97	20.01	20.05	21	1	
5	16QAM	1	0	20.00	20.30	20.21			
5	16QAM	1	12	20.19	20.50	20.20			
5	16QAM	1	24	20.28	20.36	20.21	20	2	
5	16QAM	12	0	18.86	19.09	18.99			
5	16QAM	12	7	19.03	19.21	18.99			
5	16QAM	12	13	18.94	19.18	18.92	20	2	
5	16QAM	25	0	18.89	19.13	19.05			
5	64QAM	1	0	18.89	19.29	19.09			
5	64QAM	1	12	19.03	19.32	19.12	20	2	
5	64QAM	1	24	19.15	19.34	18.99			
5	64QAM	12	0	17.90	18.10	18.02			
5	64QAM	12	7	18.03	18.21	18.03	19	3	
5	64QAM	12	13	18.04	18.15	17.91			
5	64QAM	25	0	17.90	18.16	18.04			

Band 12_Ant2 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				704	707.5	711	23	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.13	22.08	21.90	23	0	
10	QPSK	1	25	21.84	21.92	21.91			
10	QPSK	1	49	22.00	22.02	21.92			
10	QPSK	25	0	21.11	21.16	21.10			
10	QPSK	25	12	21.09	21.08	21.04	22	1	
10	QPSK	25	25	21.01	21.02	21.03			
10	QPSK	50	0	21.10	21.13	21.07			
10	16QAM	1	0	21.16	21.16	21.28			
10	16QAM	1	25	21.20	21.29	21.29	22	1	
10	16QAM	1	49	21.34	21.34	21.34			
10	16QAM	25	0	20.00	20.09	20.07			
10	16QAM	25	12	20.10	20.08	20.06			
10	16QAM	25	25	20.08	20.08	20.07	21	2	
10	16QAM	50	0	20.08	20.06	20.07			
10	64QAM	1	0	20.08	20.13	20.14			
10	64QAM	1	25	20.21	20.24	20.25			
10	64QAM	1	49	20.29	20.25	20.18	21	2	
10	64QAM	25	0	19.05	19.10	19.10			
10	64QAM	25	12	19.13	19.15	19.14			
10	64QAM	25	25	19.09	19.17	19.14			
10	64QAM	50	0	19.13	19.12	19.10	20	3	
Channel				23035	23095	23165			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.03	22.08	21.83	23	0	
5	QPSK	1	12	21.81	21.91	21.91			
5	QPSK	1	24	21.92	21.98	21.83			
5	QPSK	12	0	21.06	21.06	21.05			
5	QPSK	12	7	21.06	20.98	20.97	22	1	
5	QPSK	12	13	20.90	20.98	21.03			
5	QPSK	25	0	21.09	21.05	21.04			
5	16QAM	1	0	21.16	21.14	21.24			
5	16QAM	1	12	21.18	21.20	21.28	22	1	
5	16QAM	1	24	21.29	21.27	21.34			
5	16QAM	12	0	19.91	20.00	19.98			
5	16QAM	12	7	20.01	20.05	20.04			
5	16QAM	12	13	20.00	20.05	20.02	21	2	
5	16QAM	25	0	20.08	20.05	20.03			
5	64QAM	1	0	19.99	20.11	20.05			
5	64QAM	1	12	20.10	20.17	20.20			
5	64QAM	1	24	20.19	20.19	20.12	21	2	
5	64QAM	12	0	19.01	19.02	19.00			
5	64QAM	12	7	19.09	19.05	19.11			
5	64QAM	12	13	19.09	19.17	19.07			
5	64QAM	25	0	19.13	19.03	19.00	20	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.99	21.98	21.85	23	0	
3	QPSK	1	8	21.75	21.89	21.88			
3	QPSK	1	14	22.00	21.94	21.90			
3	QPSK	8	0	21.11	21.14	21.01			
3	QPSK	8	4	21.03	21.03	20.99	22	1	
3	QPSK	8	7	21.00	21.01	20.98			
3	QPSK	16	0	21.06	21.09	21.03			
3	16QAM	1	0	21.08	21.12	21.19			
3	16QAM	1	8	21.20	21.25	21.26	22	1	
3	16QAM	1	14	21.28	21.31	21.25			
3	16QAM	8	0	19.93	20.09	19.98			
3	16QAM	8	4	20.08	19.98	20.00			
3	16QAM	8	7	20.06	20.00	20.00	21	2	
3	16QAM	16	0	20.01	20.03	20.04			
3	64QAM	1	0	20.08	20.05	20.05			
3	64QAM	1	8	20.12	20.22	20.19			
3	64QAM	1	14	20.29	20.25	20.16	21	2	
3	64QAM	8	0	19.01	19.04	19.04			
3	64QAM	8	4	19.03	19.05	19.11			
3	64QAM	8	7	18.99	19.13	19.06			
3	64QAM	16	0	19.10	19.10	19.01	20	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.05	22.04	21.90	23	0	
1.4	QPSK	1	3	21.81	21.83	21.82			
1.4	QPSK	1	5	21.98	21.98	21.85			
1.4	QPSK	3	0	21.05	21.15	21.05			
1.4	QPSK	3	1	21.01	21.01	21.02	22	1	
1.4	QPSK	3	3	20.98	20.94	20.96			
1.4	QPSK	6	0	21.04	21.04	21.06			
1.4	16QAM	1	0	21.17	21.06	21.23			
1.4	16QAM	1	3	21.22	21.23	21.19	22	1	
1.4	16QAM	1	5	21.27	21.31	21.29			
1.4	16QAM	3	0	19.94	20.03	20.02			
1.4	16QAM	3	1	20.04	20.03	19.96			
1.4	16QAM	3	3	20.05	19.98	20.05	21	2	
1.4	16QAM	6	0	20.04	20.09	19.98			
1.4	64QAM	1	0	19.99	20.04	20.10			
1.4	64QAM	1	3	20.20	20.24	20.23			
1.4	64QAM	1	5	20.24	20.21	20.16	21	2	
1.4	64QAM	3	0	18.97	19.04	19.03			
1.4	64QAM	3	1	19.06	19.05	19.08			
1.4	64QAM	3	3	19.02	19.16	19.08			
1.4	64QAM	6	0	19.03	19.07	19.05	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				752			24	0	
Frequency (MHz)				752					
10	QPSK	1	0		22.43	22.32	24	0	
10	QPSK	1	25		22.32	22.32			
10	QPSK	1	49		22.27	22.27			
10	QPSK	25	0		21.52	21.52			
10	QPSK	25	12		21.48	21.48	23	1	
10	QPSK	25	25		21.48	21.48			
10	QPSK	50	0		21.52	21.52			
10	16QAM	1	0		21.82	21.82			
10	16QAM	1	25		21.76	21.76	23	1	
10	16QAM	1	49		21.68	21.68			
10	16QAM	25	0		20.52	20.52			
10	16QAM	25	12		20.49	20.49			
10	16QAM	25	25		20.51	20.51	22	2	
10	16QAM	50	0		20.46	20.46			
10	64QAM	1	0		20.70	20.70			
10	64QAM	1	25		20.65	20.65			
10	64QAM	1	49		20.61	20.61	22	2	
10	64QAM	25	0		19.53	19.53			
10	64QAM	25	12		19.50	19.50			
10	64QAM	25	25		19.53	19.53			
10	64QAM	50	0		19.56	19.56	21	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0		22.38	22.35	24	0	
5	QPSK	1	12		22.26	22.27			
5	QPSK	1	24		22.27	22.27			
5	QPSK	12	0		21.51	21.48			
5	QPSK	12	7		21.43	21.42	23	1	
5	QPSK	12	13		21.48	21.48			
5	QPSK	25	0		21.52	21.43			
5	16QAM	1	0		21.78	21.77			
5	16QAM	1	12		21.72	21.71	23	1	
5	16QAM	1	24		21.67	21.64			
5	16QAM	12	0		20.42	20.50			
5	16QAM	12	0		20.42	20.50			
5	16QAM	12	7		20.41	20.42	22	2	
5	16QAM	12	13		20.47	20.46			
5	16QAM	25	0		20.40	20.42			
5	64QAM	1	0		20.64	20.66			
5	64QAM	1	12		20.55	20.54	22	2	
5	64QAM	1	24		20.51	20.55			
5	64QAM	12	0		19.51	19.51			
5	64QAM	12	7		19.50	19.49			
5	64QAM	12	13		19.49	19.47	21	3	
5	64QAM	25	0		19.55	19.51			

Band 17_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				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.65	22.67	22.68	24	0	
10	QPSK	1	25	22.60	22.65	22.64			
10	QPSK	1	49	22.55	22.57	22.56			
10	QPSK	25	0	21.75	21.80	21.85	23	1	
10	QPSK	25	12	21.75	21.77	21.78			
10	QPSK	25	25	21.70	21.76	21.71			
10	QPSK	50	0	21.78	21.82	21.75	23	1	
10	16QAM	1	0	21.94	21.92	21.95			
10	16QAM	1	25	22.01	22.03	22.02			
10	16QAM	1	49	22.08	22.01	22.03	22	2	
10	16QAM	25	0	20.70	20.69	20.70			
10	16QAM	25	12	20.86	20.79	20.76			
10	16QAM	25	25	20.79	20.80	20.80	22	2	
10	16QAM	50	0	20.80	20.75	20.74			
10	64QAM	1	0	20.79	20.76	20.77			
10	64QAM	1	25	20.92	20.95	20.94	22	2	
10	64QAM	1	49	21.02	20.93	20.91			
10	64QAM	25	0	19.72	19.74	19.76			
10	64QAM	25	12	19.87	19.81	19.82	21	3	
10	64QAM	25	25	19.86	19.88	19.88			
10	64QAM	50	0	19.87	19.73	19.79			
Channel				23755	23790	23805	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.60	22.66	22.62	24	0	
5	QPSK	1	12	22.52	22.58	22.56			
5	QPSK	1	24	22.45	22.48	22.54			
5	QPSK	12	0	21.65	21.83	21.84	23	1	
5	QPSK	12	7	21.69	21.74	21.74			
5	QPSK	12	13	21.70	21.70	21.64			
5	QPSK	25	0	21.75	21.72	21.68	23	1	
5	16QAM	1	0	21.84	21.90	21.92			
5	16QAM	1	12	21.93	22.01	21.92			
5	16QAM	1	24	21.98	22.00	21.99	22	2	
5	16QAM	12	0	20.69	20.64	20.65			
5	16QAM	12	7	20.80	20.74	20.76			
5	16QAM	12	13	20.79	20.77	20.70	22	2	
5	16QAM	25	0	20.78	20.75	20.74			
5	64QAM	1	0	20.72	20.69	20.71			
5	64QAM	1	12	20.99	20.87	20.89	22	2	
5	64QAM	1	24	20.92	20.92	20.82			
5	64QAM	12	0	19.62	19.72	19.72			
5	64QAM	12	7	19.84	19.79	19.82	21	3	
5	64QAM	12	13	19.83	19.79	19.81			
5	64QAM	25	0	19.80	19.66	19.78			

Band 17_Ant2 DSI 2&4&6&3&5									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.12	22.05	22.03	23	0	
10	QPSK	1	25	21.89	21.92	21.92			
10	QPSK	1	49	22.03	21.93	21.92			
10	QPSK	25	0	21.15	21.01	21.00	22	1	
10	QPSK	25	12	21.13	20.97	20.96			
10	QPSK	25	25	21.05	20.85	20.92			
10	QPSK	50	0	21.12	20.94	20.91	22	1	
10	16QAM	1	0	21.26	21.25	21.25			
10	16QAM	1	25	21.33	21.33	21.29			
10	16QAM	1	49	21.39	21.33	21.32	21	2	
10	16QAM	25	0	20.00	19.98	19.99			
10	16QAM	25	12	20.10	20.07	20.07			
10	16QAM	25	25	20.10	20.14	20.11	21	2	
10	16QAM	50	0	20.13	20.06	20.03			
10	64QAM	1	0	20.08	20.15	20.06			
10	64QAM	1	25	20.17	20.27	20.26	21	2	
10	64QAM	1	49	20.25	20.25	20.24			
10	64QAM	25	0	19.04	19.03	19.03			
10	64QAM	25	12	19.15	19.10	19.10	20	3	
10	64QAM	25	25	19.16	19.20	19.14			
10	64QAM	50	0	19.16	19.09	19.07			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.08	22.04	21.96	23	0	
5	QPSK	1	12	21.85	21.82	21.84			
5	QPSK	1	24	22.03	21.90	21.85			
5	QPSK	12	0	21.15	20.92	20.95	22	1	
5	QPSK	12	7	21.06	20.96	20.94			
5	QPSK	12	13	21.04	20.77	20.90			
5	QPSK	25	0	21.12	20.85	20.83	22	1	
5	16QAM	1	0	21.18	21.24	21.25			
5	16QAM	1	12	21.27	21.23	21.25			
5	16QAM	1	24	21.39	21.27	21.24	22	1	
5	16QAM	12	0	20.00	19.98	19.97			
5	16QAM	12	7	20.00	20.06	20.02			
5	16QAM	12	13	20.02	20.06	20.08	21	2	
5	16QAM	25	0	20.03	20.01	20.02			
5	64QAM	1	0	20.07	20.05	20.01			
5	64QAM	1	12	20.11	20.17	20.22	21	2	
5	64QAM	1	24	20.18	20.15	20.23			
5	64QAM	12	0	19.00	19.00	19.00			
5	64QAM	12	7	19.07	19.00	19.01	20	3	
5	64QAM	12	13	19.15	19.17	19.12			
5	64QAM	25	0	19.10	19.02	19.03			

Band 26_Ant 1 DSI 2848&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				26705	26815	26905			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.58	22.65	22.63	24	0	
15	QPSK	1	37	22.48	22.64	22.61			
15	QPSK	1	74	22.54	22.55	22.51			
15	QPSK	36	0	21.72	21.76	21.73	23	1	
15	QPSK	36	20	21.66	21.70	21.72			
15	QPSK	36	39	21.63	21.68	21.70			
15	QPSK	75	0	21.68	21.70	21.70	23	1	
15	16QAM	1	0	21.89	21.84	21.97			
15	16QAM	1	37	21.83	21.91	21.91			
15	16QAM	1	74	21.84	21.86	21.85	22	2	
15	16QAM	36	0	20.67	20.72	20.73			
15	16QAM	36	20	20.68	20.69	20.71			
15	16QAM	36	39	20.71	20.73	20.69	22	2	
15	16QAM	75	0	20.70	20.74	20.72			
15	64QAM	1	0	20.76	20.68	20.81			
15	64QAM	1	37	20.78	20.85	20.84	22	2	
15	64QAM	1	74	20.81	20.81	20.75			
15	64QAM	36	0	19.70	19.72	19.78			
15	64QAM	36	20	19.70	19.72	19.75	21	3	
15	64QAM	36	39	19.79	19.80	19.79			
15	64QAM	75	0	19.71	19.72	19.72			
Channel				26710	26865	26960	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.56	22.59	22.59	24	0	
10	QPSK	1	25	22.40	22.60	22.52			
10	QPSK	1	49	22.50	22.46	22.49			
10	QPSK	25	0	21.66	21.73	21.73	23	1	
10	QPSK	25	12	21.59	21.63	21.66			
10	QPSK	25	25	21.61	21.64	21.65			
10	QPSK	50	0	21.62	21.65	21.63	23	1	
10	16QAM	1	0	21.89	21.84	21.97			
10	16QAM	1	25	21.82	21.83	21.84			
10	16QAM	1	49	21.74	21.83	21.85	22	2	
10	16QAM	25	0	20.57	20.63	20.72			
10	16QAM	25	12	20.61	20.69	20.65			
10	16QAM	25	25	20.66	20.72	20.62	22	2	
10	16QAM	50	0	20.69	20.73	20.71			
10	64QAM	1	0	20.74	20.65	20.80			
10	64QAM	1	25	20.74	20.77	20.78	22	2	
10	64QAM	1	49	20.80	20.76	20.68			
10	64QAM	1	25	20.70	20.71	19.68			
10	64QAM	25	12	19.61	19.72	19.75	21	3	
10	64QAM	25	25	19.77	19.76	19.79			
10	64QAM	50	0	19.61	19.65	19.64			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.48	22.63	22.59	24	0	
5	QPSK	1	12	22.45	22.60	22.58			
5	QPSK	1	24	22.45	22.50	22.51			
5	QPSK	12	0	21.64	21.70	21.69	23	1	
5	QPSK	12	7	21.57	21.60	21.69			
5	QPSK	12	13	21.56	21.58	21.69			
5	QPSK	25	0	21.58	21.67	21.65	23	1	
5	16QAM	1	0	21.89	21.80	21.93			
5	16QAM	1	12	21.80	21.83	21.81			
5	16QAM	1	24	21.76	21.79	21.78	22	2	
5	16QAM	12	0	20.67	20.72	20.70			
5	16QAM	12	7	20.58	20.59	20.70			
5	16QAM	12	13	20.70	20.65	20.62	22	2	
5	16QAM	25	0	20.70	20.66	20.62			
5	64QAM	1	0	20.71	20.64	20.80			
5	64QAM	1	12	20.71	20.82	20.83	22	2	
5	64QAM	1	24	20.76	20.81	20.75			
5	64QAM	12	0	19.65	19.69	19.73			
5	64QAM	12	7	19.60	19.70	19.65	21	3	
5	64QAM	12	13	19.74	19.74	19.79			
5	64QAM	25	0	19.61	19.66	19.72			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.58	22.58	22.62	24	0	
3	QPSK	1	8	22.46	22.58	22.60			
3	QPSK	1	14	22.46	22.48	22.42			
3	QPSK	8	0	21.65	21.76	21.69	23	1	
3	QPSK	8	4	21.64	21.61	21.65			
3	QPSK	8	7	21.53	21.67	21.68			
3	QPSK	15	0	21.62	21.62	21.63	23	1	
3	16QAM	1	0	21.89	21.80	21.88			
3	16QAM	1	8	21.75	21.82	21.86			
3	16QAM	1	14	21.77	21.80	21.84	22	2	
3	16QAM	8	0	20.59	20.69	20.69			
3	16QAM	8	4	20.58	20.68	20.61			
3	16QAM	8	7	20.61	20.65	20.65	22	2	
3	16QAM	15	0	20.70	20.66	20.65			
3	64QAM	1	0	20.76	20.60	20.76			
3	64QAM	1	8	20.73	20.80	20.77	22	2	
3	64QAM	1	14	20.72	20.81	20.72			
3	64QAM	8	0	19.68	19.71	19.76			
3	64QAM	8	4	19.67	19.68	19.66	21	3	
3	64QAM	8	7	19.79	19.71	19.69			
3	64QAM	15	0	19.70	19.62	19.70			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.55	22.63	22.57	24	0	
1.4	QPSK	1	3	22.43	22.57	22.58			
1.4	QPSK	1	5	22.21	22.55	22.52			
1.4	QPSK	3	0	22.46	22.52	22.43	23	1	
1.4	QPSK	3	1	22.36	22.48	22.45			
1.4	QPSK	3	2	22.41	22.41	22.44			
1.4	QPSK	6	0	22.07	22.08	22.05	23	1	
1.4	16QAM	1	0	21.85	21.83	21.88			
1.4	16QAM	1	3	21.75	21.87	21.91			
1.4	16QAM	1	5	21.83	21.86	21.84	23	1	
1.4	16QAM	3	0	21.63	21.67	21.66			
1.4	16QAM	3	1	21.66	21.59	21.66			
1.4	16QAM	3	3	21.61	21.73	21.69	22	2	
1.4	16QAM	6	0	21.10	21.05	21.12			
1.4	64QAM	1	0	20.66	20.64	20.81			
1.4	64QAM	1	3	20.73	20.81	20.82	22	2	
1.4	64QAM	1	5	20.72	20.71	20.77			
1.4	64QAM	3	0	20.65	20.70	20.69			
1.4	64QAM	3	1	20.69	20.72	20.74	21	3	
1.4	64QAM	3	3	20.70	20.79	20.70			
1.4	64QAM	6	0	20.04	20.09	20.02			

Band 26_Ant2 DSI 2&4&6&8&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				26705	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	21.70	21.71	21.75	23	0	
15	QPSK	1	37	21.59	21.70	21.75			
15	QPSK	1	74	21.62	21.62	21.66	22	1	
15	QPSK	36	0	20.78	20.82	20.86			
15	QPSK	36	20	20.74	20.76	20.83	22	1	
15	QPSK	36	39	20.75	20.78	20.86			
15	QPSK	75	0	20.71	20.73	20.85	22	1	
15	16QAM	1	0	21.06	20.95	21.07			
15	16QAM	1	37	20.93	21.01	21.07	22	1	
15	16QAM	1	74	21.00	20.98	20.97			
15	16QAM	36	0	19.77	19.79	19.92	21	2	
15	16QAM	36	20	19.80	19.82	19.83			
15	16QAM	36	39	19.86	19.87	19.88	21	2	
15	16QAM	75	0	19.83	19.83	19.88			
15	64QAM	1	0	19.87	19.79	19.96	21	2	
15	64QAM	1	37	19.82	19.92	19.97			
15	64QAM	1	74	19.92	20.02	19.85	20	3	
15	64QAM	36	0	19.82	18.81	18.93			
15	64QAM	36	20	19.86	18.89	18.90	20	3	
15	64QAM	36	39	19.89	18.84	18.96			
15	64QAM	75	0	19.84	18.83	18.92	20	3	
Channel				26740	26865	26960			
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.70	21.71	21.74	23	0	
10	QPSK	1	25	21.56	21.67	21.72			
10	QPSK	1	49	21.58	21.59	21.56	22	1	
10	QPSK	25	0	20.74	20.75	20.78			
10	QPSK	25	12	20.64	20.72	20.79	22	1	
10	QPSK	25	25	20.66	20.78	20.79			
10	QPSK	50	0	20.63	20.66	20.79	22	1	
10	16QAM	1	0	20.98	20.88	21.03			
10	16QAM	1	25	20.91	20.97	20.99	22	1	
10	16QAM	1	49	20.97	20.92	20.94			
10	16QAM	25	0	19.75	19.74	19.83	21	2	
10	16QAM	25	12	19.76	19.74	19.73			
10	16QAM	25	25	19.77	19.82	19.82	21	2	
10	16QAM	50	0	19.78	19.83	19.87			
10	64QAM	1	0	19.85	19.74	19.89	21	2	
10	64QAM	1	25	19.74	19.85	19.96			
10	64QAM	1	49	19.92	19.95	19.92	20	3	
10	64QAM	25	0	19.82	19.74	19.83			
10	64QAM	25	12	19.76	19.82	19.85	20	3	
10	64QAM	25	25	19.86	19.84	19.90			
10	64QAM	50	0	19.76	19.77	19.82	20	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.62	21.64	21.76	23	0	
5	QPSK	1	12	21.52	21.66	21.66			
5	QPSK	1	24	21.57	21.61	21.59	22	1	
5	QPSK	12	0	20.75	20.79	20.84			
5	QPSK	12	7	20.64	20.72	20.83	22	1	
5	QPSK	12	13	20.69	20.72	20.80			
5	QPSK	25	0	20.62	20.63	20.81	22	1	
5	16QAM	1	0	20.98	20.95	21.04			
5	16QAM	1	12	20.86	20.96	21.07	22	1	
5	16QAM	1	24	20.90	20.94	20.93			
5	16QAM	12	0	19.72	19.78	19.91	21	2	
5	16QAM	12	7	19.75	19.80	19.83			
5	16QAM	12	13	19.84	19.80	19.86	21	2	
5	16QAM	25	0	19.78	19.73	19.78			
5	64QAM	1	0	19.77	19.72	19.87	21	2	
5	64QAM	1	12	19.77	19.90	19.89			
5	64QAM	1	24	19.92	19.93	19.75	20	3	
5	64QAM	12	0	19.80	19.73	19.84			
5	64QAM	12	7	19.76	19.83	19.87	20	3	
5	64QAM	12	13	19.87	19.90	19.86			
5	64QAM	25	0	19.79	19.79	19.81	20	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.62	21.67	21.66	23	0	
3	QPSK	1	8	21.55	21.65	21.69			
3	QPSK	1	14	21.61	21.53	21.64	22	1	
3	QPSK	8	0	20.76	20.78	20.86			
3	QPSK	8	4	20.64	20.72	20.73	22	1	
3	QPSK	8	7	20.67	20.74	20.86			
3	QPSK	15	0	20.64	20.70	20.85	22	1	
3	16QAM	1	0	20.99	20.93	21.02			
3	16QAM	1	8	20.86	20.97	20.99	22	1	
3	16QAM	1	14	20.99	20.96	20.93			
3	16QAM	8	0	19.74	19.75	19.82	21	2	
3	16QAM	8	4	19.71	19.72	19.73			
3	16QAM	8	7	19.77	19.83	19.82	21	2	
3	16QAM	15	0	19.79	19.83	19.83			
3	64QAM	1	0	19.83	19.79	19.89	21	2	
3	64QAM	1	8	19.72	19.84	19.92			
3	64QAM	1	14	19.87	19.96	19.75	20	3	
3	64QAM	8	0	19.78	19.74	19.84			
3	64QAM	8	4	19.78	19.86	19.83	20	3	
3	64QAM	8	7	19.83	19.90	19.93			
3	64QAM	15	0	19.80	19.73	19.90	20	3	
Channel				26997	26865	27033			
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.64	21.71	21.68	23	0	
1.4	QPSK	1	3	21.51	21.66	21.65			
1.4	QPSK	1	5	21.52	21.60	21.65	22	1	
1.4	QPSK	3	0	21.61	21.69	21.75			
1.4	QPSK	3	1	21.58	21.66	21.65	22	1	
1.4	QPSK	3	3	21.60	21.53	21.66			
1.4	QPSK	6	0	20.64	20.72	20.83	22	1	
1.4	16QAM	1	0	21.01	20.85	21.04			
1.4	16QAM	1	3	20.84	20.91	21.04	22	1	
1.4	16QAM	1	5	20.94	20.95	20.94			
1.4	16QAM	3	0	21.04	20.95	21.02	22	1	
1.4	16QAM	3	1	20.87	20.95	21.03			
1.4	16QAM	3	3	20.91	20.92	20.87	21	2	
1.4	16QAM	6	0	19.74	19.83	19.80			
1.4	64QAM	1	0	19.83	19.75	19.94	21	2	
1.4	64QAM	1	3	19.79	19.89	19.91			
1.4	64QAM	1	5	19.88	19.96	19.78	21	2	
1.4	64QAM	3	0	19.75	19.77	19.89			
1.4	64QAM	3	1	19.76	19.78	19.80	20	3	
1.4	64QAM	3	3	19.85	19.78	19.85			
1.4	64QAM	6	0	19.82	19.83	19.88	20	3	

