



DSI 2&4&6								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.91	32.04	32.05	33.50	22.91	23.04	23.05	24.50
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 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.46	29.47	29.19	30.50	20.46	20.47	20.19	21.50
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	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1357	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.8		1712.4	1722.6	1722.6		826.4	836.4	846.8	
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	23.05	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	21.68	21.62	21.60	22.50	21.50	21.23	21.46	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	TX Channel	CDMA BC0			Tune-up Limit (dBm)
		1013	384	777	
	Frequency (MHz)	824.7	836.52	848.31	
	RC1 S055	23.75	23.92	23.93	25.00
	RC3 S055	23.73	23.98	23.90	25.00
	RC3 S032 (F+SCH)	23.72	23.94	23.92	25.00
	RC3 S032 (SCH)	23.71	23.95	23.92	25.00
	RETAP 153.6Mbps	23.77	23.95	23.94	25.00
	RETAP 409.6Mbps	23.74	23.94	23.91	25.00



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							Tune-up limit (dBm)	MPR (dB)				
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						
20	QPSK	50	0	22.08	21.82	21.88	23	1				
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	21.72	22	2				
20	16QAM	1	0	22.36	22.10	22.09						
20	16QAM	1	49	22.22	22.01	22.06						
20	16QAM	1	99	22.04	21.93	22.03	21	3				
20	16QAM	50	0	21.11	20.83	20.78						
20	16QAM	50	24	21.09	20.83	20.86						
20	16QAM	50	50	20.96	20.79	20.85	22	2				
20	16QAM	100	0	21.06	20.79	20.79						
20	64QAM	1	0	21.27	20.93	20.97						
20	64QAM	1	49	21.05	20.83	20.93	20	2				
20	64QAM	1	99	20.86	20.79	20.90						
20	64QAM	50	0	19.23	18.78	18.81						
20	64QAM	50	24	20.10	19.85	19.89	21	3				
20	64QAM	50	50	19.88	19.81	19.90						
20	64QAM	100	0	20.08	19.85	19.81						
Channel							Tune-up limit (dBm)	MPR (dB)				
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						
15	QPSK	36	0	22.04	21.72	21.78	23	1				
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	22	2				
15	16QAM	1	0	20.83	20.98	20.91						
15	16QAM	1	37	22.19	21.97	21.94						
15	16QAM	1	74	22.01	21.91	22.01	21	3				
15	16QAM	36	0	21.10	20.81	20.73						
15	16QAM	36	20	21.08	20.76	20.80						
15	16QAM	36	39	20.95	20.76	20.79	20	2				
15	16QAM	75	0	20.98	20.74	20.76						
15	64QAM	1	0	21.24	20.90	20.87						
15	64QAM	1	37	21.09	20.80	20.87	21	3				
15	64QAM	1	74	20.87	20.73	20.82						
15	64QAM	36	0	20.10	19.82	19.77						
15	64QAM	36	20	20.08	19.83	19.81	20	2				
15	64QAM	36	39	19.89	19.76	19.84						
15	64QAM	75	0	20.06	19.75	19.71						
Channel							Tune-up limit (dBm)	MPR (dB)				
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						
10	QPSK	25	0	22.05	21.79	21.81	23	1				
10	QPSK	25	12	22.02	21.71	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	22	2				
10	16QAM	25	0	