Band 66_Ant 1 DSI 2&4&6&8&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				13012	13022	13072	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.88	22.87	22.82	24	0	
20	QPSK	1	49	22.76	22.71	22.69			
20	QPSK	1	99	22.68	22.62	22.54	23	1	
20	QPSK	50	0	21.99	21.89	21.81			
20	QPSK	50	24	21.94	21.84	21.79	23	1	
20	QPSK	50	50	21.91	21.86	21.79			
20	QPSK	100	0	21.96	21.78	21.79	22	2	
20	16QAM	1	0	22.23	22.19	22.15			
20	16QAM	1	49	22.19	22.14	22.10	23	1	
20	16QAM	1	99	22.09	21.98	22.02			
20	16QAM	50	0	20.93	20.86	20.86	22	2	
20	16QAM	50	24	20.98	20.85	20.83			
20	16QAM	50	50	20.94	20.87	20.82	22	2	
20	16QAM	100	0	20.95	20.79	20.81			
20	64QAM	1	0	21.07	21.05	21.14	22	2	
20	64QAM	1	49	21.02	21.00	20.99			
20	64QAM	1	99	20.97	20.88	20.89	21	3	
20	64QAM	50	0	19.98	19.87	19.86			
20	64QAM	50	24	20.00	19.87	19.84	21	3	
20	64QAM	50	50	19.96	19.86	19.82			
20	64QAM	100	0	20.01	19.83	19.81			
Channel				13047	13022	13097	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1772.5			
15	QPSK	1	0	22.86	22.81	22.73	23	1	
15	QPSK	1	37	22.74	22.63	22.69			
15	QPSK	1	74	22.67	22.66	22.50	23	1	
15	QPSK	36	0	21.95	21.81	21.80			
15	QPSK	36	20	21.88	21.80	21.78	23	1	
15	QPSK	36	39	21.91	21.81	21.79			
15	QPSK	75	0	21.95	21.85	21.78	23	1	
15	16QAM	1	0	22.13	22.15	22.07			
15	16QAM	1	37	22.16	21.97	22.00	23	1	
15	16QAM	1	74	22.04	21.88	21.96			
15	16QAM	36	0	20.91	20.86	20.80	22	2	
15	16QAM	36	20	20.93	20.84	20.73			
15	16QAM	36	39	20.90	20.83	20.81	22	2	
15	16QAM	75	0	20.95	20.72	20.73			
15	64QAM	1	0	21.00	20.96	21.12	22	2	
15	64QAM	1	37	20.98	20.92	20.96			
15	64QAM	1	74	20.88	20.83	20.79	21	3	
15	64QAM	36	0	19.93	19.82	19.84			
15	64QAM	36	20	19.92	19.83	19.77	21	3	
15	64QAM	36	39	19.94	19.88	19.81			
15	64QAM	75	0	19.96	19.78	19.80			
Channel				13002	13022	13062	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.86	22.83	22.72	24	0	
10	QPSK	1	25	22.76	22.63	22.68			
10	QPSK	1	49	22.61	22.67	22.51	23	1	
10	QPSK	25	0	21.99	21.85	21.79			
10	QPSK	25	19	21.95	21.84	21.78	23	1	
10	QPSK	25	25	21.83	21.81	21.78			
10	QPSK	50	0	21.91	21.77	21.79	23	1	
10	16QAM	1	0	22.22	22.15	22.12			
10	16QAM	1	25	22.12	22.03	21.98	22	2	
10	16QAM	1	49	22.09	21.93	21.98			
10	16QAM	25	0	20.85	20.87	20.85	22	2	
10	16QAM	25	12	20.98	20.78	20.82			
10	16QAM	25	25	20.84	20.81	20.78	21	3	
10	16QAM	50	0	20.98	20.82	20.75			
10	64QAM	1	0	21.00	21.01	21.09	22	2	
10	64QAM	1	25	20.93	20.94	20.92			
10	64QAM	1	49	20.87	20.85	20.82	21	3	
10	64QAM	25	0	19.97	19.86	19.80			
10	64QAM	25	12	20.00	19.77	19.81	21	3	
10	64QAM	25	25	19.87	19.84	19.79			
10	64QAM	50	0	19.93	19.77	19.75			
Channel				13197	13022	13084	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.78	22.82	22.81	24	0	
5	QPSK	1	12	22.72	22.65	22.85			
5	QPSK	15	25	22.65	22.68	22.47	23	1	
5	QPSK	12	0	21.90	21.89	21.78			
5	QPSK	12	7	21.91	21.81	21.70	23	1	
5	QPSK	12	13	21.85	21.77	21.74			
5	QPSK	25	0	21.95	21.76	21.78	23	1	
5	16QAM	1	0	22.14	22.16	22.15			
5	16QAM	1	12	22.13	21.96	22.05	22	2	
5	16QAM	1	24	22.09	21.96	21.96			
5	16QAM	12	0	20.84	20.83	20.82	22	2	
5	16QAM	12	14	20.86	20.82	20.73			
5	16QAM	12	13	20.88	20.86	20.81	21	3	
5	16QAM	25	0	20.95	20.77	20.77			
5	64QAM	1	0	20.99	20.88	21.05	22	2	
5	64QAM	1	12	20.93	21.00	20.91			
5	64QAM	1	24	20.88	20.82	20.87	21	3	
5	64QAM	12	0	19.89	19.86	19.88			
5	64QAM	12	7	19.93	19.86	19.79	21	3	
5	64QAM	12	13	19.94	19.85	19.79			
5	64QAM	25	0	19.93	19.80	19.79			
Channel				13187	13022	13067	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1773.5			
3	QPSK	1	0	22.87	22.82	22.73	24	0	
3	QPSK	1	8	22.66	22.63	22.61			
3	QPSK	1	14	22.58	22.66	22.46	23	1	
3	QPSK	8	0	21.96	21.80	21.73			
3	QPSK	8	4	21.93	21.74	21.69	23	1	
3	QPSK	8	7	21.91	21.82	21.71			
3	QPSK	15	0	21.96	21.74	21.72	23	1	
3	16QAM	1	0	22.14	22.16	22.07			
3	16QAM	1	8	22.16	21.97	22.02	22	2	
3	16QAM	12	14	22.09	21.93	21.97			
3	16QAM	8	0	20.92	20.87	20.76	22	2	
3	16QAM	8	4	20.92	20.80	20.73			
3	16QAM	8	7	20.86	20.83	20.75	22	2	
3	16QAM	15	0	20.94	20.74	20.75			
3	64QAM	1	0	21.05	20.97	21.13	22	2	
3	64QAM	1	8	20.95	20.96	20.93			
3	64QAM	1	14	20.87	20.87	20.84	21	3	
3	64QAM	8	0	19.91	19.87	19.89			
3	64QAM	8	5	20.00	19.79	19.82	21	3	
3	64QAM	8	7	19.87	19.81	19.73			
3	64QAM	15	0	19.97	19.77	19.77			
Channel				13193	13022	13065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1744	1779.3			
1.4	QPSK	1	0	22.78	22.84	22.78	24	0	
1.4	QPSK	1	3	22.72	22.62	22.67			
1.4	QPSK	1	5	22.62	22.62	22.54	23	1	
1.4	QPSK	3	0	22.74	22.68	22.59			
1.4	QPSK	3	1	22.68	22.55	22.52	22	2	
1.4	QPSK	3	3	22.68	22.60	22.50			
1.4	QPSK	6	0	22.29	22.12	22.16	23	1	
1.4	16QAM	1	0	22.13	21.93	21.97			
1.4	16QAM	1	3	22.18	21.98	21.95	23	1	
1.4	16QAM	1	5	22.03	21.92	21.92			
1.4	16QAM	3	0	21.89	21.88	21.82	22	2	
1.4	16QAM	3	1	21.95	21.80	21.73			
1.4	16QAM	3	3	21.84	21.77	21.78	22	2	
1.4	16QAM	6	0	21.29	21.09	21.21			
1.4	64QAM	1	0	21.00	21.04	21.04	21	3	
1.4	64QAM	1	3	20.95	20.96	20.93			
1.4	64QAM	1	5	20.96	20.92	20.88	22	2	
1.4	64QAM	3	0	20.89	20.87	20.79			
1.4	64QAM	3	1	20.92	20.80	20.84	21	3	
1.4	64QAM	3	3	20.96	20.86	20.76			
1.4	64QAM	6	0	20.41	20.23	20.19			

Band 66_Ant2 DSI 2&4&6&8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.92	20.87	20.78	22	0		
20	QPSK	1	49	20.80	20.69	20.62				
20	QPSK	1	99	20.75	20.65	20.51	21	1		
20	QPSK	50	0	20.06	20.01	19.81				
20	QPSK	50	24	19.99	19.85	19.72	21	1		
20	QPSK	50	50	19.94	19.86	19.72				
20	QPSK	100	0	19.98	19.81	19.73	21	1		
20	16QAM	1	0	20.29	20.26	20.13				
20	16QAM	1	49	20.16	20.10	20.02	21	1		
20	16QAM	1	99	20.06	19.96	19.85				
20	16QAM	50	0	18.95	18.90	18.82	20	2		
20	16QAM	50	24	19.02	18.86	18.79				
20	16QAM	50	50	18.93	18.85	18.75	20	2		
20	16QAM	100	0	18.98	18.82	18.75				
20	64QAM	1	0	19.13	19.07	19.04	20	2		
20	64QAM	1	49	19.07	18.95	18.85				
20	64QAM	1	99	18.94	18.91	18.77	19	3		
20	64QAM	50	0	17.98	17.93	17.84				
20	64QAM	50	24	18.03	17.86	17.82	20	2		
20	64QAM	50	50	17.96	17.87	17.77				
20	64QAM	100	0	18.03	17.86	17.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.85	20.85	20.70	22	0		
15	QPSK	1	37	20.74	20.69	20.59				
15	QPSK	1	74	20.67	20.60	20.41	21	1		
15	QPSK	36	0	20.01	19.95	19.75				
15	QPSK	36	20	19.95	19.78	19.64	21	1		
15	QPSK	36	39	19.94	19.77	19.70				
15	QPSK	75	0	19.90	19.80	19.69	21	1		
15	16QAM	1	0	20.20	20.25	20.07				
15	16QAM	1	37	20.14	20.05	19.96	20	2		
15	16QAM	1	74	20.06	19.94	19.79				
15	16QAM	36	0	18.90	18.81	18.75	20	2		
15	16QAM	36	20	19.01	18.81	18.78				
15	16QAM	36	39	18.89	18.76	18.66	20	2		
15	16QAM	75	0	18.92	18.80	18.71				
15	64QAM	1	0	19.03	19.00	18.95	20	2		
15	64QAM	1	37	18.96	18.85	18.75				
15	64QAM	1	74	18.86	18.85	18.68	19	3		
15	64QAM	36	0	17.96	17.86	17.80				
15	64QAM	36	20	17.99	17.88	17.80	20	2		
15	64QAM	36	39	17.87	17.85	17.67				
15	64QAM	75	0	17.99	17.77	17.71				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.84	20.86	20.73	22	0		
10	QPSK	1	25	20.75	20.64	20.56				
10	QPSK	1	49	20.73	20.55	20.41	21	1		
10	QPSK	25	0	19.99	19.96	19.77				
10	QPSK	25	12	19.95	19.87	19.69	21	1		
10	QPSK	25	25	19.88	19.84	19.67				
10	QPSK	50	0	19.97	19.78	19.66	21	1		
10	16QAM	1	0	20.23	20.23	20.12				
10	16QAM	1	25	20.16	20.06	19.99	20	2		
10	16QAM	1	49	20.04	19.95	19.75				
10	16QAM	25	0	18.88	18.86	18.81	20	2		
10	16QAM	25	12	19.00	18.83	18.74				
10	16QAM	25	25	18.92	18.79	18.65	20	2		
10	16QAM	50	0	18.89	18.85	18.74				
10	64QAM	1	0	19.09	18.97	19.01	19	3		
10	64QAM	1	25	18.97	18.91	18.78				
10	64QAM	1	49	18.89	18.83	18.68	20	2		
10	64QAM	25	0	17.98	17.91	17.77				
10	64QAM	25	12	18.01	17.86	17.81	21	1		
10	64QAM	25	25	17.86	17.83	17.74				
10	64QAM	50	0	17.83	17.76	17.72				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.86	20.79	20.68	22	0		
5	QPSK	1	12	20.78	20.67	20.57				
5	QPSK	1	24	20.65	20.60	20.42	21	1		
5	QPSK	12	0	20.01	19.97	19.78				
5	QPSK	12	7	19.90	19.84	19.68	21	1		
5	QPSK	12	13	19.83	19.83	19.71				
5	QPSK	25	0	19.96	19.73	19.69	21	1		
5	16QAM	1	0	20.21	20.23	20.06				
5	16QAM	1	12	20.06	19.99	19.98	20	2		
5	16QAM	1	24	19.97	19.89	19.79				
5	16QAM	12	0	18.90	18.80	18.80	20	2		
5	16QAM	12	7	19.01	18.86	18.77				
5	16QAM	12	13	18.98	18.75	18.70	20	2		
5	16QAM	25	0	18.88	18.75	18.72				
5	64QAM	1	0	19.13	19.07	18.98	20	2		
5	64QAM	1	12	19.00	18.91	18.78				
5	64QAM	1	24	18.88	18.89	18.71	19	3		
5	64QAM	12	0	17.96	17.91	17.78				
5	64QAM	12	7	17.98	17.82	17.81	20	2		
5	64QAM	12	13	17.87	17.86	17.69				
5	64QAM	25	0	17.97	17.76	17.78				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.86	20.86	20.75	22	0		
3	QPSK	1	8	20.77	20.66	20.62				
3	QPSK	1	14	20.65	20.63	20.51	21	1		
3	QPSK	8	0	19.96	19.94	19.76				
3	QPSK	8	4	19.99	19.84	19.68	21	1		
3	QPSK	8	7	19.90	19.79	19.70				
3	QPSK	15	0	19.90	19.79	19.72	21	1		
3	16QAM	1	0	20.20	20.19	20.09				
3	16QAM	1	8	20.09	19.99	19.93	20	2		
3	16QAM	1	14	20.05	19.96	19.78				
3	16QAM	8	0	18.93	18.83	18.77	20	2		
3	16QAM	8	4	18.97	18.84	18.78				
3	16QAM	8	7	18.89	18.78	18.72	19	3		
3	64QAM	1	0	19.05	19.01	19.00				
3	64QAM	1	8	18.98	18.89	18.77	20	2		
3	64QAM	1	14	18.94	18.82	18.74				
3	64QAM	8	0	17.96	17.86	17.83	20	2		
3	64QAM	8	4	18.05	17.96	17.83				
3	64QAM	8	7	17.96	17.80	17.67	19	3		
3	64QAM	15	0	18.00	17.77	17.69				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.86	20.79	20.74	22	0		
1.4	QPSK	1	5	20.77	20.63	20.61				
1.4	QPSK	3	0	20.87	20.77	20.75	21	1		
1.4	QPSK	3	1	20.74	20.65	20.62				
1.4	QPSK	3	3	20.70	20.55	20.47	21	1		
1.4	QPSK	6	0	19.92	19.77	19.68				
1.4	16QAM	1	0	20.29	20.26	20.15	21	1		
1.4	16QAM	1	3	20.14	20.00	19.94				
1.4	16QAM	1	5	19.98	19.93	19.81	20	2		
1.4	16QAM	3	0	20.21	20.24	20.10				
1.4	16QAM	3	1	20.09	20.09	19.91	20	2		
1.4	16QAM	3	3	20.00	19.92	19.76				
1.4	16QAM	6	0	18.96	18.81	18.75	20	2		
1.4	16QAM	6	1	19.09	18.95	18.97				
1.4	64QAM	1	3	19.00	18.85	18.80	20	2		
1.4	64QAM	1	5	18.85	18.76	18.68				
1.4	64QAM	3	0	18.92	17.80	17.66	19	3		
1.4	64QAM	3	1	18.98	18.76	18.66				
1.4	64QAM	3	3	19.09	19.00	18.98	19	3		
1.4	64QAM	6	0	18.00	17.86	17.77				

Model 10, April 2025									
AP	Model	ES	ES (alt)	Power Q2 (75%)	Power Q3 (75%)	Power Q4 (75%)	Calculated (95%)	Score (95%)	
Frequency (alt)									
10	UPR1	1	0	22.57	22.45	22.70			
10	UPR1	1	0.01	22.83	22.89	22.78	23	0	
10	UPR1	1	0.02	22.83	22.77	22.78			
10	UPR1	0.01	0	22.51	22.69	22.72			
10	UPR1	0.02	0	22.51	22.68	22.71			
10	UPR1	0.01	0.01	22.70	22.67	22.68			
10	UPR1	0.02	0.01	22.72	22.68	22.69			
10	UPR1	1	0	22.83	22.74	22.75			
10	UPR1	1	0.01	22.83	22.75	22.76	23	1	
10	UPR1	1	0.02	22.83	22.73	22.74			
10	UPR1	0.01	0.01	22.74	22.72	22.73			
10	UPR1	0.02	0.01	22.76	22.73	22.74			
10	UPR1	0.01	0	22.76	22.65	22.66			
10	UPR1	0.02	0	22.76	22.63	22.64			
10	UPR1	0.01	0.01	22.66	22.53	22.54			
10	UPR1	0.02	0.01	22.66	22.51	22.52			
10	UPR1	0.01	0.02	22.53	22.47	22.48			
10	UPR1	0.02	0.02	22.53	22.47	22.48			
10	UPR1	1	0	22.77	22.79	22.78			
10	UPR1	1	0.01	22.77	22.78	22.79	24	0	
10	UPR1	1	0.02	22.77	22.78	22.79			
10	UPR1	0.01	0	22.79	22.69	22.70			
10	UPR1	0.02	0	22.79	22.67	22.68			
10	UPR1	0.01	0.01	22.69	22.67	22.67			
10	UPR1	0.02	0.01	22.69	22.67	22.67			
10	UPR1	0.01	0	22.69	22.58	22.59			
10	UPR1	0.02	0	22.69	22.56	22.57			
10	UPR1	0.01	0.01	22.58	22.56	22.56			
10	UPR1	0.02	0.01	22.58	22.56	22.56			
10	UPR1	1	0	22.83	22.75	22.76			
10	UPR1	1	0.01	22.83	22.76	22.77	23	1	
10	UPR1	1	0.02	22.83	22.75	22.76			
10	UPR1	0.01	0	22.75	22.65	22.66			
10	UPR1	0.02	0	22.75	22.63	22.64			
10	UPR1	0.01	0.01	22.65	22.53	22.54			
10	UPR1	0.02	0.01	22.65	22.51	22.52			
10	UPR1	0.01	0	22.65	22.44	22.45			
10	UPR1	0.02	0	22.65	22.42	22.43			
10	UPR1	0.01	0.01	22.44	22.33	22.34			
10	UPR1	0.02	0.01	22.44	22.31	22.32			
10	UPR1	0.01	0	22.44	22.22	22.23			
10	UPR1	0.02	0	22.44	22.20	22.21			
10	UPR1	0.01	0.01	22.22	22.12	22.13			
10	UPR1	0.02	0.01	22.22	22.10	22.11			
10	UPR1	0.01	0	22.22	22.01	22.02			
10	UPR1	0.02	0	22.22	21.99	22.00			
10	UPR1	0.01	0.01	22.01	21.90	21.91			
10	UPR1	0.02	0.01	22.01	21.88	21.89			
10	UPR1	0.01	0	22.01	21.77	21.78			
Frequency (alt)									
10	UPR1	1	0	22.57	22.45	22.70			
10	UPR1	1	0.01	22.83	22.89	22.78	24	0	
10	UPR1	1	0.02	22.83	22.77	22.78			
10	UPR1	0.01	0	22.51	22.69	22.72			
10	UPR1	0.02	0	22.51	22.68	22.71			
10	UPR1	0.01	0.01	22.70	22.67	22.68			
10	UPR1	0.02	0.01	22.72	22.68	22.69			
10	UPR1	1	0	22.83	22.74	22.75			
10	UPR1	1	0.01	22.83	22.75	22.76	23	1	
10	UPR1	1	0.02	22.83	22.73	22.74			
10	UPR1	0.01	0.01	22.74	22.72	22.73			
10	UPR1	0.02	0.01	22.76	22.73	22.74			
10	UPR1	0.01	0	22.76	22.65	22.66			
10	UPR1	0.02	0	22.76	22.63	22.64			
10	UPR1	0.01	0.01	22.66	22.53	22.54			
10	UPR1	0.02	0.01	22.66	22.51	22.52			
10	UPR1	0.01	0	22.66	22.44	22.45			
10	UPR1	0.02	0	22.66	22.42	22.43			
10	UPR1	0.01	0.01	22.44	22.33	22.34			
10	UPR1	0.02	0.01	22.44	22.31	22.32			
10	UPR1	0.01	0	22.44	22.22	22.23			
10	UPR1	0.02	0	22.44	22.20	22.21			
10	UPR1	0.01	0.01	22.22	22.12	22.13			
10	UPR1	0.02	0.01	22.22	22.10	22.11			
10	UPR1	0.01	0	22.22	22.01	22.02			
10	UPR1	0.02	0	22.22	21.99	22.00			
10	UPR1	0.01	0.01	22.01	21.90	21.91			
10	UPR1	0.02	0.01	22.01	21.88	21.89			
10	UPR1	0.01	0	22.01	21.77	21.78			
10	UPR1	0.02	0	22.01	21.75	21.76			
10	UPR1	0.01	0.01	21.77	21.66	21.67			
10	UPR1	0.02	0.01	21.77	21.64	21.65			
10	UPR1	0.01	0	21.77	21.56	21.57			
10	UPR1	0.02	0	21.77	21.54	21.55			
10	UPR1	0.01	0.01	21.56	21.45	21.46			
10	UPR1	0.02	0.01	21.56	21.43	21.44			
10	UPR1	0.01	0	21.56	21.35	21.36			
10	UPR1	0.02	0	21.56	21.33	21.34			
10	UPR1	0.01	0.01	21.35	21.24	21.25			
10	UPR1	0.02	0.01	21.35	21.22	21.23			
10	UPR1	0.01	0	21.35	21.14	21.15			
10	UPR1	0.02	0	21.35	21.12	21.13			
10	UPR1	0.01	0.01	21.14	21.03	21.04			
10	UPR1	0.02	0.01	21.14	21.01	21.02			
10	UPR1	0.01	0	21.14	20.93	20.94			
10	UPR1	0.02	0	21.14	20.91	20.92			
10	UPR1	0.01	0.01	20.93	20.82	20.83			
10	UPR1	0.02	0.01	20.93	20.80	20.81			
10	UPR1	0.01	0	20.93	20.72	20.73			
10	UPR1	0.02	0	20.93	20.70	20.71			
10	UPR1	0.01	0.01	20.72	20.61	20.62			
10	UPR1	0.02	0.01	20.72	20.59	20.60			
10	UPR1	0.01	0	20.72	20.51	20.52			
10	UPR1	0.02	0	20.72	20.49	20.50			
10	UPR1	0.01	0.01	20.51	20.40	20.41			
10	UPR1	0.02	0.01	20.51	20.38	20.39			
10	UPR1	0.01	0	20.51	20.30	20.31			
10	UPR1	0.02	0	20.51	20.28	20.29			
10	UPR1	0.01	0.01	20.30	20.19	20.20			
10	UPR1	0.02	0.01	20.30	20.17	20.18			
10	UPR1	0.01	0	20.30	20.09	20.10			
10	UPR1	0.02	0	20.30	20.07	20.08			
10	UPR1	0.01	0.01	20.09	19.98	19.99			
10	UPR1	0.02	0.01	20.09	19.96	19.97			
10	UPR1	0.01	0	20.09	19.89	19.90			
10	UPR1	0.02	0	20.09	19.87	19.88			
10	UPR1	0.01	0.01	19.89	19.78	19.79			
10	UPR1	0.02	0.01	19.89	19.76	19.77			
10	UPR1	0.01	0	19.89	19.69	19.70			
10	UPR1	0.02	0	19.89	19.67	19.68			
10	UPR1	0.01	0.01	19.69	19.58	19.59			
10	UPR1	0.02	0.01	19.69	19.56	19.57			
10	UPR1	0.01	0	19.69	19.49	19.50			
10	UPR1	0.02	0	19.69	19.47	19.48			
10	UPR1	0.01	0.01	19.49	19.38	19.39			
10	UPR1	0.02	0.01	19.49	19.36	19.37			
10	UPR1	0.01	0	19.49	19.29	19.30			
10	UPR1	0.02	0	19.49	19.27	19.28			
10	UPR1	0.01	0.01	19.29	19.18	19.19			
10	UPR1	0.02	0.01	19.29	19.16	19.17			
10	UPR1	0.01	0	19.29	19.09	19.10			
10	UPR1	0.02	0	19.29	19.07	19.08			
10	UPR1	0.01	0.01	19.09	18.98	18.99			
10	UPR1	0.02	0.01	19.09	18.96	18.97			
10	UPR1	0.01	0	19.09	18.89	18.90			
10	UPR1	0.02	0	19.09	18.87	18.88			
10	UPR1	0.01	0.01	18.89	18.78	18.79			
10	UPR1	0.02	0.01	18.89	18.76	18.77			
10	UPR1	0.01	0	18.89	18.69	18.70			
10	UPR1	0.02	0	18.89	18.67	18.68			
10	UPR1	0.01	0.01	18.69	18.58	18.59			
10	UPR1	0.02	0.01	18.69	18.56	18.57			
10	UPR1	0.01	0	18.69	18.49	18.50			
10	UPR1	0.02	0	18.69	18.47	18.48			
10	UPR1	0.01	0.01	18.49	18.38	18.39			
10	UPR1	0.02	0.01	18.49	18.36	18.37			
10	UPR1	0.01	0	18.49	18.29	18.30			
10	UPR1	0.02	0	18.49	18.27	18.28			
10	UPR1	0.01	0.01	18.29	18.18	18.19			
10	UPR1	0.02	0.01	18.29	18.16	18.17			
10	UPR1	0.01	0	18.29	18.09	18.10			
10	UPR1	0.02	0	18.29	18.07	18.08			
10	UPR1	0.01	0.01	18.09	17.98	17.99			
10	UPR1	0.02	0.01	18.09	17.96	17.97			
10	UPR1	0.01	0	18.09	17.89	17.90			
10	UPR1	0.02	0	18.09	17.87	17.88			
10	UPR1	0.01	0.01	17.89	17.78	17.79			
10	UPR1	0.02	0.01	17.89	17.76	17.77			
10	UPR1	0.01	0	17.89	17.69	17.70			

Model H_A and SD-DBM									
SP type	Model	SD size	SD class	Power (SD type)	Power (SD type)	Power (SD type)	Training time (s)	RMSE	MAE
Probability Matrix									
SP	SPH	1	1	21.63	20.24	20.08			
SP	SPH	1	100	20.92	20.73	20.44			0
SP	SPH	1	1000	21.17	20.97	20.68			
SP	SPH	1	10000	21.02	20.83	20.54			
SP	SPH	10	100	20.92	20.73	20.44			21
SP	SPH	10	1000	21.17	20.97	20.68			
SP	SPH	10	10000	21.02	20.83	20.54			
SP	SPH	1	1	15.94	15.66	15.77			
SP	SPH	1	100	15.94	15.66	15.77			21
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			20
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			
SP	SPH	1	1	15.94	15.66	15.77			20
SP	SPH	1	100	15.94	15.66	15.77			
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			10
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			
Probability Matrix									
SP	SPH	1	1	21.63	20.24	20.08			
SP	SPH	1	100	20.92	20.73	20.44			0
SP	SPH	1	1000	21.17	20.97	20.68			
SP	SPH	1	10000	21.02	20.83	20.54			
SP	SPH	10	100	20.92	20.73	20.44			21
SP	SPH	10	1000	21.17	20.97	20.68			
SP	SPH	10	10000	21.02	20.83	20.54			
SP	SPH	1	1	15.94	15.66	15.77			
SP	SPH	1	100	15.94	15.66	15.77			21
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			20
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			
SP	SPH	1	1	15.94	15.66	15.77			20
SP	SPH	1	100	15.94	15.66	15.77			
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			10
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			
Probability Matrix									
SP	SPH	1	1	21.63	20.24	20.08			
SP	SPH	1	100	20.92	20.73	20.44			0
SP	SPH	1	1000	21.17	20.97	20.68			
SP	SPH	1	10000	21.02	20.83	20.54			
SP	SPH	10	100	20.92	20.73	20.44			21
SP	SPH	10	1000	21.17	20.97	20.68			
SP	SPH	10	10000	21.02	20.83	20.54			
SP	SPH	1	1	15.94	15.66	15.77			
SP	SPH	1	100	15.94	15.66	15.77			21
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			20
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			
SP	SPH	1	1	15.94	15.66	15.77			20
SP	SPH	1	100	15.94	15.66	15.77			
SP	SPH	1	1000	15.94	15.66	15.77			
SP	SPH	1	10000	15.94	15.66	15.77			
SP	SPH	10	100	15.94	15.66	15.77			10
SP	SPH	10	1000	15.94	15.66	15.77			
SP	SPH	10	10000	15.94	15.66	15.77			

Market Data - Q3 2023									
Asset Class	Marketcap	Vol. (M)	52-Week High	52-Week Low	Current Price (USD)	Price Change (%)	Volume (M)	Price Change (%)	Price Change (USD)
Equity Markets									
SP 500	4.5T	1.2	450.15	380.00	445.20	+0.5%	120.5	+0.5%	+2.20
NASDAQ	3.8T	1.5	520.30	420.10	515.80	+0.8%	150.2	+0.8%	+4.10
DOW JONES	3.2T	1.0	360.40	300.50	358.90	+0.3%	95.8	+0.3%	+1.10
RUSSELL 2000	2.8T	0.8	280.10	220.00	275.50	+0.2%	70.3	+0.2%	+0.50
FTSE 100	2.5T	0.7	45.20	38.50	44.80	+0.1%	18.5	+0.1%	+0.05
Nikkei 225	2.3T	0.6	33.50	28.00	33.10	+0.4%	15.2	+0.4%	+0.15
Hang Seng	2.1T	0.5	16.80	13.50	16.50	-0.2%	12.8	-0.2%	-0.05
Shanghai Comp	2.0T	0.4	3.50	2.80	3.45	+0.1%	10.5	+0.1%	+0.02
ASX 200	1.8T	0.3	7.80	6.50	7.70	+0.3%	8.2	+0.3%	+0.08
EURO STOXX 50	1.7T	0.2	4.20	3.50	4.15	+0.2%	5.5	+0.2%	+0.03
Fixed Income									
US 10Y Treasury	1.5T	0.1	4.50%	3.50%	4.45%	-0.05%	0.5	-0.05%	-0.005
US 30Y Treasury	1.2T	0.05	5.20%	4.20%	5.15%	-0.05%	0.2	-0.05%	-0.005
US 5Y Treasury	1.0T	0.08	4.80%	3.80%	4.75%	-0.05%	0.3	-0.05%	-0.005
US 2Y Treasury	0.8T	0.06	4.60%	3.60%	4.55%	-0.05%	0.2	-0.05%	-0.005
US 1Y Treasury	0.7T	0.04	4.40%	3.40%	4.35%	-0.05%	0.1	-0.05%	-0.005
US 6M Treasury	0.6T	0.03	4.20%	3.20%	4.15%	-0.05%	0.1	-0.05%	-0.005
US 15Y Treasury	0.4T	0.01	4.70%	3.70%	4.65%	-0.05%	0.1	-0.05%	-0.005
US 20Y Treasury	0.3T	0.01	4.90%	3.90%	4.85%	-0.05%	0.1	-0.05%	-0.005
US 30Y Treasury	0.2T	0.01	5.10%	4.10%	5.05%	-0.05%	0.1	-0.05%	-0.005
Commodities									
WTI Crude Oil	1.0T	0.05	75.50	65.00	74.80	-0.1%	0.5	-0.1%	-0.05
Natural Gas	0.8T	0.02	3.50	2.80	3.45	-0.1%	0.2	-0.1%	-0.02
Gold	0.7T	0.01	2050.00	1950.00	2040.00	-0.05%	0.1	-0.05%	-10.00
Silver	0.6T	0.01	24.50	22.00	24.20	-0.1%	0.1	-0.1%	-0.10
Copper	0.5T	0.01	4.20	3.80	4.15	-0.1%	0.1	-0.1%	-0.05
Platinum	0.4T	0.01	950.00	880.00	940.00	-0.1%	0.1	-0.1%	-10.00
Palladium	0.3T	0.01	2200.00	2000.00	2180.00	-0.1%	0.1	-0.1%	-20.00
Crude Oil (Brent)	0.9T	0.04	78.00	67.00	77.20	-0.1%	0.4	-0.1%	-0.08
Heating Oil	0.7T	0.01	2.80	2.40	2.75	-0.1%	0.1	-0.1%	-0.02
Gasoline	0.6T	0.01	2.60	2.20	2.55	-0.1%	0.1	-0.1%	-0.02
Cryptocurrency									
Bitcoin	0.5T	0.01	42000.00	35000.00	41500.00	-0.1%	0.1	-0.1%	-500.00
Ethereum	0.4T	0.01	2800.00	2200.00	2750.00	-0.2%	0.1	-0.2%	-50.00
Cardano	0.3T	0.01	1.20	0.90	1.15	-0.4%	0.1	-0.4%	-0.05
Solana	0.2T	0.01	100.00	80.00	98.00	-0.2%	0.1	-0.2%	-2.00
XRP	0.1T	0.01	0.60	0.50	0.58	-0.3%	0.1	-0.3%	-0.02
Bitcoin Cash	0.1T	0.01	250.00	200.00	245.00	-0.2%	0.1	-0.2%	-5.00
Litecoin	0.05T	0.01	80.00	65.00	78.00	-0.2%	0.1	-0.2%	-2.00
Monero	0.02T	0.01	150.00	120.00	145.00	-0.3%	0.1	-0.3%	-5.00
Bitcoin SV	0.01T	0.01	100.00	80.00	95.00	-0.5%	0.1	-0.5%	-5.00
Stellar	0.005T	0.01	0.12	0.10	0.11	-0.8%	0.1	-0.8%	-0.001
VeChain	0.002T	0.01	0.04	0.03	0.035	-0.6%	0.1	-0.6%	-0.0005
Filecoin	0.001T	0.01	0.01	0.008	0.009	-0.9%	0.1	-0.9%	-0.0001
EOS	0.0005T	0.01	0.001	0.0008	0.0009	-1.2%	0.1	-1.2%	-0.00001
Tron	0.0002T	0.01	0.0001	0.00008	0.00009	-1.5%	0.1	-1.5%	-0.000001

Report ID: REP-2024-001											
ID	Section	Sub ID	Alt Ref	Start Date	End Date	Start Date	End Date	Start Date	End Date	Overall Status	Log ID
Division A											
01	Frequency (MHz)	A		2023-01-01	2023-01-05	2023-01-06	2023-01-10	2023-01-11	2023-01-15	DIV A	001
		01A	1	2023-01-01	2023-01-03	2023-01-04	2023-01-08	2023-01-09	2023-01-13		
		01A	2	2023-01-02	2023-01-04	2023-01-05	2023-01-07	2023-01-08	2023-01-12		
		01A	3	2023-01-03	2023-01-05	2023-01-06	2023-01-09	2023-01-10	2023-01-14		
		01A	4	2023-01-04	2023-01-06	2023-01-07	2023-01-10	2023-01-11	2023-01-15		
02	Frequency (MHz)	B		2023-01-06	2023-01-10	2023-01-11	2023-01-15	2023-01-16	2023-01-20	DIV A	002
		02B	1	2023-01-06	2023-01-08	2023-01-09	2023-01-13	2023-01-14	2023-01-18		
		02B	2	2023-01-07	2023-01-09	2023-01-10	2023-01-14	2023-01-15	2023-01-19		
		02B	3	2023-01-08	2023-01-10	2023-01-11	2023-01-15	2023-01-16	2023-01-20		
		02B	4	2023-01-09	2023-01-11	2023-01-12	2023-01-16	2023-01-17	2023-01-21		
03	Frequency (MHz)	C		2023-01-11	2023-01-15	2023-01-16	2023-01-20	2023-01-21	2023-01-25	DIV A	003
		03C	1	2023-01-11	2023-01-13	2023-01-14	2023-01-18	2023-01-19	2023-01-23		
		03C	2	2023-01-12	2023-01-14	2023-01-15	2023-01-19	2023-01-20	2023-01-24		
		03C	3	2023-01-13	2023-01-15	2023-01-16	2023-01-20	2023-01-21	2023-01-25		
		03C	4	2023-01-14	2023-01-16	2023-01-17	2023-01-21	2023-01-22	2023-01-26		
04	Frequency (MHz)	D		2023-01-16	2023-01-20	2023-01-21	2023-01-25	2023-01-26	2023-01-30	DIV A	004
		04D	1	2023-01-16	2023-01-18	2023-01-19	2023-01-23	2023-01-24	2023-01-28		
		04D	2	2023-01-17	2023-01-19	2023-01-20	2023-01-24	2023-01-25	2023-01-29		
		04D	3	2023-01-18	2023-01-20	2023-01-21	2023-01-25	2023-01-26	2023-01-30		
		04D	4	2023-01-19	2023-01-21	2023-01-22	2023-01-26	2023-01-27	2023-01-31		
05	Frequency (MHz)	E		2023-01-21	2023-01-25	2023-01-26	2023-01-30	2023-01-31	2023-02-04	DIV A	005
		05E	1	2023-01-21	2023-01-23	2023-01-24	2023-01-28	2023-01-29	2023-02-03		
		05E	2	2023-01-22	2023-01-24	2023-01-25	2023-01-29	2023-01-30	2023-02-04		
		05E	3	2023-01-23	2023-01-25	2023-01-26	2023-01-30	2023-01-31	2023-02-05		
		05E	4	2023-01-24	2023-01-26	2023-01-27	2023-01-31	2023-02-01	2023-02-06		
06	Frequency (MHz)	F		2023-01-26	2023-01-30	2023-01-31	2023-02-04	2023-02-05	2023-02-09	DIV A	006
		06F	1	2023-01-26	2023-01-28	2023-01-29	2023-02-03	2023-02-04	2023-02-08		
		06F	2	2023-01-27	2023-01-29	2023-01-30	2023-02-04	2023-02-05	2023-02-09		
07	Frequency (MHz)	G		2023-02-01	2023-02-05	2023-02-06	2023-02-10	2023-02-11	2023-02-15	DIV B	007
		07G	1	2023-02-01	2023-02-03	2023-02-04	2023-02-08	2023-02-09	2023-02-13		
		07G	2	2023-02-02	2023-02-04	2023-02-05	2023-02-09	2023-02-10	2023-02-14		
		07G	3	2023-02-03	2023-02-05	2023-02-06	2023-02-10	2023-02-11	2023-02-15		
		07G	4	2023-02-04	2023-02-06	2023-02-07	2023-02-11	2023-02-12	2023-02-16		
08	Frequency (MHz)	H		2023-02-06	2023-02-10	2023-02-11	2023-02-15	2023-02-16	2023-02-20	DIV B	008
		08H	1	2023-02-06	2023-02-08	2023-02-09	2023-02-13	2023-02-14	2023-02-18		
		08H	2	2023-02-07	2023-02-09	2023-02-10	2023-02-14	2023-02-15	2023-02-19		
		08H	3	2023-02-08	2023-02-10	2023-02-11	2023-02-15	2023-02-16	2023-02-20		
		08H	4	2023-02-09	2023-02-11	2023-02-12	2023-02-16	2023-02-17	2023-02-21		
09	Frequency (MHz)	I		2023-02-11	2023-02-15	2023-02-16	2023-02-20	2023-02-21	2023-02-25	DIV B	009
		09I	1	2023-02-11	2023-02-13	2023-02-14	2023-02-18	2023-02-19	2023-02-23		
		09I	2	2023-02-12	2023-02-14	2023-02-15	2023-02-19	2023-02-20	2023-02-24		
		09I	3	2023-02-13	2023-02-15	2023-02-16	2023-02-20	2023-02-21	2023-02-25		
		09I	4	2023-02-14	2023-02-16	2023-02-17	2023-02-21	2023-02-22	2023-02-26		
10	Frequency (MHz)	J		2023-02-16	2023-02-20	2023-02-21	2023-02-25	2023-02-26	2023-03-01	DIV B	010
		10J	1	2023-02-16	2023-02-18	2023-02-19	2023-02-23	2023-02-24	2023-02-28		
		10J	2	2023-02-17	2023-02-19	2023-02-20	2023-02-24	2023-02-25	2023-02-29		
		10J	3	2023-02-18	2023-02-20	2023-02-21	2023-02-25	2023-02-26	2023-03-01		
		10J	4	2023-02-19	2023-02-21	2023-02-22	2023-02-26	2023-02-27	2023-03-02		

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GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.19	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	28.99	30.50	23.39	23.01	22.99	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

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	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)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.46	20.40	20.52	21.60	21.16	21.23	21.08	22.20	21.73	21.84	21.80	22.90
3GPP Rel 99	RMC 12.2Kbps	20.57	20.51	20.56	21.60	21.24	21.24	21.23	22.20	21.81	21.91	21.88	22.90
3GPP Rel 6	HSDDA Subtest-1	20.00	20.01	20.03	20.60	20.72	20.74	20.66	21.20	20.84	20.92	20.90	21.90
3GPP Rel 6	HSDDA Subtest-2	19.98	19.98	20.00	20.60	20.69	20.69	20.56	21.20	20.81	20.93	20.85	21.90
3GPP Rel 6	HSDDA Subtest-3	19.48	19.47	19.52	20.10	20.18	20.18	20.16	20.70	20.30	20.46	20.40	20.90
3GPP Rel 6	HSDDA Subtest-4	19.42	19.44	19.50	20.10	20.17	20.16	20.16	20.70	20.30	20.43	20.40	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.01	19.98	20.06	20.60	20.71	20.72	20.61	21.20	21.30	21.42	21.37	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.00	19.99	20.01	20.60	20.70	20.71	20.63	21.20	21.34	21.39	21.33	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	19.54	19.47	19.51	20.10	20.16	20.23	20.17	20.70	20.69	20.93	20.92	21.90
3GPP Rel 8	DC-HSDPA Subtest-4	18.52	18.46	18.52	20.10	20.21	20.21	20.16	20.70	20.87	20.91	20.88	21.90
3GPP Rel 6	HSUPA Subtest-1	20.44	20.45	20.01	20.60	20.32	20.48	20.33	21.20	20.82	20.93	20.87	22.90
3GPP Rel 6	HSUPA Subtest-2	18.42	18.24	18.12	18.60	18.26	18.27	18.32	19.20	18.82	18.95	18.90	20.90
3GPP Rel 6	HSUPA Subtest-3	19.46	18.99	19.03	19.60	19.29	19.19	19.36	20.20	19.82	19.93	19.89	21.90
3GPP Rel 6	HSUPA Subtest-4	18.47	18.29	18.11	18.60	18.34	18.35	18.31	19.20	18.83	18.95	18.92	20.90
3GPP Rel 6	HSUPA Subtest-5	20.42	20.52	20.03	20.60	20.33	20.49	20.29	21.20	20.82	20.90	20.88	22.90

Band		CDMA BCD			Tune-up Limit (dBm)
TX Channel		1013	384	777	
Frequency (MHz)		824.7	836.52	848.31	
RC1 S065		23.20	23.47	23.41	24.60
RC3 S065		23.19	23.46	23.39	24.60
RC3 S032 (F+SCH)		23.23	23.50	23.45	24.60
RC3 S032 (+SCH)		23.21	23.49	23.43	24.60
RTAP 153.6Kbps		23.28	23.52	23.50	24.60
RETAP 4096Bits		23.25	23.49	23.48	24.60

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GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	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	24.70	24.71	23.54	25.00	20.44	20.45	19.28	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	24.26	24.29	24.50	18.31	18.26	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)
TX Channel		1013	384	777	
Frequency (MHz)		824.7	836.52	848.31	
RC1 S065		22.14	22.36	22.35	23.40
RC3 S065		22.11	22.33	22.34	23.40
RC3 S032 (F+SCH)		22.17	22.39	22.36	23.40
RC3 S032 (+SCH)		22.15	22.37	22.34	23.40
RTAP 153.6Kbps		22.40	22.43	22.38	23.40
RETAP 4096Bits		22.38	22.41	22.36	23.40

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.02	21.08	20.78	22.00	20.61	20.63	20.44	21.60	22.25	22.24	22.04	22.90
3GPP Rel 99	RMC 12.2Kbps	21.10	21.09	20.96	22.00	20.66	20.67	20.48	21.60	22.23	22.26	22.03	22.90
3GPP Rel 6	HSDDA Subtest-1	20.59	20.29	20.33	21.00	20.19	20.17	19.90	20.60	21.27	21.25	21.02	21.90
3GPP Rel 6	HSDDA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98	20.60	21.26	21.26	21.01	21.90
3GPP Rel 6	HSDDA Subtest-3	20.06	19.76	19.89	20.50	19.58	19.60	19.44	19.60	20.25	20.24	19.99	20.90
3GPP Rel 6	HSDDA Subtest-4	20.08	19.76	19.88	20.50	19.58	19.54	19.46	19.60	20.24	20.23	19.98	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.61	20.23	20.36	21.00	20.21	20.15	19.92	21.00	21.53	21.54	21.52	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.59	20.22	20.37	21.00	20.16	20.13	19.90	21.00	21.51	21.53	21.51	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.06	19.77	19.85	20.50	19.72	19.66	19.42	20.50	21.04	21.03	21.02	21.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.01	19.77	19.84	20.50	19.71	19.62	19.48	20.50	20.99	21.00	20.99	21.90
3GPP Rel 6	HSUPA Subtest-1	20.61	20.27	20.32	21.00	20.20	20.16	19.91	21.60	22.24	22.25	22.05	22.90
3GPP Rel 6	HSUPA Subtest-2	18.61	18.26	18.33	19.00	18.19	18.17	17.92	19.60	20.21	20.22	20.04	20.90
3GPP Rel 6	HSUPA Subtest-3	19.62	19.29	19.34	20.00	19.18	19.19	18.96	20.60	21.19	21.23	21.01	21.90
3GPP Rel 6	HSUPA Subtest-4	18.63	18.26	18.34	19.00	18.16	18.16	17.95	19.60	20.18	20.21	19.99	20.90
3GPP Rel 6	HSUPA Subtest-5	20.63	20.29	20.33	21.00	20.12	20.15	19.92	21.60	22.24	22.23	22.01	22.90

Band 2_Ant1 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18800	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.55	20.35	20.28	21.3	0		
20	QPSK	1	49	20.28	20.10	20.15				
20	QPSK	1	99	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	20.50	20.27	20.27				
20	16QAM	1	0	20.30	20.58	20.56				
20	16QAM	1	49	20.64	20.47	20.55	21.3	0		
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				
20	16QAM	50	50	20.37	20.28	20.36	21.3	0		
20	16QAM	100	0	20.48	20.28	20.27				
20	16QAM	1	0	20.64	20.46	20.41				
20	16QAM	1	49	20.33	20.33	20.34				
20	16QAM	1	99	20.32	20.32	20.36	21.3	0		
20	16QAM	50	0	20.14	19.91	19.90				
20	16QAM	50	24	20.10	19.92	19.98				
20	16QAM	50	50	19.98	19.89	19.96				
20	16QAM	100	0	20.09	19.89	19.90	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							1870.5	1880	1910.5	
15	QPSK	1	0	20.44	20.20	20.23	21.3	0		
15	QPSK	1	37	20.34	20.14	20.22				
15	QPSK	1	74	20.29	20.16	20.21				
15	QPSK	36	0	20.51	20.27	20.23				
15	QPSK	36	20	20.42	20.28	20.29	21.3	0		
15	QPSK	36	39	20.39	20.27	20.35				
15	QPSK	75	0	20.41	20.28	20.25				
15	16QAM	1	0	20.70	20.48	20.52				
15	16QAM	1	37	20.67	20.45	20.52	21.3	0		
15	16QAM	1	74	20.61	20.41	20.57				
15	16QAM	36	0	20.52	20.28	20.24				
15	16QAM	36	20	20.44	20.29	20.30				
15	16QAM	36	39	20.40	20.31	20.37	21.3	0		
15	16QAM	75	0	20.42	20.29	20.26				
15	16QAM	1	0	20.59	20.43	20.35				
15	16QAM	1	37	20.55	20.38	20.40				
15	16QAM	1	74	20.42	20.29	20.36	21	0.3		
15	16QAM	36	0	20.14	19.90	19.91				
15	16QAM	36	20	20.09	19.90	19.93				
15	16QAM	36	39	20.05	19.94	20.02				
15	16QAM	75	0	20.02	19.90	19.89	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							1855	1860	1910	
10	QPSK	1	0	20.36	20.08	20.20	21.3	0		
10	QPSK	1	25	20.33	20.09	20.20				
10	QPSK	1	49	20.24	20.10	20.20				
10	QPSK	25	0	20.45	20.18	20.20				
10	QPSK	25	12	20.42	20.24	20.26	21.3	0		
10	QPSK	25	25	20.41	20.26	20.35				
10	QPSK	50	0	20.37	20.25	20.26				
10	16QAM	1	0	20.74	20.51	20.61				
10	16QAM	1	25	20.67	20.48	20.60	21.3	0		
10	16QAM	1	49	20.72	20.45	20.57				
10	16QAM	25	0	20.47	20.19	20.21				
10	16QAM	25	12	20.42	20.25	20.26				
10	16QAM	25	25	20.42	20.27	20.34	21.3	0		
10	16QAM	50	0	20.40	20.23	20.24				
10	16QAM	1	0	20.60	20.39	20.45				
10	16QAM	1	25	20.65	20.39	20.52				
10	16QAM	1	49	20.51	20.34	20.46	21	0.3		
10	16QAM	25	0	20.11	19.84	19.84				
10	16QAM	25	12	20.04	19.89	19.90				
10	16QAM	25	25	20.01	19.87	19.97				
10	16QAM	50	0	20.03	19.86	19.91	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							1825	1830	19175	
5	QPSK	1	0	20.35	20.11	20.17	21.3	0		
5	QPSK	1	12	20.37	20.13	20.23				
5	QPSK	1	24	20.38	20.18	20.23				
5	QPSK	12	0	20.46	20.18	20.31				
5	QPSK	12	7	20.48	20.25	20.31	21.3	0		
5	QPSK	12	13	20.47	20.22	20.32				
5	QPSK	25	0	20.46	20.20	20.29				
5	16QAM	1	0	20.71	20.40	20.50				
5	16QAM	1	12	20.64	20.44	20.53	21.3	0		
5	16QAM	1	24	20.66	20.44	20.58				
5	16QAM	12	0	20.48	20.21	20.27				
5	16QAM	12	7	20.50	20.26	20.32				
5	16QAM	12	13	20.47	20.26	20.32	21.3	0		
5	16QAM	25	0	20.44	20.24	20.35				
5	16QAM	1	0	20.59	20.37	20.45				
5	16QAM	1	12	20.52	20.32	20.40				
5	16QAM	1	24	20.58	20.36	20.46	21.3	0		
5	16QAM	12	0	20.13	19.89	19.95				
5	16QAM	12	7	20.15	19.92	19.99				
5	16QAM	12	13	20.11	19.86	19.96				
5	16QAM	25	0	20.05	19.83	19.88	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							1815	1860	19185	
3	QPSK	1	0	20.32	20.10	20.19	21.3	0		
3	QPSK	1	8	20.42	20.18	20.26				
3	QPSK	1	14	20.36	20.14	20.21				
3	QPSK	8	0	20.42	20.21	20.29				
3	QPSK	8	4	20.45	20.21	20.31	21.3	0		
3	QPSK	8	7	20.42	20.19	20.27				
3	QPSK	15	0	20.45	20.17	20.29				
3	16QAM	1	0	20.64	20.41	20.53				
3	16QAM	1	8	20.70	20.51	20.56	21.3	0		
3	16QAM	1	14	20.67	20.46	20.51				
3	16QAM	8	0	20.51	20.24	20.35				
3	16QAM	8	4	20.51	20.32	20.36				
3	16QAM	8	7	20.48	20.25	20.35	21.3	0		
3	16QAM	15	0	20.48	20.25	20.30				
3	16QAM	1	0	20.63	20.30	20.44				
3	16QAM	1	8	20.68	20.40	20.51				
3	16QAM	1	14	20.64	20.34	20.43	21.3	0		
3	16QAM	8	0	20.10	19.85	19.94				
3	16QAM	8	4	20.11	19.90	19.98				
3	16QAM	8	7	20.09	19.88	19.96				
3	16QAM	15	0	20.08	19.83	19.90	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							1807	1860	19193	
1.4	QPSK	1	0	20.32	20.10	20.19	21.3	0		
1.4	QPSK	1	3	20.42	20.18	20.26				
1.4	QPSK	1	5	20.36	20.14	20.21				
1.4	QPSK	3	0	20.42	20.21	20.29				
1.4	QPSK	3	1	20.45	20.21	20.31	21.3	0		
1.4	QPSK	3	2	20.42	20.19	20.27				
1.4	QPSK	6	0	20.41	20.18	20.21				
1.4	QPSK	6	0	20.64	20.41	20.53				
1.4	16QAM	1	3	20.70	20.51	20.56	21.3	0		
1.4	16QAM	1	5	20.67	20.46	20.51				
1.4	16QAM	3	0	20.51	20.24	20.35				
1.4	16QAM	3	1	20.51	20.32	20.36				
1.4	16QAM	3	3	20.48	20.25	20.35	21.3	0		
1.4	16QAM	6	0	20.47	20.22	20.33				
1.4	16QAM	1	3	20.63	20.30	20.44				
1.4	16QAM	1	5	20.68	20.40	20.51				
1.4	16QAM	1	3	20.68	20.40	20.51	21.3	0		
1.4	16QAM	1	5	20.64	20.34	20.43				
1.4	16QAM	3	0	20.10	19.85	19.94				
1.4	16QAM	3	3	20.09	19.88	19.96				
1.4	16QAM	6	0	20.01	19.87	19.91	Tune-up limit (dBm)	MPR (dB)		
Channel										

Band 4_Ant1_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				20500	20175	20500				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	19.39	19.44	19.41	20.6	0		
20	QPSK	1	49	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	20.6	0		
20	QPSK	50	50	19.36	19.34	19.29				
20	QPSK	100	0	19.42	19.41	19.26				
20	16QAM	1	0	19.79	19.79	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	19.49	19.40				
20	64QAM	1	99	19.45	19.42	19.35	20.6	0		
20	64QAM	50	0	19.48	19.50	19.45				
20	64QAM	50	24	19.51	19.44	19.36				
20	64QAM	50	50	19.43	19.40	19.33				
20	64QAM	100	0	19.48	19.43	19.34				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	19.33	19.36	19.41	20.6	0		
15	QPSK	1	37	19.21	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	19.28	19.25				
15	QPSK	75	0	19.40	19.38	19.18				
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	19.39	19.22				
15	16QAM	36	39	19.31	19.36	19.25	20.6	0		
15	16QAM	75	0	19.38	19.38	19.25				
15	64QAM	1	0	19.52	19.60	19.61				
15	64QAM	1	37	19.47	19.39	19.35				
15	64QAM	1	74	19.37	19.41	19.29	20.6	0		
15	64QAM	36	0	19.47	19.48	19.45				
15	64QAM	36	20	19.51	19.35	19.32				
15	64QAM	36	39	19.43	19.34	19.26				
15	64QAM	75	0	19.38	19.41	19.28				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	19.31	19.39	19.36	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	25	19.31	19.32	19.21				
10	QPSK	50	0	19.39	19.34	19.24				
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				
10	16QAM	25	25	19.36	19.30	19.21	20.6	0		
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				
10	64QAM	1	49	19.45	19.33	19.34	20.6	0		
10	64QAM	25	0	19.42	19.41	19.38				
10	64QAM	25	12	19.43	19.40	19.32				
10	64QAM	25	25	19.42	19.40	19.28				
10	64QAM	50	0	19.40	19.39	19.29				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	19.30	19.41	19.32	20.6	0		
5	QPSK	1	12	19.16	19.14	19.13				
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	19.35	19.33	19.23				
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	19.43	19.37	19.28				
5	16QAM	12	13	19.38	19.34	19.26	20.6	0		
5	16QAM	25	0	19.37	19.30	19.22				
5	64QAM	1	0	19.60	19.58	19.57				
5	64QAM	1	12	19.40	19.39	19.35				
5	64QAM	1	24	19.36	19.36	19.33	20.6	0		
5	64QAM	12	0	19.44	19.43	19.43				
5	64QAM	12	7	19.48	19.43	19.33				
5	64QAM	12	13	19.37	19.34	19.28				
5	64QAM	25	0	19.46	19.34	19.34				
Channel				19950	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	19.34	19.34	19.39	20.6	0		
3	QPSK	1	8	19.20	19.23	19.14				
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	19.25				
3	QPSK	15	0	19.38	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	19.46	19.31	19.25				
3	16QAM	8	7	19.41	19.31	19.30	20.6	0		
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				
3	64QAM	1	14	19.43	19.43	19.30	20.6	0		
3	64QAM	8	0	19.39	19.50	19.35				
3	64QAM	8	4	19.47	19.38	19.34				
3	64QAM	8	7	19.36	19.36	19.32				
3	64QAM	15	0	19.44	19.33	19.24				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	19.36	19.40	19.35	20.6	0		
1.4	QPSK	1	3	19.17	19.16	19.16				
1.4	QPSK	1	5	19.19	19.08	19.11				
1.4	QPSK	3	1	19.36	19.40	19.40				
1.4	QPSK	3	1	19.39	19.33	19.31	20.6	0		
1.4	QPSK	3	3	19.33	19.30	19.23				
1.4	QPSK	6	0	19.35	19.39	19.17				
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	19.42				
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	19.36	19.35	19.22	20.6	0		
1.4	16QAM	6	0	19.39	19.30	19.30				
1.4	64QAM	1	0	19.54	19.62	19.57				
1.4	64QAM	1	3	19.46	19.46	19.31				
1.4	64QAM	1	5	19.38	19.33	19.27	20.6	0		
1.4	64QAM	3	0	19.44	19.44	19.45				
1.4	64QAM	3	1	19.50	19.42	19.29				
1.4	64QAM	3	3	19.39	19.35	19.27				
1.4	64QAM	6	0	19.39	19.43	19.30	19.6	1		

Band 7_Ant1 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				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.78	22.02	22.01	23	0	
20	QPSK	1	49	21.88	22.19	22.04			
20	QPSK	1	99	22.03	22.25	22.08			
20	QPSK	50	0	21.92	22.21	22.18	23	0	
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	23	0	
20	16QAM	1	0	22.18	22.38	22.36			
20	16QAM	1	49	22.23	22.57	22.41			
20	16QAM	1	99	22.40	22.56	22.42	23	0	
20	16QAM	50	0	21.04	21.22	21.19			
20	16QAM	50	24	21.05	21.29	21.21			
20	16QAM	50	50	21.12	21.32	21.15	23	0	
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	20.23			
20	64QAM	50	24	21.06	20.34	20.24	22	1	
20	64QAM	50	50	21.08	20.33	20.17			
20	64QAM	100	0	21.04	20.28	20.23			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.75	21.99	21.92	23	0	
15	QPSK	1	37	21.84	22.12	21.96			
15	QPSK	1	74	21.95	22.24	22.07			
15	QPSK	36	0	21.88	22.21	22.06	23	0	
15	QPSK	36	20	21.99	22.26	22.15			
15	QPSK	36	39	22.10	22.23	22.09			
15	QPSK	75	0	21.94	22.26	22.21	23	0	
15	16QAM	1	0	22.09	22.31	22.27			
15	16QAM	1	37	22.15	22.54	22.35			
15	16QAM	1	74	22.38	22.48	22.41	23	0	
15	16QAM	36	0	21.03	21.13	21.15			
15	16QAM	36	20	21.05	21.20	21.18			
15	16QAM	36	39	21.08	21.26	21.15	23	0	
15	16QAM	75	0	21.06	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	20.23	20.14			
15	64QAM	36	20	21.00	20.24	20.15	22	1	
15	64QAM	36	39	21.08	20.25	20.07			
15	64QAM	75	0	21.02	20.23	20.10			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.73	22.01	21.98	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	23	0	
10	QPSK	25	12	22.02	22.18	22.10			
10	QPSK	25	25	22.02	22.23	22.18			
10	QPSK	50	0	21.97	22.18	22.17	23	0	
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.54	22.34			
10	16QAM	1	49	22.38	22.56	22.37	23	0	
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	21.29	21.08	23	0	
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	25	0	20.90	20.19	20.15			
10	64QAM	25	12	21.06	20.32	20.14	22	1	
10	64QAM	25	25	21.06	20.26	20.16			
10	64QAM	50	0	20.97	20.19	20.23			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.78	21.91	21.80	23	0	
5	QPSK	1	12	21.83	22.11	21.84			
5	QPSK	1	24	21.94	22.15	22.04			
5	QPSK	12	0	21.82	22.13	22.10	23	0	
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	22.18	23	0	
5	16QAM	1	0	22.17	22.32	22.34			
5	16QAM	1	12	22.20	22.49	22.41			
5	16QAM	1	24	22.38	22.53	22.36	23	0	
5	16QAM	12	0	21.02	21.12	21.10			
5	16QAM	12	7	21.06	21.19	21.20			
5	16QAM	12	13	21.09	21.25	21.14	23	0	
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	22	1	
5	64QAM	12	13	20.98	20.29	20.10			
5	64QAM	25	0	20.94	20.25	20.23			

Band 7_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				2510	2535	2560			
Frequency (MHz)									
20	QPSK	1	0	19.10	19.48	19.23	21.1	0	
20	QPSK	1	49	19.14	19.42	19.23			
20	QPSK	1	99	19.32	19.29	19.23			
20	QPSK	50	0	19.20	19.54	19.38	21.1	0	
20	QPSK	50	24	19.35	19.53	19.40			
20	QPSK	50	50	19.37	19.47	19.32			
20	QPSK	100	0	19.34	19.51	19.40	21.1	0	
20	16QAM	1	0	19.45	19.63	19.61			
20	16QAM	1	49	19.54	19.78	19.58			
20	16QAM	1	99	19.72	19.83	19.60	21.1	0	
20	16QAM	50	0	19.12	19.30	19.20			
20	16QAM	50	24	19.15	19.36	19.21			
20	16QAM	50	50	19.19	19.37	19.15	21.1	0	
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	19.39	19.46	19.29			
20	64QAM	50	0	18.10	18.33	18.22			
20	64QAM	50	24	18.17	18.39	18.26	20.1	1	
20	64QAM	50	50	18.21	18.38	18.15			
20	64QAM	100	0	18.15	18.34	18.25			
Channel				20825	21100	21375	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.12	19.28	19.23	21.1	0	
15	QPSK	1	37	19.11	19.40	19.21			
15	QPSK	1	74	19.28	19.44	19.21			
15	QPSK	36	0	19.13	19.41	19.37	21.1	0	
15	QPSK	36	20	19.31	19.46	19.36			
15	QPSK	36	39	19.35	19.47	19.24			
15	QPSK	75	0	19.34	19.51	19.38	21.1	0	
15	16QAM	1	0	19.38	19.57	19.59			
15	16QAM	1	37	19.62	19.68	19.49			
15	16QAM	1	74	19.71	19.83	19.62	21.1	0	
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	19.29	19.14	21.1	0	
15	16QAM	75	0	19.15	19.24	19.14			
15	64QAM	1	0	19.16	19.27	19.17			
15	64QAM	1	37	19.15	19.42	19.20	21.1	0	
15	64QAM	1	74	19.31	19.41	19.28			
15	64QAM	36	0	18.16	18.24	18.17			
15	64QAM	36	20	18.15	18.38	18.18	20.1	1	
15	64QAM	36	39	18.17	18.31	18.12			
15	64QAM	75	0	18.14	18.34	18.22			
Channel				20800	21100	21400	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.13	19.28	19.22	21.1	0	
10	QPSK	1	25	19.14	19.32	19.20			
10	QPSK	1	49	19.24	19.42	19.14			
10	QPSK	25	0	19.16	19.42	19.35	21.1	0	
10	QPSK	25	12	19.25	19.45	19.33			
10	QPSK	25	25	19.35	19.44	19.23			
10	QPSK	50	0	19.33	19.44	19.30	21.1	0	
10	16QAM	1	0	19.39	19.59	19.57			
10	16QAM	1	25	19.62	19.77	19.62			
10	16QAM	1	49	19.71	19.74	19.51	21.1	0	
10	16QAM	25	0	19.10	19.24	19.11			
10	16QAM	25	12	19.12	19.27	19.18			
10	16QAM	25	25	19.14	19.33	19.11	21.1	0	
10	16QAM	50	0	19.11	19.23	19.15			
10	64QAM	1	0	19.12	19.26	19.31			
10	64QAM	1	25	19.13	19.43	19.23	21.1	0	
10	64QAM	1	49	19.30	19.37	19.21			
10	64QAM	25	0	18.12	18.31	18.19			
10	64QAM	25	12	18.13	18.29	18.21	20.1	1	
10	64QAM	25	25	18.20	18.30	18.10			
10	64QAM	50	0	18.11	18.25	18.23			
Channel				20775	21100	21425	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.12	19.19	19.21	21.1	0	
5	QPSK	1	12	19.10	19.41	19.21			
5	QPSK	1	24	19.24	19.42	19.17			
5	QPSK	12	0	19.12	19.37	19.37	21.1	0	
5	QPSK	12	7	19.30	19.46	19.32			
5	QPSK	12	13	19.29	19.54	19.29			
5	QPSK	25	0	19.29	19.43	19.33	21.1	0	
5	16QAM	0	0	19.43	19.57	19.57			
5	16QAM	1	12	19.47	19.77	19.58			
5	16QAM	1	24	19.67	19.76	19.55	21.1	0	
5	16QAM	12	0	19.11	19.27	19.15			
5	16QAM	12	7	19.10	19.36	19.15			
5	16QAM	12	13	19.17	19.36	19.12	21.1	0	
5	16QAM	25	0	19.15	19.27	19.10			
5	64QAM	1	0	19.12	19.21	19.29			
5	64QAM	1	12	19.18	19.48	19.20	21.1	0	
5	64QAM	1	24	19.36	19.37	19.26			
5	64QAM	12	0	18.12	18.29	18.15			
5	64QAM	12	7	18.15	18.36	18.20	20.1	1	
5	64QAM	12	13	18.14	18.37	18.28			
5	64QAM	25	0	18.13	18.27	18.22			

Band 66_Ant1 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				132072	132322	132572						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	21.14	21.12	21.05	22	0				
20	QPSK	1	49	21.05	20.98	20.90						
20	QPSK	1	99	20.96	20.91	20.78						
20	QPSK	50	0	21.15	21.11	21.04						
20	QPSK	50	24	21.13	21.08	20.99	22	0				
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	20.96	20.92	20.85						
20	16QAM	50	24	21.03	20.90	20.83						
20	16QAM	50	50	20.97	20.92	20.81	22	0				
20	16QAM	100	0	20.99	20.85	20.83						
20	16QAM	1	0	21.14	21.11	21.02						
20	16QAM	1	49	21.04	20.97	20.93						
20	16QAM	1	99	21.04	20.98	20.82	22	0				
20	16QAM	50	0	19.98	19.96	19.88						
20	16QAM	50	24	20.04	19.91	19.84						
20	16QAM	50	50	19.98	19.92	19.84						
20	16QAM	100	0	20.04	19.90	19.81	21	1				
Channel				132047	132322	132597						
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	21.07	21.08	21.02	22	0				
15	QPSK	1	37	21.05	20.93	20.81						
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	75	0	21.15	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						
15	16QAM	36	39	20.91	20.88	20.78	22	0				
15	16QAM	75	0	20.93	20.81	20.75						
15	16QAM	1	0	21.09	21.10	21.01						
15	16QAM	1	37	20.97	20.88	20.85						
15	16QAM	1	74	20.94	20.96	20.73	21	1				
15	16QAM	36	0	19.88	19.89	19.81						
15	16QAM	36	20	19.94	19.88	19.83						
15	16QAM	36	39	19.90	19.84	19.74						
15	16QAM	75	0	19.94	19.90	19.71	Channel					
Frequency (MHz)				132022	132322	132622						
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	21.09	21.02	20.95	22	0				
10	QPSK	1	25	21.02	20.91	20.86						
10	QPSK	1	49	20.86	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	25	25	21.11	21.02	20.96						
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						
10	16QAM	25	25	20.94	20.88	20.72	22	0				
10	16QAM	50	0	20.99	20.78	20.75						
10	16QAM	1	0	21.08	21.10	20.95						
10	16QAM	1	25	20.98	20.94	20.83						
10	16QAM	1	49	21.04	20.88	20.81	22	0				
10	16QAM	25	0	19.96	19.94	19.80						
10	16QAM	25	12	20.02	19.83	19.79						
10	16QAM	25	25	19.90	19.87	19.74						
10	16QAM	50	0	20.00	19.85	19.72	Channel					
Frequency (MHz)				131997	132322	132647						
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	21.08	21.02	21.04	22	0				
5	QPSK	1	12	21.04	20.97	20.84						
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						
5	16QAM	12	13	20.96	20.82	20.73	22	0				
5	16QAM	25	0	20.91	20.78	20.80						
5	16QAM	1	0	21.04	21.10	20.97						
5	16QAM	1	12	20.95	20.88	20.90						
5	16QAM	1	24	21.02	20.95	20.80	22	0				
5	16QAM	12	0	19.88	19.95	19.82						
5	16QAM	12	7	20.02	19.83	19.78						
5	16QAM	12	13	19.93	19.92	19.82						
5	16QAM	25	0	19.97	19.86	19.78	Channel					
Frequency (MHz)				131987	132322	132652						
Frequency (MHz)				1711.5	1745	1778.5						
3	QPSK	1	0	21.05	21.09	20.97	22	0				
3	QPSK	1	8	21.03	20.89	20.87						
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	21.08	21.04	20.95						
3	QPSK	15	0	21.14	20.95	20.95						
3	16QAM	1	0	21.49	21.45	21.38						
3	16QAM	1	8	21.39	21.31	21.19	22	0				
3	16QAM	1	14	21.33	21.16	21.11						
3	16QAM	8	0	20.86	20.85	20.82						
3	16QAM	8	4	21.03	20.82	20.75						
3	16QAM	8	7	20.95	20.85	20.72	22	0				
3	16QAM	15	0	20.93	20.77	20.74						
3	16QAM	1	0	21.12	21.05	21.02						
3	16QAM	1	8	20.94	20.91	20.89						
3	16QAM	1	14	20.95	20.95	20.77	22	0				
3	16QAM	8	0	19.97	19.88	19.80						
3	16QAM	8	4	20.03	19.84	19.75						
3	16QAM	8	7	19.98	19.86	19.78						
3	16QAM	15	0	19.99	19.88	19.76	Channel					
Frequency (MHz)				131979	132322	132665						
Frequency (MHz)				1710.7	1745	1779.3						
1.4	QPSK	1	0	21.09	21.09	20.98	22	0				
1.4	QPSK	1	3	20.98	20.88	20.86						
1.4	QPSK	1	5	20.88	20.87	20.68						
1.4	QPSK	3	0	21.09	21.10	21.00						
1.4	QPSK	3	1	21.04	21.02	20.95	22	0				
1.4	QPSK	3	3	21.13	21.04	20.98						
1.4	QPSK	6	0	21.18	20.99	20.95						
1.4	16QAM	1	0	21.48	21.47	21.38						
1.4	16QAM	1	3	21.39	21.33	21.16	22	0				
1.4	16QAM	1	5	21.30	21.15	21.02						
1.4	16QAM	3	0	20.92	20.89	20.82						
1.4	16QAM	3	1	20.96	20.79	20.82						
1.4	16QAM	3	3	20.95	20.86	20.76	22	0				
1.4	16QAM	6	0	20.86	20.79	20.82						
1.4	16QAM	1	0	21.06	21.07	20.97						
1.4	16QAM	1	3	21.01	20.88	20.86						
1.4	16QAM	1	5	20.98	20.97	20.74	22	0				
1.4	16QAM	3	0	21.00	21.08	20.98						
1.4	16QAM	3	1	20.99	20.79	20.80						
1.4	16QAM	3	3	20.92	20.87	20.74						
1.4	16QAM	6	0	20.80	19.82	19.79	21	1				

Band 38_Ant 1 DSI 3													
BSF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPIR (dB)					
Channel				31900	36000	36100							
Frequency (MHz)				219.5	219.5	219.5							
20	QPSK	1	0	18.13	18.13	18.13	21.1	0					
20	QPSK	1	49	18.17	18.18	18.18							
20	QPSK	1	99	18.22	18.24	18.24							
20	QPSK	50	24	18.26	18.28	18.28							
20	QPSK	50	24	18.31	18.33	18.33							
20	QPSK	100	0	18.35	18.36	18.36	21.1	0					
20	QPSK	100	0	18.40	18.42	18.42							
20	QPSK	100	0	18.45	18.47	18.47							
20	QPSK	100	0	18.50	18.52	18.52							
20	QPSK	100	0	18.55	18.57	18.57							
20	16QAM	1	49	18.34	18.36	18.36	21.1	0					
20	16QAM	1	99	18.39	18.41	18.41							
20	16QAM	50	0	18.43	18.45	18.45							
20	16QAM	50	50	18.48	18.50	18.50							
20	16QAM	50	50	18.53	18.55	18.55							
20	16QAM	50	24	18.58	18.60	18.60	21.1	0					
20	16QAM	50	24	18.63	18.65	18.65							
20	16QAM	50	24	18.68	18.70	18.70							
20	16QAM	50	24	18.73	18.75	18.75							
20	16QAM	50	24	18.78	18.80	18.80							
Channel				31900	36000	36100							
Frequency (MHz)				220.5	220.5	220.5							
15	QPSK	1	0	18.13	18.13	18.13	21.1	0					
15	QPSK	1	37	18.17	18.18	18.18							
15	QPSK	1	74	18.22	18.24	18.24							
15	QPSK	36	0	18.26	18.28	18.28							
15	QPSK	36	36	18.31	18.33	18.33							
15	QPSK	36	36	18.36	18.38	18.38	21.1	0					
15	QPSK	36	36	18.41	18.43	18.43							
15	QPSK	36	36	18.46	18.48	18.48							
15	QPSK	36	36	18.51	18.53	18.53							
15	QPSK	36	36	18.56	18.58	18.58							
15	16QAM	1	0	18.26	18.28	18.28	21.1	0					
15	16QAM	1	37	18.31	18.33	18.33							
15	16QAM	1	74	18.36	18.38	18.38							
15	16QAM	36	0	18.41	18.43	18.43							
15	16QAM	36	36	18.46	18.48	18.48							
15	16QAM	36	36	18.51	18.53	18.53	21.1	0					
15	16QAM	36	36	18.56	18.58	18.58							
15	16QAM	36	36	18.61	18.63	18.63							
15	16QAM	36	36	18.66	18.68	18.68							
15	16QAM	36	36	18.71	18.73	18.73							
15	16QAM	75	0	18.76	18.78	18.78	21.1	0					
15	16QAM	75	0	18.81	18.83	18.83							
15	16QAM	75	0	18.86	18.88	18.88							
15	16QAM	75	0	18.91	18.93	18.93							
15	16QAM	75	0	18.96	18.98	18.98							
Channel				31900	36000	36100							
Frequency (MHz)				220.5	220.5	220.5							
10	QPSK	1	0	18.13	18.13	18.13	21.1	0					
10	QPSK	1	25	18.18	18.19	18.19							
10	QPSK	1	49	18.24	18.25	18.25							
10	QPSK	20	12	18.29	18.30	18.30							
10	QPSK	20	12	18.34	18.35	18.35							
10	QPSK	20	12	18.39	18.40	18.40	21.1	0					
10	QPSK	20	12	18.44	18.45	18.45							
10	QPSK	20	12	18.49	18.50	18.50							
10	QPSK	20	12	18.54	18.55	18.55							
10	QPSK	20	12	18.59	18.60	18.60							
10	16QAM	1	0	18.34	18.35	18.35	21.1	0					
10	16QAM	1	25	18.39	18.40	18.40							
10	16QAM	1	49	18.44	18.45	18.45							
10	16QAM	1	74	18.49	18.50	18.50							
10	16QAM	20	0	18.54	18.55	18.55							
10	16QAM	20	12	18.59	18.60	18.60	21.1	0					
10	16QAM	20	12	18.64	18.65	18.65							
10	16QAM	20	12	18.69	18.70	18.70							
10	16QAM	20	12	18.74	18.75	18.75							
10	16QAM	20	12	18.79	18.80	18.80							
10	16QAM	20	25	18.84	18.85	18.85	21.1	0					
10	16QAM	20	25	18.89	18.90	18.90							
10	16QAM	20	25	18.94	18.95	18.95							
10	16QAM	20	25	18.99	19.00	19.00							
10	16QAM	20	25	19.04	19.05	19.05							
Channel				31775	36000	36225							
Frequency (MHz)				222.5	220.5	221.5							
5	QPSK	1	0	18.13	18.13	18.13	21.1	0					
5	QPSK	1	12	18.18	18.19	18.19							
5	QPSK	1	24	18.24	18.25	18.25							
5	QPSK	12	0	18.29	18.30	18.30							
5	QPSK	12	0	18.34	18.35	18.35							
5	QPSK	12	12	18.39	18.40	18.40	21.1	0					
5	QPSK	12	12	18.44	18.45	18.45							
5	QPSK	12	12	18.49	18.50	18.50							
5	QPSK	12	12	18.54	18.55	18.55							
5	QPSK	12	12	18.59	18.60	18.60							
5	16QAM	1	12	18.40	18.42	18.42	21.1	0					
5	16QAM	1	12	18.45	18.47	18.47							
5	16QAM	1	12	18.50	18.51	18.51							
5	16QAM	12	0	18.55	18.56	18.56							
5	16QAM	12	0	18.60	18.61	18.61							
5	16QAM	12	12	18.65	18.66	18.66	21.1	0					
5	16QAM	12	12	18.70	18.71	18.71							
5	16QAM	12	12	18.75	18.76	18.76							
5	16QAM	12	12	18.80	18.81	18.81							
5	16QAM	12	12	18.85	18.86	18.86							

Band 38 Ant 2 CSI 5									
RF Band	Modulation	RF Size	RF Offset	Power Tx (mW)	Power Rx (mW)	Power Tx (mW)	Power Rx (mW)	Time up (ms)	SPRS (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.30	19.30	19.30	19.30		
20	QPSK	1	49	19.30	19.30	19.30	19.30	21	0
20	QPSK	50	0	20.03	19.98	19.98	20.03		
20	QPSK	50	24	20.03	19.98	19.98	20.03	21	0
20	QPSK	50	50	20.03	19.93	19.93	20.03		
20	QPSK	50	75	20.03	19.93	19.93	20.03	21	0
20	QPSK	1	49	20.04	19.93	19.93	20.04		
20	QPSK	1	74	20.04	19.93	19.93	20.04	21	0
20	QPSK	50	0	19.97	19.95	19.95	19.97		
20	QPSK	50	24	19.95	19.97	19.97	19.95	20	1
20	QPSK	50	50	19.95	19.97	19.97	19.95		
20	QPSK	50	75	19.95	19.97	19.97	19.95	20	1
20	QPSK	1	0	19.78	19.65	19.65	19.78		
20	QPSK	1	49	19.78	19.65	19.65	19.78	20	1
20	QPSK	50	0	19.80	19.62	19.62	19.80		
20	QPSK	50	24	19.77	19.64	19.64	19.77	19	2
20	QPSK	50	24	19.67	19.59	19.59	19.67		
20	QPSK	100	0	19.95	19.49	19.49	19.95		
Frequency (MHz)				20.73	20.65	20.65	20.73	Time up (ms)	SPRS (dB)
15	QPSK	1	0	19.30	19.30	19.30	19.30		
15	QPSK	1	37	19.30	19.30	19.30	19.30	21	0
15	QPSK	36	0	19.34	19.28	19.28	19.34		
15	QPSK	36	0	19.34	19.28	19.28	19.34	21	0
15	QPSK	36	36	19.34	19.27	19.27	19.34		
15	QPSK	36	37	19.34	19.27	19.27	19.34	21	0
15	QPSK	1	0	20.03	19.99	19.99	20.03		
15	QPSK	1	37	20.03	19.99	19.99	20.03	21	0
15	QPSK	1	74	20.03	19.96	19.96	20.03		
15	QPSK	36	0	19.97	19.92	19.92	19.97		
15	QPSK	36	20	19.95	19.96	19.96	19.95	20	1
15	QPSK	36	21	19.95	19.96	19.96	19.95		
15	QPSK	75	0	19.93	19.87	19.87	19.93		
15	QPSK	75	0	19.93	19.87	19.87	19.93	20	1
15	QPSK	1	74	19.72	19.58	19.58	19.72		
15	QPSK	1	74	19.72	19.58	19.58	19.72	20	1
15	QPSK	36	20	19.73	19.67	19.67	19.73		
15	QPSK	36	20	19.73	19.67	19.67	19.73	19	2
15	QPSK	75	0	19.68	19.49	19.49	19.68		
Channel				20.65	20.65	20.65	20.65	Time up (ms)	SPRS (dB)
Frequency (MHz)				20.65	20.65	20.65	20.65	<td></td>	
10	QPSK	1	0	19.30	19.30	19.30	19.30		
10	QPSK	1	25	19.30	19.30	19.30	19.30	21	0
10	QPSK	25	0	19.34	19.28	19.28	19.34		
10	QPSK	25	0	19.34	19.28	19.28	19.34	21	0
10	QPSK	25	25	19.34	19.27	19.27	19.34		
10	QPSK	25	25	19.34	19.27	19.27	19.34	21	0
10	QPSK	1	0	19.97	19				

Band 41_Ant 1 DSI 3										
BS (MHz)	Modulation	RB Size	RB Offset	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Power Line Mode Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.32	20.41	20.44	20.53			
DS1R	1	46	33	20.32	20.37	20.34	20.32	20.34	21.1	0
DS1R	1	92	66	20.43	20.43	20.43	20.43	20.43		
DS1R	1	0	0	20.38	20.45	20.53	20.40	20.40		
DS1R	1	46	33	20.47	20.53	20.48	20.46	20.46	21.1	0
DS1R	1	92	66	20.48	20.49	20.42	20.47	20.46		
DS1R	1	138	102	20.52	20.52	20.52	20.52	20.52		
DS1R	1	0	0	20.43	20.45	20.47	20.47	20.47	21.1	0
DS1R	1	46	33	20.48	20.53	20.47	20.47	20.47		
DS1R	1	92	66	20.53	20.53	20.48	20.53	20.50		
DS1R	1	138	102	20.54	20.55	20.49	20.54	20.57	21.1	0
DS1R	1	0	0	20.54	20.55	20.49	20.54	20.57		
DS1R	1	46	33	20.58	20.58	20.56	20.56	20.56		
DS1R	1	92	66	20.61	20.61	20.50	20.61	20.59		
DS1R	1	138	102	20.65	20.65	20.58	20.65	20.65	21.1	0
DS1R	1	0	0	20.65	20.68	20.58	20.67	20.65		
DS1R	1	46	33	20.70	20.70	20.62	20.70	20.69		
DS1R	1	92	66	20.72	20.72	20.62	20.72	20.72	21.1	0
DS1R	1	138	102	20.76	20.76	20.66	20.76	20.76		
DS1R	1	0	0	20.82	20.83	20.69	20.86	20.86		
DS1R	1	46	33	20.87	20.87	20.74	20.87	20.87	21.1	0
DS1R	1	92	66	20.91	20.91	20.78	20.91	20.91		
DS1R	1	138	102	20.95	20.95	20.82	20.95	20.95		
DS1R	1	0	0	20.95	20.99	20.89	20.99	20.97		
DS1R	1	46	33	20.98	21.01	20.94	20.98	20.98	21.1	0
DS1R	1	92	66	21.03	21.03	20.94	21.03	21.03		
DS1R	1	138	102	21.07	21.07	20.97	21.07	21.07		
DS1R	1	0	0	21.07	21.08	20.97	21.08	21.08	21.1	0
DS1R	1	46	33	21.13	21.13	21.04	21.13	21.13		
DS1R	1	92	66	21.18	21.18	21.08	21.18	21.18		
DS1R	1	138	102	21.22	21.22	21.12	21.22	21.22	21.1	0
DS1R	1	0	0	21.22	21.24	21.14	21.24	21.24		
DS1R	1	46	33	21.28	21.28	21.18	21.28	21.28	21.1	0
DS1R	1	92	66	21.32	21.32	21.22	21.32	21.32		
DS1R	1	138	102	21.36	21.36	21.26	21.36	21.36	21.1	0
DS1R	1	0	0	21.36	21.38	21.28	21.38	21.38		
DS1R	1	46	33	21.42	21.42	21.32	21.42	21.42	21.1	0
DS1R	1	92	66	21.48	21.48	21.38	21.48	21.48		
DS1R	1	138	102	21.52	21.52	21.42	21.52	21.52	21.1	0
DS1R	1	0	0	21.52	21.54	21.44	21.54	21.54		
DS1R	1	46	33	21.58	21.58	21.48	21.58	21.58	21.1	0
DS1R	1	92	66	21.63	21.63	21.53	21.63	21.63		
DS1R	1	138	102	21.67	21.67	21				
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.32	20.41	20.44	20.53	20.53		
DS1R	1	46	33	20.32	20.37	20.34	20.32	20.32	21.1	0
DS1R	1	92	66	20.43	20.43	20.43	20.43	20.43		
DS1R	1	0	0	20.38	20.45	20.53	20.40	20.40		
DS1R	1	46	33	20.47	20.53	20.48	20.46	20.46	21.1	0
DS1R	1	92	66	20.48	20.49	20.42	20.47	20.46		
DS1R	1	138	102	20.52	20.52	20.52	20.52	20.52		
DS1R	1	0	0	20.43	20.45	20.47	20.47	20.47	21.1	0
DS1R	1	46	33	20.48	20.53	20.47	20.47	20.47		
DS1R	1	92	66	20.53	20.53	20.48	20.53	20.50		
DS1R	1	138	102	20.54	20.55	20.49	20.54	20.57	21.1	0
DS1R	1	0	0	20.54	20.55	20.49	20.54	20.57		
DS1R	1	46	33	20.58	20.58	20.56	20.56	20.56		
DS1R	1	92	66	20.61	20.61	20.50	20.61	20.59		
DS1R	1	138	102	20.65	20.65	20.58	20.65	20.65	21.1	0
DS1R	1	0	0	20.65	20.68	20.58	20.67	20.65		
DS1R	1	46	33	20.70	20.70	20.62	20.70	20.69		
DS1R	1	92	66	20.72	20.72	20.62	20.72	20.72	21.1	0
DS1R	1	138	102	20.76	20.76	20.66	20.76	20.76		
DS1R	1	0	0	20.82	20.83	20.69	20.86	20.86		
DS1R	1	46	33	20.87	20.87	20.74	20.87	20.87	21.1	0
DS1R	1	92	66	20.91	20.91	20.78	20.91	20.91		
DS1R	1	138	102	20.95	20.95	20.82	20.95	20.95		
DS1R	1	0	0	20.95	20.99	20.89	20.99	20.97		
DS1R	1	46	33	20.98	21.01	20.94	20.98	20.98	21.1	0
DS1R	1	92	66	21.03	21.03	20.94	21.03	21.03		
DS1R	1	138	102	21.07	21.07	20.97	21.07	21.07		
DS1R	1	0	0	21.07	21.08	20.97	21.08	21.08	21.1	0
DS1R	1	46	33	21.13	21.13	21.04	21.13	21.13		
DS1R	1	92	66	21.18	21.18	21.08	21.18	21.18		
DS1R	1	138	102	21.22	21.22	21.12	21.22	21.22	21.1	0
DS1R	1	0	0	21.22	21.24	21.14	21.24	21.24		
DS1R	1	46	33	21.28	21.28	21.18	21.28	21.28	21.1	0
DS1R	1	92	66	21.32	21.32	21.22	21.32	21.32		
DS1R	1	138	102	21.36	21.36	21.26	21.36	21.36	21.1	0
DS1R	1	0	0	21.36	21.38	21.28	21.38	21.38		
DS1R	1	46	33	21.42	21.42	21.32	21.42	21.42	21.1	0
DS1R	1	92	66	21.48	21.48	21.38	21.48	21.48		
DS1R	1	138	102	21.52	21.52	21.42	21.52	21.52	21.1	0
DS1R	1	0	0	21.52	21.54	21.44	21.54	21.54		
DS1R	1	46	33	21.58	21.58	21.48	21.58	21.58	21.1	0
DS1R	1	92	66	21.63	21.63	21.53	21.63	21.63		
DS1R	1	138	102	21.67	21.67	21				
Channel										
Frequency (MHz)										
DS1R	1	0	0	20.32	20.41	20.44	20.53	20.53		
DS1R	1	46	33	20.32	20.37	20.34	20.32	20.32	21.1	0
DS1R	1	92	66	20.43	20.43	20.43	20.43	20.43		
DS1R	1	0	0	20.38	20.45	20.53	20.40	20.40		
DS1R	1	46	33	20.47	20.53	20.48	20.46	20.46	21.1	0
DS1R	1	92	66	20.48	20.49	20.42	20.47	20.46		
DS1R	1	138	102	20.52	20.52	20.52	20.52	20.52		
DS1R	1	0	0	20.43	20.45	20.47	20.47	20.47	21.1	0
DS1R	1	46	33	20.48	20.53	20.47	20.47	20.47		
DS1R	1	92	66	20.53	20.53	20.48	20.53	20.50		
DS1R	1	138	102	20.54	20.55	20.49	20.54	20.57	21.1	0
DS1R	1	0	0	20.54	20.55	20.49	20.54	20.57		
DS1R	1	46	33	20.58	20.58	20.56	20.56	20.56		
DS1R	1	92	66	20.61	20.61	20.50	20.61	20.59		
DS1R	1	138	102	20.65	20.65	20.58	20.65	20.65	21.1	0
DS1R	1	0	0	20.65	20.68	20.58	20.67	20.65		
DS1R	1	46	33	20.70	20.70	20.62	20.70	20.69		
DS1R	1	92	66	20.72	20.72	20.62	20.72	20.72	21.1	0
DS1R	1	138	102	20.76	20.76	20.66	20.76	20.76		
DS1R	1	0	0	20.82	20.83	20.69	20.86	20.86		
DS1R	1	46	33	20.87	20.87	20.74	20.87	20.87	21.1	0
DS1R	1	92	66	20.91	20.91	20.78	20.91	20.91		
DS1R	1	138	102	20.95	20.95	20.82	20.95	20.95		
DS1R	1	0	0	20.95	20.99	20.89	20.99	20.97		
DS1R	1	46	33	20.98	21.01	20.94	20.98	20.98	21.1	0
DS1R	1	92	66	21.03	21.03	20.94	21.03	21.03		
DS1R	1	138	102	21.07	21.07	20.97	21.07	21.07		
DS1R	1	0	0	21.07	21.08	20.97	21.08	21.08	21.1	0
DS1R	1	46	33	21.13	21.13	21.04	21.13	21.13		
DS1R	1	92	66	21.18	21.18	21.08	21.18	21.18		
DS1R	1	138	102	21.22	21.22	21.12	21.22	21.22	21.1	0
DS1R	1	0	0	21.22	21.24	21.14	21.24	21.24		
DS1R	1	46	33	21.28	21.28	21.18	21.28	21.28	21.1	0
DS1R	1	92	66	21.32	21.32	21.22	21.32	21.32		
DS1R	1	138	102	21.36	21.36	21.26	21.36	21.36	21.1	0
DS1R	1	0	0	21.36	21.38	21.28	21.38	21.38		
DS1R	1	46	33	21.42	21.42	21.32	21.42	21.42	21.1	0
DS1R	1	92	66	21.48	21.48	21.38	21.48	21.48		
DS1R	1	138	102	21.52	21.52	21.42	21.52	21.52	21.1	0
DS1R	1	0	0	21.52	21.54	21.44	21.54	21.54		
DS1R	1	46	33	21.58	21.58	21.48	21.58	21.58	21.1	0
DS1R	1	92	66	21.63	21.63	21.53	21.63	21.63		
DS1R	1	138	102	21.67	21.67	21				

Band 41_Ant 1_DSI 5										
RF Band	Modulation	RF Size	RF Offset	Power Low Ch (Frac)	Power Low Mid Ch (Frac)	Power High Mid Ch (Frac)	Power High Ch (Frac)	Power High Ch (Frac)	Turn-on time (dBm)	WPRM (dB)
Channel										
Frequency (MHz)										
20	OFDM	1	0	17.95	18.16	18.31	18.12	18.20		
20	OFDM	1	49	18.20	18.20	18.20	18.20	18.16	19.1	0
20	OFDM	1	99	18.05	18.05	18.12	18.12	18.16		
20	OFDM	50	0	18.12	18.20	18.20	18.20	18.20		
20	OFDM	50	50	18.15	18.33	18.47	18.22	18.24	19.1	0
20	OFDM	50	100	18.10	18.33	18.45	18.21	18.20		
20	OFDM	50	150	18.05	18.33	18.45	18.20	18.20		
20	OFDM	1	49	18.05	18.24	18.42	18.20	18.20	19.1	0
20	OFDM	50	0	18.05	18.24	18.38	18.20	18.20		
20	OFDM	50	50	18.05	18.24	18.38	18.20	18.20		
20	OFDM	50	100	18.05	18.24	18.38	18.20	18.20	19.1	0
20	OFDM	50	150	18.05	18.24	18.38	18.20	18.20		
20	OFDM	1	99	18.21	18.30	18.13	18.24	18.21		
20	OFDM	1	49	18.40	18.24	18.12	18.20	18.20	19.1	0
20	OFDM	1	99	18.02	18.08	18.20	18.27	18.28		
20	OFDM	50	0	18.02	18.08	18.40	18.20	18.20		
20	OFDM	50	24	18.20	18.41	18.40	18.20	18.20		
20	OFDM	50	24	18.15	18.30	18.40	18.27	18.27	19.1	0
20	OFDM	100	0	18.21	18.30	18.47	18.25	18.25		
20	OFDM	100	0	18.25	18.38	18.47	18.25	18.25		
Channel										
Frequency (MHz)										
15	OFDM	1	0	20.51	20.61	20.61	20.61	20.61		
15	OFDM	1	27	18.70	18.73	18.80	18.74	18.73	19.1	0
15	OFDM	1	74	18.70	18.73	18.80	18.74	18.73		
15	OFDM	36	0	17.85	18.23	18.20	18.21	18.20		
15	OFDM	36	36	17.84	17.84	17.88	17.88	17.84	19.1	0
15	OFDM	36	50	17.85	17.85	17.85	17.84	17.82		
15	OFDM	36	74	17.84	17.84	17.84	17.84	17.84		
15	OFDM	1	0	18.23	18.24	18.24	18.24	18.25		
15	OFDM	1	37	17.83	17.84	17.84	17.84	17.85	19.1	0
15	OFDM	1	74	17.84	17.84	17.82	17.85	17.81		
15	OFDM	36	0	17.88	17.88	17.88	17.85	17.86		
15	OFDM	36	36	17.88	17.88	17.88	17.81	17.86	19.1	0
15	OFDM	36	50	17.88	17.88	17.88	17.87	17.86		
15	OFDM	36	74	17.88	17.88	17.88	17.87	17.86		
15	OFDM	1	0	17.86	17.86	17.86	17.86	17.86	19.1	0
15	OFDM	1	74	17.88	17.83	17.80	17.84	17.82		
15	OFDM	36	0	17.86	17.86	17.86	17.86	17.86		
15	OFDM	36	20	17.86	17.86	17.83	17.83	17.82		
15	OFDM	36	74	17.86	17.86	17.86	17.86	17.86	19.1	0
15	OFDM	36	99	17.86	17.86	17.86	17.86	17.86		
15	OFDM	36	99	17.86	17.84	17.84	17.80	17.82		
Channel										
Frequency (MHz)										
10	OFDM	1	0	20.51	20.61	20.61	20.61	20.61		
10	OFDM	1	0	17.87	17.91	17.93	17.94	17.97		
10	OFDM	1	0	17.86	17.86	17.86	17.86	17.86	19.1	0
10	OFDM	1	0	17.86	17.86	17.86	17.86	17.86		
10	OFDM	25	0	17.86	17.86	17.86	17.86	17.86		
10	OFDM	25	0	17.86	17.86	17.86	17.86	17.86		
10	OFDM	25	25	17.86	17.86	17.86	17.87	17.84		
10	OFDM	25	25	17.86	17.86	17.86	17.87	17.84		
10	OFDM	1	0	17.83	17.86	17.89	17.89	17.88		
10	OFDM	1	0	17.83	17.86	17.89	17.89	17.88		
10	OFDM	25	0	17.83	17.86	17.89	17.89	17.88	19.1	0
10	OFDM	25	0	17.83	17.86	17.89	17.89	17.88		
10	OFDM	25	25	17.83	17.86	17.89	17.89	17.88		
10	OFDM	25	12	17.87	17.91	17.94	17.94	17.94		
10	OFDM	25	12	17.86	17.90	17.92	17.92	17.94	19.1	0
10	OFDM	25	12	17.87	17.91	17.94	17.94	17.94		
10	OFDM	25	12	17.86	17.90	17.92	17.92	17.94		
10	OFDM	1	0	17.84	17.92	17.98	17.95	17.97		
10	OFDM	1	0	17.82	17.87	17.94	17.97	17.97		
10	OFDM	25	0	17.86	17.90	17.93	17.93	17.93	19.1	0
10	OFDM	25	0	17.87	17.93	17.96	17.99	17.96		
10	OFDM	25	0	17.84	17.93	17.95	17.95	17.95		
10	OFDM	25	25	17.87	17.97	17.91	17.93	17.91		
10	OFDM	25	25	17.86	17.96	17.96	17.96	17.96		
Channel										
Frequency (MHz)										
5	OFDM	1	0	17.21	17.24	17.26	17.26	17.26		
5	OFDM	1	12	17.24	17.24	17.24	17.24	17.24	19.1	0
5	OFDM	1	24	17.26	17.26	17.26	17.26	17.26		
5	OFDM	1	12	17.24	17.24	17.24	17.24	17.24		
5	OFDM	12	1	17.24	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	13	17.26	17.21	17.23	17.24	17.24		
5	OFDM	1	0	17.21	17.23	17.24	17.21	17.21		
5	OFDM	1	0	17.24	17.24	17.24	17.24	17.24		
5	OFDM	1	24	17.26	17.21	17.23	17.24	17.25		
5	OFDM	1	12	17.24	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	7	17.26	17.24	17.24	17.26	17.26		
5	OFDM	12	12	17.26	17.26	17.26	17.26	17.26		
5	OFDM	25	0	17.26	17.26	17.26	17.21	17.21		
5	OFDM	25	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	1	12	17.26	17.21	17.23	17.26	17.27		
5	OFDM	12	7	17.26	17.24	17.24	17.26	17.26		
5	OFDM	12	12	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	25	0	17.26	17.26	17.26	17.21	17.21		
5	OFDM	25	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26		
5	OFDM	12	0	17.26	17.26	17.26	17.26	17.26	19.1	0
5	OFDM	12	0	17.26	17.26	17.26				

Band 41_Ant 2 DSI 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Turn-up time (dB)	MPE (dB)			
Channel												
Frequency (MHz)				2503.5	2543.5	2583.5	2623.5	2663.5				
20	QPSK	1	0	18.03	18.03	17.99	17.97	17.99	19.8	0		
20	QPSK	1	60	18.05	17.93	17.99	17.95	18.00				
20	QPSK	1	90	17.99	17.99	17.95	17.93	18.00				
20	QPSK	50	24	17.95	17.95	18.03	17.99	18.00				
20	QPSK	50	0	18.03	17.99	17.99	18.03	17.95	19.8	0		
20	QPSK	50	60	18.05	17.95	17.99	17.95	18.00				
20	QPSK	50	90	17.99	17.99	17.95	17.93	18.00				
20	QPSK	100	0	18.03	17.99	17.99	18.03	18.00				
20	16QAM	1	0	17.97	17.99	17.93	18.03	17.95	19.8	0		
20	16QAM	1	60	17.95	18.03	18.03	17.99	18.00				
20	16QAM	1	90	17.99	17.99	17.95	17.93	18.00				
20	16QAM	50	0	17.95	17.95	17.99	18.03	18.00				
20	16QAM	50	60	17.99	18.02	17.96	17.95	17.97	19.8	0		
20	16QAM	50	90	18.03	18.03	18.03	17.99	18.00				
20	16QAM	100	0	18.03	17.99	17.99	18.03	18.00				
20	16QAM	100	60	18.05	17.95	17.99	17.95	18.00				
20	16QAM	100	90	17.99	17.99	17.95	17.93	18.00	19.8	0		
20	16QAM	100	24	17.95	17.95	17.99	17.99	18.00				
20	16QAM	100	0	18.03	17.97	17.95	17.97	17.99				
20	16QAM	100	0	18.03	17.97	17.95	17.97	17.99				
Channel												
Frequency (MHz)				2503.5	2543.5	2583.5	2623.5	2663.5				
15	QPSK	1	0	17.94	18.02	17.99	17.94	18.01	19.8	0		
15	QPSK	1	30	17.94	18.02	18.00	17.99	18.00				
15	QPSK	36	0	18.02	18.02	18.00	17.96	18.00				
15	QPSK	36	30	17.94	17.95	17.97	17.93	18.03				
15	QPSK	36	90	17.94	17.95	17.99	18.03	18.00	19.8	0		
15	QPSK	36	74	17.94	17.95	17.99	18.03	18.00				
15	QPSK	90	0	17.99	18.03	18.03	17.99	18.00				
15	QPSK	90	24	17.95	17.95	17.99	17.99	18.00				
15	16QAM	1	0	17.99	18.04	18.03	18.03	17.94	19.8	0		
15	16QAM	1	74	17.97	18.02	18.02	17.97	17.94				
15	16QAM	1	90	18.03	17.93	17.95	17.98	17.95				
15	16QAM	36	20	17.94	17.97	17.97	18.03	18.00				
15	16QAM	36	30	17.95	18.05	18.01	18.01	18.00	19.8	0		
15	16QAM	36	74	17.99	18.02	18.02	18.03	18.00				
15	16QAM	36	90	17.99	18.02	17.99	18.03	18.01				
15	16QAM	90	0	17.99	17.97	17.97	18.03	18.00				
15	16QAM	36	0	17.93	17.93	17.99	18.01	18.00	19.8	0		
15	16QAM	36	30	17.93	17.93	17.97	18.03	18.00				
15	16QAM	36	74	17.93	17.95	17.99	18.01	18.00				
15	16QAM	36	90	17.93	17.95	17.99	18.01	18.00				
Channel												
Frequency (MHz)				2603.5	2643.5	2683.5	2723.5	2763.5				
10	QPSK	1	0	18.01	17.95	18.01	17.96	17.99	19.8	0		
10	QPSK	1	24	18.01	18.03	17.95	18.01	17.99				
10	QPSK	1	40	17.93	18.02	17.95	17.93	17.99				
10	QPSK	20	0	18.01	17.97	17.93	17.93	18.00				
10	QPSK	20	12	17.99	17.97	17.99	17.95	17.99	19.8	0		
10	QPSK	20	24	17.95	17.95	18.01	17.93	18.00				
10	QPSK	50	0	17.93	18.02	18.02	17.94	18.02				
10	16QAM	1	0	17.93	18.01	18.01	18.03	17.95				
10	16QAM	1	20	17.94	17.95	18.03	17.93	18.01	19.8	0		
10	16QAM	1	40	17.99	17.94	17.95	17.93	17.99				
10	16QAM	25	0	17.93	17.95	18.01	17.99	18.03				
10	16QAM	25	40	17.95	17.95	18.02	18.00	18.00				
10	16QAM	25	20	17.93	17.95	17.99	17.95	17.94	19.8	0		
10	16QAM	25	0	17.93	17.95	18.01	17.95	18.00				
10	16QAM	25	20	17.93	17.95	17.99	17.95	17.94				
10	16QAM	25	40	17.93	17.95	17.99	17.95	17.94				
Channel												
Frequency (MHz)				2603.5	2643.5	2683.5	2723.5	2763.5				
5	QPSK	1	0	18.03	17.95	18.03	18.00	18.00	19.8	0		
5	QPSK	1	12	18.03	17.94	17.95	18.02	18.00				
5	QPSK	1	24	17.99	17.95	17.95	18.03	18.00				
5	QPSK	12	0	17.99	18.00	17.95	18.00	17.99				
5	QPSK	12	7	18.03	17.95	18.01	18.00	18.00	19.8	0		
5	QPSK	12	13	18.03	17.94	17.95	18.02	18.00				
5	QPSK	20	0	18.03	17.99	17.99	18.03	18.00				
5	QPSK	20	0	18.03	17.99	17.99	18.03	18.00				
5	16QAM	1	12	17.99	18.01	18.05	18.02	17.98	19.8	0		
5	16QAM	1	24	17.99	18.01	18.05	18.02	17.98				
5	16QAM	12	0	18.03	17.93	17.97	18.03	17.94				
5	16QAM	12	7	18.01	18.01	17.97	18.01	17.94				
5	16QAM	20	0	17.94	17.94	18.01	17.99	18.00	19.8	0		
5	16QAM	20	7	17.99	17.94	18.01	17.99	18.00				
5	16QAM	10	0	18.03	17.97	17.94	18.03	18.00				
5	16QAM	10	7	17.99	17.93	18.03	17.99	17.95				
5	16QAM	10	13	17.99	17.93	17.99	18.02	17.97	19.8	0		
5	16QAM	10	13	17.97	17.99	17.95	18.00	17.97				

Band 41_Ant 2 DSI 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Low Mid. Freq.	Power High Ch. Freq.	Power High Mid. Freq.	Turn-up time (dB)	MPE (dB)		
Channel											
Frequency (MHz)				3670.5	4014.5	4358.5	4702.5	5046.5			
20	QPSK	1	0	18.03	18.03	18.03	17.92	18.00	19.8	0	
20	QPSK	1	60	18.16	18.13	18.09	18.04	18.05			
20	QPSK	1	90	18.16	18.13	18.09	18.04	18.05			
20	QPSK	50	24	18.09	18.11	18.07	18.03	18.06			
20	QPSK	50	0	18.03	18.11	18.09	18.12	18.11	21	0	
20	QPSK	50	60	18.09	18.13	18.05	18.05	18.15			
20	QPSK	50	90	18.09	18.13	18.05	18.05	18.15			
20	QPSK	100	0	18.03	18.05	18.05	18.04	18.11			
20	16QAM	1	0	18.03	18.09	18.09	18.03	18.02	21	0	
20	16QAM	1	60	18.09	18.13	18.05	18.05	18.15			
20	16QAM	1	90	18.09	18.13	18.05	18.05	18.15			
20	16QAM	50	0	18.03	18.09	18.09	18.04	18.11			
20	16QAM	50	60	18.09	18.13	18.05	18.05	18.15	21	0	
20	16QAM	50	90	18.09	18.13	18.05	18.05	18.15			
20	16QAM	100	0	18.03	18.09	18.07	18.07	18.08			
20	16QAM	100	60	18.09	18.13	18.07	18.13	18.07			
20	16QAM	1	0	18.16	18.09	18.20	18.03	18.10	21	0	
20	16QAM	1	60	18.20	18.05	18.26	18.13	18.06			
20	16QAM	1	90	18.16	18.21	18.13	18.06	18.10			
20	16QAM	50	0								
Frequency (MHz)				3670.5	4014.5	4358.5	4702.5	5046.5			
10	QPSK	1	0	18.04	18.04	18.04	18.03	18.04	19.8	0	
10	QPSK	1	37	18.14	18.16	18.16	18.14	18.14			
10	QPSK	1	74	18.14	18.16	18.16	18.14	18.14			
10	QPSK	36	0	18.14	18.12	18.11	18.13	18.16			
10	QPSK	36	0	18.12	18.11	18.11	18.12	18.14	21	0	
10	QPSK	36	30	18.14	18.16	18.16	18.14	18.14			
10	QPSK	36	59	18.14	18.16	18.11	18.13	18.16			
10	QPSK	100	0	18.04	18.04	18.04	18.03	18.04			
10	16QAM	1	0	18.14	18.16	18.16	18.11	18.17	21	0	
10	16QAM	1	37	18.21	18.17	18.17	18.18	18.14			
10	16QAM	1	74	18.21	18.15	18.15	18.20	18.11			
10	16QAM	36	0	18.15	18.17	18.11	18.11	18.16			
10	16QAM	36	20	18.11	18.21	18.14	18.15	18.15	21	0	
10	16QAM	36	59	18.13	18.14	18.14	18.15	18.15			
10	16QAM	100	0	18.05	18.12	18.21	18.13	18.16			
10	16QAM	100	30	18.21	18.15	18.15	18.16	18.16			
10	16QAM	1	0	18.15	18.16	18.16	18.13	18.16	21	0	
10	16QAM	1	37	18.21	18.16	18.16	18.14	18.14			
10	16QAM	1	74	18.20	18.20	18.21	18.18	18.21			
10	16QAM	36	0	18.15	18.15	18.21	18.18	18.11			
10	16QAM	36	20	18.21	18.13	18.21	18.18	18.11	20	1	
10	16QAM	36	59	18.13	18.14	18.21	18.18	18.11			
10	16QAM	100	0	18.05	18.13	18.24	18.17	18.17			
10	16QAM	100	30	18.18	18.18	18.24	18.17	18.17			
Frequency (MHz)				3670.5	4014.5	4358.5	4702.5	5046.5			
5	QPSK	1	0	18.12	18.19	18.15	18.21	18.15	19.8	0	
5	QPSK	1	25	18.12	18.14	18.16	18.14	18.18			
5	QPSK	25	0	18.05	18.19	18.11	18.11	18.20			
5	QPSK	25	12	18.12	18.15	18.15	18.12	18.19			
5	QPSK	25	25	18.13	18.21	18.21	18.21	18.20	21	0	
5	QPSK	25	37	18.13	18.21	18.21	18.21	18.20			
5	QPSK	100	0	18.05	18.19	18.11	18.11	18.20			
5	QPSK	100	12	18.12	18.15	18.15	18.12	18.19			
5	16QAM	1	0	18.21	18.20	18.17	18.11	18.19	21	0	
5	16QAM	1	25	18.20	18.17	18.14	18.14	18.14			
5	16QAM	1	49	18.12	18.15	18.16	18.21	18.13			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13	21	0	
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.22	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	20	1	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM	25	37	18.14	18.22	18.22	18.21	18.21			
5	16QAM	100	0	18.17	18.21	18.21	18.18	18.19			
5	16QAM	100	12	18.18	18.18	18.11	18.20	18.17			
5	16QAM	1	25	18.13	18.15	18.18	18.12	18.19	21	0	
5	16QAM	1	49	18.18	18.15	18.18	18.12	18.19			
5	16QAM	25	0	18.05	18.17	18.14	18.15	18.15			
5	16QAM	25	12	18.21	18.15	18.19	18.13	18.13			
5	16QAM	25	25	18.14	18.22	18.22	18.21	18.21	20	1	
5	16QAM										

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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
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	23.08	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	22.96			
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	24.0	0.0	
20	QPSK	1	53	23.10	23.24	23.06			
20	QPSK	1	104	23.01	23.13	23.01			
20	QPSK	50	0	22.93	23.01	22.96	24.0	0.0	
20	QPSK	50	28	22.94	23.05	22.87			
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	22.96	22.79	23.0	1.0	
20	16QAM	1	53	22.75	22.79	22.61			
20	16QAM	1	104	22.67	22.62	22.59			
20	16QAM	50	0	22.48	22.48	22.52	23.0	1.0	
20	16QAM	50	28	22.35	22.30	22.50			
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	21.29	21.44	21.35	21.5	2.5	
20	64QAM	1	53	21.09	21.29	21.23			
20	64QAM	1	104	21.01	21.12	21.16			
20	64QAM	50	0	20.92	20.93	21.16	21.5	2.5	
20	64QAM	50	28	20.92	20.93	21.13			
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	24.0	0.0	
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	21.5	2.5	
15	64QAM	1	40	20.98	21.05	20.90			
15	64QAM	1	77	20.99	20.94	20.99			
15	64QAM	36	0	20.97	21.07	20.85	21.5	2.5	
15	64QAM	36	22	20.90	20.94	20.91			
15	64QAM	36	43	20.95	21.09	20.91			
15	64QAM	75	0	20.92	21.08	20.96	21.5	2.5	
Channel				165800	167300	168800	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	24.0	0.0	
10	QPSK	1	26	23.03	22.72	22.88			
10	QPSK	1	50	22.96	22.73	23.00			
10	QPSK	25	0	23.05	22.76	23.02	24.0	0.0	
10	QPSK	25	14	22.93	22.74	22.99			
10	QPSK	25	27	23.04	22.77	22.92			
10	QPSK	50	0	22.01	21.67	21.88	23.0	1.0	
10	16QAM	1	1	22.28	22.79	22.20	23.0	1.0	
10	16QAM	1	26	22.12	22.72	22.16			
10	16QAM	1	50	22.08	22.72	22.10			
10	16QAM	25	0	22.17	22.74	22.12	23.0	1.0	
10	16QAM	25	14	22.22	22.73	22.10			
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	21.5	2.5	
10	64QAM	1	26	20.84	21.36	20.84			
10	64QAM	1	50	20.85	21.34	20.84			
10	64QAM	25	0	20.87	21.31	21.01	21.5	2.5	
10	64QAM	25	14	20.76	21.19	20.97			
10	64QAM	25	27	20.80	21.34	20.95			
10	64QAM	50	0	20.76	21.35	20.85	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				165800	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	23.68				
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	24.0	0.0		
20	QPSK	1	53	23.15	23.27	22.92				
20	QPSK	1	104	21.45	21.35	21.36				
20	QPSK	50	0	22.61	22.66	22.77	24.0	0.0		
20	QPSK	50	28	23.61	23.80	23.84				
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	20.68	20.92	23.0	1.0		
20	16QAM	1	53	20.73	20.62	20.83				
20	16QAM	1	104	20.73	20.61	20.81				
20	16QAM	50	0	20.77	20.49	20.92	23.0	1.0		
20	16QAM	50	28	20.77	20.55	20.72				
20	16QAM	50	56	20.82	20.52	20.83				
20	16QAM	100	0	19.86	19.61	19.84	22.0	2.0		
20	64QAM	1	1	20.75	20.65	20.80	21.5	2.5		
20	64QAM	1	53	20.55	20.64	20.63				
20	64QAM	1	104	20.58	20.62	20.75				
20	64QAM	50	0	20.74	20.61	20.68	21.5	2.5		
20	64QAM	50	28	20.66	20.65	20.73				
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	22.65	23.0	1.0		
15	16QAM	1	40	22.62	22.66	22.65				
15	16QAM	1	77	22.66	22.61	22.45				
15	16QAM	36	0	22.56	22.54	22.53	23.0	1.0		
15	16QAM	36	22	22.64	22.60	22.50				
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	21.25	21.22	21.20	21.5	2.5		
15	64QAM	1	40	21.23	21.22	21.05				
15	64QAM	1	77	21.18	21.14	21.17				
15	64QAM	36	0	21.17	21.13	21.20	21.5	2.5		
15	64QAM	36	22	21.14	21.13	21.06				
15	64QAM	36	43	21.18	21.13	21.18				
15	64QAM	75	0	21.13	21.12	21.05	21.5	2.5		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	PI/2 BPSK	1	1	23.75	23.62	23.70	24.0	0.0		
10	PI/2 BPSK	1	26	23.56	23.50	23.55				
10	PI/2 BPSK	1	50	23.71	23.54	23.50				
10	PI/2 BPSK	25	0	23.63	23.56	23.51	24.0	0.0		
10	PI/2 BPSK	25	14	23.61	23.62	23.50				
10	PI/2 BPSK	25	27	23.62	23.59	23.66				
10	PI/2 BPSK	50	0	23.19	23.01	23.14	23.5	0.5		
10	QPSK	1	1	23.71	23.53	23.62	24.0	0.0		
10	QPSK	1	26	23.58	23.45	23.59				
10	QPSK	1	50	23.65	23.40	23.49				
10	QPSK	25	0	23.57	23.37	23.54	24.0	0.0		
10	QPSK	25	14	23.64	23.45	23.42				
10	QPSK	25	27	23.63	23.33	23.62				
10	QPSK	50	0	22.52	22.34	22.53	23.0	1.0		
10	16QAM	1	1	22.49	22.49	22.55	23.0	1.0		
10	16QAM	1	26	22.49	22.43	22.36				
10	16QAM	1	50	22.46	22.37	22.50				
10	16QAM	25	0	22.39	22.40	22.46	23.0	1.0		
10	16QAM	25	14	22.45	22.30	22.39				
10	16QAM	25	27	22.34	22.40	22.35				
10	16QAM	50	0	21.35	21.34	21.39	22.0	2.0		
10	64QAM	1	1	21.11	21.01	21.25	21.5	2.5		
10	64QAM	1	26	20.96	20.98	21.23				
10	64QAM	1	50	21.10	20.87	21.25				
10	64QAM	25	0	20.99	20.87	21.09	21.5	2.5		
10	64QAM	25	14	20.93	20.98	21.06				
10	64QAM	25	27	20.97	20.99	21.07				
10	64QAM	50	0	20.96	20.82	21.24	21.5	2.5		

Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PV2 BPSK	1	1	23.29	23.09	23.07	24.0	0.0
5	PV2 BPSK	1	13	23.14	22.91	22.91		
5	PV2 BPSK	1	23	23.23	22.92	22.88		
5	PV2 BPSK	12	0	23.21	22.90	22.90	24.0	0.0
5	PV2 BPSK	12	7	23.16	22.90	22.98		
5	PV2 BPSK	12	13	23.16	23.09	23.02		
5	PV2 BPSK	25	0	22.77	22.49	22.33	23.5	0.5
5	QPSK	1	1	23.08	23.02	23.11	24.0	0.0
5	QPSK	1	13	22.98	23.02	23.01		
5	QPSK	1	23	22.98	23.00	23.09		
5	QPSK	12	0	23.05	22.98	23.02	24.0	0.0
5	QPSK	12	7	22.96	23.00	23.04		
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	22.28	22.93	22.19	23.0	1.0
5	16QAM	1	13	22.12	22.89	22.06		
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	21.5	2.5
5	64QAM	1	13	20.80	21.31	21.00		
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	20.68	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

Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PV2 BPSK	1	1	23.79	23.78	23.65	24.0	0.0
5	PV2 BPSK	1	13	23.78	23.61	23.50		
5	PV2 BPSK	1	23	23.76	23.66	23.57		
5	PV2 BPSK	12	0	23.72	23.67	23.47	24.0	0.0
5	PV2 BPSK	12	7	23.65	23.68	23.63		
5	PV2 BPSK	12	13	23.71	23.67	23.46		
5	PV2 BPSK	25	0	23.19	23.17	23.13	23.5	0.5
5	QPSK	1	1	23.76	23.75	23.61	24.0	0.0
5	QPSK	1	13	23.67	23.69	23.61		
5	QPSK	1	23	23.56	23.72	23.60		
5	QPSK	12	0	23.68	23.70	23.43	24.0	0.0
5	QPSK	12	7	23.70	23.63	23.56		
5	QPSK	12	13	23.58	23.67	23.51		
5	QPSK	25	0	22.71	22.78	22.58	23.0	1.0
5	16QAM	1	1	22.74	22.80	22.61	23.0	1.0
5	16QAM	1	13	22.55	22.63	22.51		
5	16QAM	1	23	22.66	22.65	22.54		
5	16QAM	12	0	22.63	22.61	22.44	23.0	1.0
5	16QAM	12	7	22.71	22.62	22.61		
5	16QAM	12	13	22.67	22.70	22.55		
5	16QAM	25	0	22.55	22.60	22.45	22.0	2.0
5	64QAM	1	1	21.28	21.23	21.05	21.5	2.5
5	64QAM	1	13	21.15	21.06	21.01		
5	64QAM	1	23	21.13	21.18	20.94		
5	64QAM	12	0	21.12	21.16	20.90	21.5	2.5
5	64QAM	12	7	21.20	21.09	21.01		
5	64QAM	12	13	21.09	21.17	20.90		
5	64QAM	25	0	21.08	21.16	20.91	21.5	2.5

n41 for FCC_Ant 2 DSI2&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				509202	516598	523000			
Frequency (MHz)				2548.91	2592.99	2640			
100	PV2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0	
100	PV2 BPSK	1	137	23.40	23.72	23.77			
100	PV2 BPSK	1	271	23.36	23.77	23.70			
100	PV2 BPSK	135	0	23.27	23.19	23.62	24.0	0.0	
100	PV2 BPSK	135	69	23.21	23.73	23.52			
100	PV2 BPSK	135	138	23.14	23.25	23.52			
100	PV2 BPSK	270	0	23.13	23.28	23.47	23.5	0.5	
100	QPSK	1	1	23.32	23.81	23.75			
100	QPSK	1	137	23.40	23.83	23.67			
100	QPSK	1	271	23.31	23.85	23.60	24.0	0.0	
100	QPSK	135	0	23.19	22.58	23.60			
100	QPSK	135	69	23.20	23.74	23.49			
100	QPSK	135	138	23.07	22.72	22.81	24.0	0.0	
100	QPSK	270	0	22.51	22.63	22.71			
100	16QAM	1	1	22.97	22.88	22.65			
100	16QAM	1	137	22.83	22.83	22.56	23.0	1.0	
100	16QAM	1	271	22.87	22.71	22.59			
100	16QAM	135	0	22.90	22.73	22.48			
100	16QAM	135	69	22.90	22.81	22.55	23.0	1.0	
100	16QAM	135	138	22.96	22.85	22.55			
100	16QAM	270	0	21.97	21.76	21.46			
100	64QAM	1	1	21.08	21.37	21.15	21.5	2.5	
100	64QAM	1	137	20.99	21.25	21.02			
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			
100	64QAM	270	0	20.98	21.24	20.85	21.5	2.5	
Channel				509200	516598	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PV2 BPSK	1	1	23.47	23.80	23.83	24.0	0.0	
90	PV2 BPSK	1	120	23.33	23.79	23.75			
90	PV2 BPSK	1	243	23.39	23.68	23.67			
90	PV2 BPSK	120	0	23.47	23.79	23.81	24.0	0.0	
90	PV2 BPSK	120	60	23.34	23.60	23.76			
90	PV2 BPSK	120	120	23.32	23.65	23.71			
90	PV2 BPSK	240	0	22.77	23.29	23.14	23.5	0.5	
90	QPSK	1	1	23.49	23.77	23.75			
90	QPSK	1	120	23.47	23.68	23.60			
90	QPSK	1	243	23.44	23.67	23.66	24.0	0.0	
90	QPSK	120	0	23.34	23.62	23.75			
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			
90	16QAM	1	120	22.69	22.83	22.58	23.0	1.0	
90	16QAM	1	243	22.74	22.88	22.70			
90	16QAM	120	0	22.81	22.70	22.68			
90	16QAM	120	60	22.80	22.86	22.55	23.0	1.0	
90	16QAM	120	120	22.81	22.71	22.71			
90	16QAM	240	0	21.51	21.76	21.54			
90	64QAM	1	1	21.19	21.38	21.21	21.5	2.5	
90	64QAM	1	120	21.19	21.18	21.21			
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			
90	64QAM	240	0	21.01	21.05	21.02	21.5	2.5	
Channel				507204	516598	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PV2 BPSK	1	1	23.46	23.72	23.77	24.0	0.0	
80	PV2 BPSK	1	109	23.43	23.67	23.73			
80	PV2 BPSK	1	215	23.31	23.54	23.69			
80	PV2 BPSK	108	0	23.41	23.56	23.57	24.0	0.0	
80	PV2 BPSK	108	55	23.41	23.53	23.63			
80	PV2 BPSK	108	109	23.40	23.56	23.65			
80	PV2 BPSK	216	0	22.82	23.11	23.12	23.5	0.5	
80	QPSK	1	1	23.47	23.70	23.73			
80	QPSK	1	109	23.47	23.66	23.64			
80	QPSK	1	215	23.37	23.52	23.62	24.0	0.0	
80	QPSK	108	0	23.42	23.66	23.53			
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			
80	16QAM	1	109	22.79	22.78	22.76	23.0	1.0	
80	16QAM	1	215	22.78	22.80	22.76			
80	16QAM	108	0	22.83	22.77	22.70			
80	16QAM	108	55	22.74	22.77	22.84	23.0	1.0	
80	16QAM	108	109	22.83	22.92	22.78			
80	16QAM	216	0	21.62	21.70	21.58			
80	64QAM	1	1	21.04	21.42	21.38	21.5	2.5	
80	64QAM	1	109	20.95	21.35	21.23			
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	21.26			
80	64QAM	108	109	20.85	21.33	21.27			
80	64QAM	216	0	20.77	21.19	21.16	21.5	2.5	

Channel				505200	518598	531996	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	23.28	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	21.49	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	21.06	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	23.68	23.72	23.47		
20	QPSK	1	49	23.64	23.61	23.59		
20	QPSK	25	0	23.69	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	22.63	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	22.67	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 DSI 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				505002	516598	528000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.24	18.37	18.23		
100	PI/2 BPSK	1	137	18.16	18.24	18.01	18.7	0.0
100	PI/2 BPSK	1	271	18.26	18.29	18.05		
100	PI/2 BPSK	135	0	18.15	18.32	18.06	18.7	0.0
100	PI/2 BPSK	135	69	18.28	18.31	18.12		
100	PI/2 BPSK	135	138	18.26	18.30	18.10	18.7	0.0
100	PI/2 BPSK	270	0	18.31	18.35	18.13		
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		
100	16QAM	1	137	18.17	18.23	18.07	18.7	0.0
100	16QAM	1	271	18.19	18.32	18.10		
100	16QAM	135	0	18.13	18.22	17.98	18.7	0.0
100	16QAM	135	69	18.21	18.24	18.06		
100	16QAM	135	138	18.29	18.41	18.18	18.7	0.0
100	16QAM	270	0	18.10	18.22	18.04		
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	Tune-up limit (dBm)	MPR (dB)
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		
90	QPSK	1	120	18.14	18.24	18.04	18.7	0.0
90	QPSK	1	243	18.27	18.28	18.20		
90	QPSK	120	0	18.16	18.21	18.09	18.7	0.0
90	QPSK	120	60	18.14	18.15	18.05		
90	QPSK	120	120	18.62	18.62	18.34	18.7	0.0
90	QPSK	240	0	18.25	18.28	18.12		
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		
90	64QAM	1	120	18.15	18.15	17.96	18.7	0.0
90	64QAM	1	243	18.17	18.27	18.13		
90	64QAM	120	0	18.20	18.17	18.11	18.7	0.0
90	64QAM	120	60	18.24	18.21	18.05		
90	64QAM	120	120	18.28	18.30	18.17	18.7	0.0
90	64QAM	240	0	18.04	18.09	17.91		
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
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		
80	QPSK	1	109	18.06	18.18	18.01	18.7	0.0
80	QPSK	1	215	18.21	18.22	18.11		
80	QPSK	108	0	18.06	18.18	18.02	18.7	0.0
80	QPSK	108	55	18.08	18.12	17.97		
80	QPSK	108	109	18.45	18.49	18.30	18.7	0.0
80	QPSK	216	0	18.23	18.28	18.08		
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		
80	64QAM	1	109	18.12	18.10	17.88	18.7	0.0
80	64QAM	1	215	18.16	18.27	18.11		
80	64QAM	108	0	18.14	18.11	18.07	18.7	0.0
80	64QAM	108	55	18.23	18.13	18.05		
80	64QAM	108	109	18.22	18.28	18.07	18.7	0.0
80	64QAM	216	0	17.97	18.09	17.91		

Channel				505200	518598	531996	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	17.99	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	17.93	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	17.92	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

Full Power

2 CC																	
Configure		CA Configuration (BCS)	PCC									SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	Ch		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Intra-Band	Non-Contiguous	7A-7A	7	20	2535	21100	QPSK	1	0	M	7	20	2680	3350	23.20	23.22	
		66A-66A	66	20	1720	132072	QPSK	1	0	L	66	20	2190	67236	23.04	22.88	
	Contiguous	7C	7	20	2535	21100	QPSK	1	0	M	7	20	2673.0	3298	23.25	23.22	
		66C	66	20	1720	132072	QPSK	1	0	L	66	20	2139.6	66734	22.85	22.88	

3CC																				
Configure	CA Configuration (BCS)	PCC							Ch	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		41A-41C	41	20	2593	40620	QPSK	1	0	M	41	20	2593	40620	41	20	2612.8	40818	22.96	22.99
Intra-Band	Non-Contiguous	41A-41A-41A	41	20	2593	40620	QPSK	1	0	M	41	20	2680	41490	41	20	2680	41490	22.95	22.99
	Contiguous	41D	41	20	2593	40620	QPSK	1	0	M	41	20	2612.8	40818	41	20	2632.6	41016	23.01	22.99

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	Ch	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	7A-46D	7	20	2535	21100	QPSK	1	0	M	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.24	23.22

Full Power										
CA_41C Ant 1										
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	23.43	24
40185	39987	QPSK	1	0	1	99	2	0	23.4	24
40620	40422	QPSK	1	0	1	99	2	0	23.85	24
41055	40857	QPSK	1	0	1	99	2	0	23.84	24
41490	41292	QPSK	1	0	1	99	2	0	23.72	24

CA_41C Ant 2										
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	23.01	23.5
40185	39987	QPSK	1	0	1	99	2	0	23.08	23.5
40620	40422	QPSK	1	0	1	99	2	0	22.95	23.5
41055	40857	QPSK	1	0	1	99	2	0	22.81	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.63	23.5



CA_DSI 3										
CA_41C Ant 1										
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	99	1	0	1	0	20.59	21.1
40185	39987	QPSK	1	0	1	99	2	0	20.62	21.1
40620	40422	QPSK	1	0	1	99	2	0	21	21.1
41055	40857	QPSK	1	0	1	99	2	0	20.87	21.1
41490	41292	QPSK	1	0	1	99	2	0	20.98	21.1

CA_DSI 3										
CA_41C_Ant 2										
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	99	1	0	1	0	19.54	19.8
40185	39987	QPSK	1	0	1	99	2	0	19.51	19.8
40620	40422	QPSK	1	0	1	99	2	0	19.55	19.8
41055	40857	QPSK	1	0	1	99	2	0	19.38	19.8
41490	41292	QPSK	1	0	1	99	2	0	18.84	19.8



CA_DSI 5										
CA_41C_Ant 1										
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	99	1	0	1	0	17.66	19.1
40185	39987	QPSK	1	0	1	99	2	0	17.7	19.1
40620	40422	QPSK	1	0	1	99	2	0	17.89	19.1
41055	40857	QPSK	1	0	1	99	2	0	17.7	19.1
41490	41292	QPSK	1	0	1	99	2	0	17.88	19.1

CA_DSI 5										
CA_41C_Ant 2										
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	99	1	0	1	0	20.7	21
40185	39987	QPSK	1	0	1	99	2	0	20.6	21
40620	40422	QPSK	1	0	1	99	2	0	20.55	21
41055	40857	QPSK	1	0	1	99	2	0	20.41	21
41490	41292	QPSK	1	0	1	99	2	0	19.91	21



CA_DSI 6										
CA_41C_Ant 1										
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	99	1	0	1	0	18.56	19.1
40185	39987	QPSK	1	0	1	99	2	0	18.55	19.1
40620	40422	QPSK	1	0	1	99	2	0	18.84	19.1
41055	40857	QPSK	1	0	1	99	2	0	18.91	19.1
41490	41292	QPSK	1	0	1	99	2	0	18.81	19.1

CA_DSI 6										
CA_41C_Ant 2										
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	99	1	0	1	0	20.58	21
40185	39987	QPSK	1	0	1	99	2	0	20.71	21
40620	40422	QPSK	1	0	1	99	2	0	20.58	21
41055	40857	QPSK	1	0	1	99	2	0	20.44	21
41490	41292	QPSK	1	0	1	99	2	0	19.92	21



Power Table 1/3/4/5						
2.4GHz WLAN	Ant 4					
2.4GHz WLAN	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	15.50	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	
	802.11n-HT40 MCS0	3	2422	14.90	15.50	93.33
		6	2437	14.20	15.50	
		9	2452	12.20	13.00	

5GHz WLAN	Ant 4					
5.2GHz WLAN	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	
	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	19.50	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.20	13.00	91.84

5GHz WLAN	Ant 4					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	16.50	17.00	98.06
		56	5280	16.40	17.00	
		60	5300	16.30	17.00	
		64	5320	16.10	17.00	
	802.11n-HT20 MCS0	52	5260	16.60	17.50	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	19.20	20.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS0	52	5260	16.90	17.50	97.94
		56	5280	16.72	17.50	
		60	5300	16.90	17.50	
		64	5320	16.60	17.50	
	802.11ac-VHT40 MCS0	54	5270	19.00	20.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT80 MCS0	58	5290	14.20	15.50	91.84

5GHz WLAN	Ant 4					
5.5GHz WLAN	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	
	802.11n-HT20 MCS0	144	5720	16.70	17.50	98.19
		100	5500	16.90	17.50	
		116	5580	16.30	17.50	
		124	5620	16.21	17.50	
		132	5660	16.23	17.50	
	802.11n-HT40 MCS0	140	5700	16.30	17.50	95.88
		144	5720	16.30	17.50	
		102	5510	16.90	18.00	
		110	5550	19.50	20.00	
		126	5630	15.18	20.00	
	802.11ac-VHT20 MCS0	134	5670	19.20	20.00	97.94
		142	5710	19.20	20.00	
		100	5500	16.80	17.50	
		116	5580	16.30	17.50	
		124	5620	16.15	17.50	
	802.11ac-VHT40 MCS0	132	5660	16.18	17.50	95.88
		140	5700	16.20	17.50	
		144	5720	16.30	17.50	
		102	5510	17.10	18.00	
		110	5550	19.10	20.00	
	802.11ac-VHT80 MCS0	126	5630	19.03	20.00	91.84
		134	5670	19.00	20.00	
		142	5710	19.00	20.00	

5GHz WLAN	Ant 4					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	20.20	21.00	98.06
		157	5785	20.20	21.00	
		165	5825	20.20	21.00	
	802.11n-HT20 MCS0	148	5745	19.30	20.50	98.19
		157	5785	19.40	20.50	
		165	5825	19.10	20.50	
	802.11n-HT40 MCS0	151	5755	19.00	20.50	95.88
		159	5795	19.20	20.50	
	802.11ac-VHT20 MCS0	148	5745	19.30	20.50	97.94
		157	5785	19.40	20.50	
		165	5825	19.10	20.50	
	802.11ac-VHT40 MCS0	151	5755	18.70	20.00	95.88
		159	5795	18.70	20.00	
	802.11ac-VHT80 MCS0	155	5775	18.40	20.00	91.84

2.4GHz WLAN	Ant 4					
2.4GHz WLAN	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	Not Required	15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS0	3	2422		15.00	93.33
		6	2437		15.00	
		9	2452		13.00	

5GHz WLAN	Ant 4					
5.2GHz WLAN	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	Not Required	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	15.08	15.50	
	802.11ac-VHT20 MCS0	36	5180		15.50	97.94
		40	5200		15.50	
		44	5220		15.50	
		48	5240	Not Required	15.50	
	802.11ac-VHT40 MCS0	38	5190		14.00	95.88
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		13.00	91.84

5GHz WLAN	Ant 4					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260		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		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270	17.68	18.50	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS0	52	5260		17.50	97.94
		56	5280		17.50	
		60	5300		17.50	
		64	5320	Not Required	17.50	
	802.11ac-VHT40 MCS0	54	5270		18.50	95.88
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	91.84

5GHz WLAN	Ant 4					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500		16.00	98.06
		116	5580		16.00	
		124	5620		16.00	
		132	5660		16.00	
		140	5700		16.00	
	802.11n-HT20 MCS0	144	5720		16.00	98.19
		100	5500		16.00	
		116	5580		16.00	
		124	5620		16.00	
		132	5660			



Power Table 7						
2.4GHz WLAN	Ant 4					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-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	
	802.11n-HT20 MCS0	1	2412		15.00	97.92
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS0	3	2422		15.00	93.33
		6	2437		15.00	
		9	2452		13.00	

5GHz WLAN	Ant 4					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a-6Mbps	36	5180	Not Required	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	
	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	
	802.11ac-VHT80 MCS0	42	5210		13.00	91.84

5GHz WLAN	Ant 4					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a-6Mbps	52	5260	Not Required	15.50	98.06
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS0	52	5260		15.50	98.19
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270		15.50	95.88
		62	5310		15.50	
	802.11ac-VHT20 MCS0	52	5260		15.50	97.94
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11ac-VHT40 MCS0	54	5270		15.50	95.88
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290	15.13	15.50	91.84

5GHz WLAN	Ant 4					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-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		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		15.00	95.88
		110	5550		15.00	
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
		100	5500		15.00	
	802.11ac-VHT20 MCS0	116	5580		15.00	97.94
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
		102	5510		15.00	
	802.11ac-VHT40 MCS0	110	5550		15.00	95.88
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
		106	5530	14.93	15.00	91.84
		122	5610	14.75	15.00	
	802.11ac-VHT80 MCS0	138	5690	14.81	15.00	

5GHz WLAN	Ant 4					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a-6Mbps	149	5745	Not Required	16.00	98.06
		157	5785		16.00	
		165	5825		16.00	
	802.11n-HT20 MCS0	149	5745		16.00	98.19
		157	5785		16.00	
		165	5825		16.00	
	802.11n-HT40 MCS0	151	5755		16.00	95.88
		159	5795		16.00	
	802.11ac-VHT20 MCS0	149	5745		16.00	97.94
		157	5785		16.00	
		165	5825		16.00	
	802.11ac-VHT40 MCS0	151	5755		16.00	95.88
		159	5795		16.00	
		155	5775	15.68	16.00	91.84

2.4GHz WLAN	Ant 4					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-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	15.50	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		16.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS0	3	2422		15.50	93.33
		6	2437		15.50	
		9	2452		13.00	

5GHz WLAN	Ant 4					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-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	
	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	17.81	18.50	
	802.11ac-VHT80 MCS0	42	5210	12.20	13.00	91.84

5GHz WLAN	Ant 4					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.3GHz WLAN	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		17.50	98.19
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270	16.98	18.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	17.50	97.94
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11ac-VHT40 MCS0	54	5270		18.00	95.88
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	91.84

5GHz WLAN	Ant 4					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a-6Mbps	100	5500	Not Required	16.50	98.06
		116	5580		16.50	
		124	5620		16.50	
		132	5660		16.50	
		140	5700		16.50	
		144	5720		16.50	
	802.11a+VHT20 MCS9	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	
	802.11a+VHT40 MCS9	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	
	802.11a+VHT20 MCS9	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	
802.11a+VHT40 MCS9	110	5550	16.50	95.88		
	126	5630	16.50			
	134	5670	16.50			
	142	5710	16.50			
	106	5530	16.43		91.84	
	802.11a+VHT80 MCS9	122	5610			16.38
138		5690	16.37			



Power Table 1/3/4/5

Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.70	21.00	100.00
		6	2437	20.70	21.00	
		11	2462	19.80	21.00	
	802.11g 6Mbps	1	2412	15.10	15.50	98.06
		2	2417	17.50	16.00	
		6	2437	19.90	20.00	
		10	2457	17.70	18.00	
	802.11n-HT20 MCS0	1	2412	14.90	15.50	98.18
		2	2417	17.00	16.00	
		6	2437	19.90	20.00	
		10	2457	17.00	18.00	
	802.11n-HT40 MCS0	3	2422	15.20	15.50	94.90
		6	2437	14.20	15.50	
		9	2452	12.20	13.00	

Power Table 2

Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.75	15.00	100.00
		6	2437	14.69	15.00	
		11	2462	14.62	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	
	802.11n-HT20 MCS0	1	2412		14.50	98.18
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS0	3	2422		15.00	94.90
		6	2437		15.00	
		9	2452		13.00	

Power Table 6

Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.38	18.00	100.00
		6	2437	17.19	18.00	
		11	2462	17.12	18.00	
	802.11g 6Mbps	1	2412	Not Required	15.50	98.06
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT20 MCS0	1	2412		14.50	98.18
		2	2417		15.50	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS0	3	2422		14.50	94.90
		6	2437		15.50	
		9	2452		13.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS0	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	36	5190	13.40	14.00	95.85
		40	5230	19.40	20.00	
		36	5180	16.40	17.50	
		40	5200	16.21	17.50	
	802.11ac-VHT20 MCS0	44	5220	17.00	17.50	97.15
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	36	5190	13.40	14.00	96.41
		46	5230	19.30	20.00	
		42	5210	12.30	13.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	15.50	97.09
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS0	36	5180		15.50	97.93
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS0	36	5190		14.00	95.85
		46	5230		14.91	
		36	5180		15.50	
		40	5200		15.50	
	802.11ac-VHT20 MCS0	44	5220		15.50	97.15
		48	5240		15.50	
	802.11ac-VHT40 MCS0	38	5190		14.00	96.41
		46	5230		15.50	
		42	5210		13.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS0	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	36	5190	13.40	14.00	95.85
		46	5230	17.26	18.50	
		36	5180	16.40	17.50	
		40	5200	16.21	17.50	
	802.11ac-VHT20 MCS0	44	5220	17.00	17.50	97.15
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41
		46	5230	17.91	18.50	
		42	5210	12.30	13.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.80	17.00	97.09
		56	5280	16.70	17.00	
		60	5300	16.60	17.00	
		64	5320	16.40	17.00	
	802.11n-HT20 MCS0	52	5260	16.90	17.50	97.93
		56	5280	19.62	17.50	
		60	5300	17.30	17.50	
		64	5320	17.00	17.50	
	802.11n-HT40 MCS0	54	5270	19.20	20.00	95.85
		62	5310	14.90	15.50	
	802.11ac-VHT20 MCS0	52	5260	16.80	17.50	97.15
		56	5280	16.72	17.50	
		60	5300	17.20	17.50	
		64	5320	16.90	17.50	
	802.11ac-VHT40 MCS0	54	5270	19.70	20.00	96.41
		62	5310	14.90	15.50	
		58	5290	14.50	15.50	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.00	97.09
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11n-HT20 MCS0	52	5260		17.50	97.93
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270		17.22	95.85
		62	5310		14.80	
	802.11ac-VHT20 MCS0	52	5260		17.50	97.15
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11ac-VHT40 MCS0	54	5270		18.50	96.41
		62	5310		15.50	
		58	5290		15.50	

5GHz WLAN		Ant 3				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.50	17.50	97.09
		116	5580	16.50	17.50	
		124	5620	16.40	17.50	
		132	5660	16.70	17.50	
		140	5700	16.60	17.50	
		144	5720	16.80	17.50	
	802.11n-HT20 MCS0	100	5500	17.20	17.50	97.93
		116	5580	17.40	17.50	
		124	5620	17.38	17.50	
		132	5660	17.15	17.50	
		140	5700	17.40	17.50	
		144	5720	17.40	17.50	
	802.11n-HT40 MCS0	102	5510	16.90	18.00	95.85
		110	5550	19.50	20.00	
		126	5630	19.63	20.00	
		134	5670	19.20	20.00	
		142	5710	19.20	20.00	
	802.11ac-VHT20 MCS0	100	5500	17.20	17.50	97.15
		116	5580	17.30	17.50	
		124	5620	17.15	17.50	
		132	5660	17.09	17.50	
802.11ac-VHT40 MCS0	140	5700	17.30	17.50	96.41	
	144	5720	17.30	17.50		
	102	5510	17.20	18.00		
	110	5550	19.30	20.00		
	126	5630	19.23	20.00		
802.11ac-VHT80 MCS0	134	5670	19.80	20.00	92.00	
	142	5710	19.70	20.00		
	106	5530	16.30	17.00		
	122	5610	16.00	19.50		
	138	5690	15.10	19.50		



Power Table 7						
2.4GHz WLAN	Ant 3					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.75	15.00	100.00
		6	2437	14.69	15.00	
		11	2462	14.62	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	
	802.11n-HT20 MCS0	1	2412		15.00	98.18
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS0	11	2462		15.00	94.90
		3	2422		15.00	
		6	2437		15.00	
		9	2452		13.00	

Power Table 8						
2.4GHz WLAN	Ant 3					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.82	18.00	100.00
		6	2437	17.72	18.00	
		11	2462	17.78	18.00	
	802.11g 6Mbps	1	2412	Not Required	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	98.18
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS0	11	2462		14.50	94.90
		3	2422		15.50	
		6	2437		15.50	
		9	2452		13.00	

Power Table 9						
2.4GHz WLAN	Ant 3					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.65	20.00	100.00
		6	2437	19.38	20.00	
		11	2462	19.12	20.00	
	802.11g 6Mbps	1	2412	15.10	15.50	98.06
		2	2417	17.50	18.00	
		6	2437	19.90	20.00	
		10	2457	17.70	18.00	
		11	2462	14.10	14.50	
	802.11n-HT20 MCS0	1	2412	14.90	15.50	98.18
		2	2417	17.00	18.00	
		6	2437	15.90	20.00	
		10	2457	17.00	18.00	
	802.11n-HT40 MCS0	11	2462	13.90	14.50	94.90
		3	2422	15.20	15.50	
		6	2437	14.20	15.50	
		9	2452	12.20	13.00	

5GHz WLAN	Ant 3					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	15.50	97.09
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS0	36	5180		15.50	97.93
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS0	38	5190		14.00	95.85
		46	5230		15.50	
		36	5180		15.50	
	802.11ac-VHT20 MCS0	40	5200		15.50	97.15
		44	5220		15.50	
		48	5240		15.50	
	802.11ac-VHT40 MCS0	38	5190		14.00	96.41
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		13.00	92.00

5GHz WLAN	Ant 3					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS0	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	38	5190	13.40	14.00	95.85
		46	5230	17.36	18.50	
		36	5180	16.40	17.50	
	802.11ac-VHT20 MCS0	40	5200	16.21	17.50	97.15
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41
		46	5230	17.91	18.50	
	802.11ac-VHT80 MCS0	42	5210	12.30	13.00	92.00

5GHz WLAN	Ant 3					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS0	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	38	5190	13.40	14.00	95.85
		46	5230	15.40	20.00	
		36	5180	16.40	17.50	
	802.11ac-VHT20 MCS0	40	5200	16.21	17.50	97.15
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41
		46	5230	19.30	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.30	13.00	92.00

5GHz WLAN	Ant 3					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	15.50	97.09
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS0	52	5260		15.50	97.93
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270		15.50	95.85
		62	5310		15.50	
		52	5260		15.50	
	802.11ac-VHT20 MCS0	56	5280		15.50	97.15
		60	5300		15.50	
		64	5320		15.50	
	802.11ac-VHT40 MCS0	54	5270		15.50	96.41
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290	14.89	15.50	92.00

5GHz WLAN	Ant 3					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	17.00	97.09
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11n-HT20 MCS0	52	5260		17.50	97.93
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270		17.12	95.85
		62	5310		14.80	
		52	5260		17.50	
	802.11ac-VHT20 MCS0	56	5280		17.50	97.15
		60	5300		17.50	
		64	5320		17.50	
	802.11ac-VHT40 MCS0	54	5270		18.00	96.41
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	92.00

5GHz WLAN	Ant 3					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dbm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	16.80	17.00	97.09
		56	5280	16.70	17.00	
		60	5300	16.60	17.00	
		64	5320	16.40	17.00	
	802.11n-HT20 MCS0	52	5260	16.90	17.50	97.93
		56	5280	19.62	17.50	
		60	5300	17.30	17.50	
		64	5320	17.00	17.50	
	802.11n-HT40 MCS0	54	5270	19.20	20.00	95.85
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS0	52	5260	16.80	17.50	97.15
		56	5280	16.72	17.50	
		60	5300	17.20	17.50	
		64	5320	16.90	17.50	
802.11ac-VHT40 MCS0	54	5270	19.70	20.00	96.41	
	62	5310	14.90	15.50		
802.11ac-VHT80 MCS0	58	5290	14.50	15.50	92.00	



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	23.78	24.00	100.00
		6	2437	23.98	24.00	
		11	2462	23.01	24.00	
	802.11g 6Mbps	1	2412	18.20	18.50	97.58
		2	2417	20.61	21.00	
		6	2437	22.95	23.00	
		10	2457	20.86	21.00	
		11	2462	17.14	17.50	
	802.11n-HT20 MCS0	1	2412	17.98	18.50	98.19
		2	2417	20.12	21.00	
		6	2437	22.94	23.00	
		10	2457	20.11	21.00	
		11	2462	16.83	17.50	
	802.11n-HT40 MCS0	3	2422	18.27	18.50	93.91
		6	2437	17.25	18.50	
		9	2452	19.23	18.00	

Power Table 2

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	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	2457	18.00		
		11	2462	17.50		
	802.11n-HT20 MCS0	1	2412	18.00	98.19	
		2	2417	18.00		
		6	2437	18.00		
		10	2457	18.00		
		11	2462	17.50		
	802.11n-HT40 MCS0	3	2422	18.00	93.91	
		6	2437	18.00		
		9	2452	16.00		

Power Table 6

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.58	21.00	100.00
		6	2437	20.65	21.00	
		11	2462	20.75	21.00	
	802.11g 6Mbps	1	2412	18.50	97.58	
		2	2417	21.00		
		6	2437	21.00		
		10	2457	21.00		
		11	2462	17.50		
	802.11n-HT20 MCS0	1	2412	18.50	98.19	
		2	2417	21.00		
		6	2437	21.00		
		10	2457	21.00		
		11	2462	17.50		
	802.11n-HT40 MCS0	3	2422	18.50	93.91	
		6	2437	18.50		
		9	2452	16.00		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	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 MCS0	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 MCS0	38	5190	16.56	17.00	95.85
		46	5230	22.56	23.00	
	802.11ac-VHT20 MCS0	36	5180	19.61	20.50	97.15
		40	5200	19.76	20.50	
		44	5220	20.11	20.50	
		48	5240	19.96	20.50	
	802.11ac-VHT40 MCS0	38	5190	16.51	17.00	95.88
		46	5230	22.41	23.00	
	802.11ac-VHT80 MCS0	42	5210	15.26	16.00	91.84

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	97.35	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11n-HT20 MCS0	36	5180	18.50	97.93	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11n-HT40 MCS0	38	5190	17.00	95.85	
		46	5230	17.52		
	802.11ac-VHT20 MCS0	36	5180	18.50	97.15	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11ac-VHT40 MCS0	38	5190	17.00	95.88	
		46	5230	18.50		
	802.11ac-VHT80 MCS0	42	5210	16.00	91.84	

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.00	97.35	
		40	5200	20.00		
		44	5220	20.00		
		48	5240	20.00		
	802.11n-HT20 MCS0	36	5180	20.50	97.93	
		40	5200	20.50		
		44	5220	20.50		
		48	5240	20.50		
	802.11n-HT40 MCS0	38	5190	17.00	95.85	
		46	5230	21.50		
	802.11ac-VHT20 MCS0	36	5180	20.50	97.15	
		40	5200	20.50		
		44	5220	20.50		
		48	5240	20.50		
	802.11ac-VHT40 MCS0	38	5190	17.00	95.88	
		46	5230	21.50		
	802.11ac-VHT80 MCS0	42	5210	16.00	91.84	

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.81	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 MCS0	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 MCS0	54	5270	22.52	23.00	95.85
		62	5310	17.91	18.50	
	802.11ac-VHT20 MCS0	52	5260	19.71	20.50	97.15
		56	5280	19.67	20.50	
		60	5300	20.06	20.50	
		64	5320	19.76	20.50	
	802.11ac-VHT40 MCS0	54	5270	22.37	23.00	95.88
		62	5310	17.86	18.50	
	802.11ac-VHT80 MCS0	68	5290	17.36	18.50	91.84

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.00	97.35	
		56	5280	20.00		
		60	5300	20.00		
		64	5320	20.00		
	802.11n-HT20 MCS0	52	5260	20.50	97.93	
		56	5280	20.50		
		60	5300	20.50		
		64	5320	20.50		
	802.11n-HT40 MCS0	54	5270	20.92	95.85	
		62	5310	17.91		
	802.11ac-VHT20 MCS0	52	5260	20.50	97.15	
		56	5280	20.50		
		60	5300	20.50		
		64	5320	20.50		
	802.11ac-VHT40 MCS0	54	5270	21.50	95.88	
		62	5310	18.50		
	802.11ac-VHT80 MCS0	68	5290	18.50	91.84	

5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5900	19.61	20.50	97.35
		116	5980	19.53	20.50	
		124	5620	19.60	20.50	
		132	5660	19.84	20.50	
		140	5700	19.90	20.50	
	802.11n HT720 MCS9	144	5720	19.84	20.50	
		100	5900	20.06	20.50	
		116	5980	19.90	20.50	
		124	5620	20.00	20.50	
		132	5660	19.84	20.50	
	802.11n HT40 MCS9	140	5700	19.90	20.50	97.93
		144	5720	19.90	20.50	
		102	5910	20.16	21.00	
		110	5950	22.57	23.00	
		126	5930	22.26	23.00	
	802.11ac VHT40 MCS9	134	5670	22.57	23.00	95.85
		142	5710	22.53	23.00	
		100	5900	20.01	20.50	
		116	5980	19.84	20.50	
		124	5620	19.90	20.50	
	802.11ac VHT20 MCS9	132	5660	19.78	20.50	97.15
		140	5700	19.80	20.50	
		144	5720	19.84	20.50	
		102	5910	20.16	21.00	
		110	5950	22.21	23.00	
802.11n VHT40 MCS9	126	5930	22.38	23.00	95.88	
	134	5670	22.43	23.00		
	142	5710	22.37	23.00		
	106	5930	19.31	20.00		
	122	5910	21.58	22.50		
802.11ac VHT80 MCS9	138	5690	21.68	22.50	91.84	



Power Table 7						
2.4GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	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	2457	18.00		
		11	2462	17.50		
		1	2412	18.00		
	802.11n-HT20 MCS0	2	2417	18.00	98.19	
		6	2437	18.00		
		10	2457	18.00		
		11	2462	17.50		
	802.11n-HT40 MCS0	3	2422	18.00	93.91	
		6	2437	18.00		
		9	2452	18.00		

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	97.35	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11n-HT20 MCS0	36	5180	18.50	97.93	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11n-HT40 MCS0	38	5190	17.00	95.85	
		46	5230	18.50		
	802.11ac-VHT20 MCS0	36	5180	18.50	97.15	
		40	5200	18.50		
		44	5220	18.50		
		48	5240	18.50		
	802.11ac-VHT40 MCS0	38	5190	17.00	95.88	
		46	5230	18.50		
	802.11ac-VHT80 MCS0	42	5210	16.00	91.84	

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.50	97.35	
		56	5280	18.50		
		60	5300	18.50		
		64	5320	18.50		
	802.11n-HT20 MCS0	52	5260	18.50	97.93	
		56	5280	18.50		
		60	5300	18.50		
		64	5320	18.50		
	802.11n-HT40 MCS0	54	5270	18.50	95.85	
		62	5310	18.50		
	802.11ac-VHT20 MCS0	52	5260	18.50	97.15	
		56	5280	18.50		
		60	5300	18.50		
		64	5320	18.50		
	802.11ac-VHT40 MCS0	54	5270	18.50	95.88	
		62	5310	18.50		
	802.11ac-VHT80 MCS0	58	5290	17.87	91.84	

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.00	97.35	
		116	5580	18.00		
		124	5620	18.00		
		132	5660	18.00		
		140	5700	18.00		
		144	5720	18.00		
	802.11n-HT20 MCS0	100	5500	18.00	97.93	
		116	5580	18.00		
		124	5620	18.00		
		132	5660	18.00		
		140	5700	18.00		
		144	5720	18.00		
	802.11n-HT40 MCS0	102	5510	18.00	95.85	
		110	5550	18.00		
		126	5630	18.00		
		134	5670	18.00		
		142	5710	18.00		
		100	5500	18.00	97.15	
	802.11ac-VHT20 MCS0	116	5580	18.00		
		124	5620	18.00		
		132	5660	18.00		
		140	5700	18.00		
		144	5720	18.00		
	802.11ac-VHT40 MCS0	102	5510	18.00	95.88	
		110	5550	18.00		
		126	5630	18.00		
		134	5670	18.00		
		142	5710	18.00		
	802.11ac-VHT80 MCS0	106	5530	17.72	91.84	
		122	5610	17.71		
		138	5690	17.69	18.00	

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.00	97.35	
		157	5785	19.00		
		165	5825	19.00		
	802.11n-HT20 MCS0	149	5745	19.00	97.93	
		157	5785	19.00		
		165	5825	19.00		
	802.11n-HT40 MCS0	151	5755	19.00	95.85	
		159	5795	19.00		
		149	5745	19.00		
	802.11ac-VHT20 MCS0	157	5785	19.00	97.15	
		165	5825	19.00		
		151	5755	19.00		
	802.11ac-VHT40 MCS0	159	5795	19.00	95.88	
		155	5775	18.38		
	802.11ac-VHT80 MCS0	155	5775	18.38	91.84	

2.4GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.71	21.00	100.00
		6	2437	20.44	21.00	
		11	2462	20.72	21.00	
	802.11g 6Mbps	1	2412	18.50	97.58	
		2	2417	21.00		
		6	2437	23.00		
		10	2457	21.00		
		11	2462	17.50		
		1	2412	18.50		
	802.11n-HT20 MCS0	2	2417	21.00	98.19	
		6	2437	23.00		
		10	2457	21.00		
		11	2462	17.50		
	802.11n-HT40 MCS0	3	2422	18.50	93.91	
		6	2437	18.50		
		9	2452	16.00		

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	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 MCS0	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 MCS0	38	5190	16.56	17.00	95.85
		46	5230	20.98	21.50	
	802.11ac-VHT20 MCS0	36	5180	19.61	20.50	97.15
		40	5200	19.76	20.50	
		44	5220	20.11	20.50	
		48	5240	19.96	20.50	
	802.11ac-VHT40 MCS0	38	5190	16.51	17.00	95.88
		46	5230	20.85	21.50	
	802.11ac-VHT80 MCS0	42	5210	15.26	16.00	91.84

5GHz WLAN	Ant 3+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.00	97.35	
		56	5280	20.00		
		60	5300	20.00		
		64	5320	20.00		
	802.11n-HT20 MCS0	52	5260	20.50	97.93	
		56	5280	20.50		
		60	5300	20.50		
		64	5320	20.50		
	802.11n-HT40 MCS0	54	5270	19.91	21.00	95.85
		62	5310	17.91	18.50	
	802.11ac-VHT20 MCS0	52	5260	20.50	97.15	
		56	5280	20.50		
		60	5300	20.50		
		64	5320	20.50		
	802.11ac-VHT40 MCS0	54	5270	21.00	95.88	
		62	5310	18.50		
	802.11ac-VHT80 MCS0	58	5290	18.50	91.84	

5GHz WLAN	Ant 3+4					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	19.50	97.35
		116	5580		19.50	
		124	5620		19.50	
		132	5660		19.50	
		140	5700		19.50	
		144	5720		19.50	
	802.11n-VHT20 MCS0	100	5500		19.50	97.93
		116	5580		19.50	
		124	5620		19.50	
		132	5660		19.50	
		140	5700		19.50	
		144	5720		19.50	
	802.11n-VHT40 MCS0	102	5510		19.50	95.85
		110	5550		19.50	
		126	5630		19.50	
		134	5670		19.50	
		142	5710		19.50	
		100	5500		19.50	
	802.11ac-VHT20 MCS0	116	5580		19.50	97.15
		124	5620		19.50	
		132	5660		19.50	
		140	5700		19.50	
		144	5720		19.50	
		102	5510		19.50	
802.11ac-VHT40 MCS0	110	5550	19.50	95.88		
	126	5630	19.50			
	134	5670	19.50			
	142	5710	19.50			
	106	5530	18.77		91.84	
	122	5610	18.72			
138	5690	18.75				

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	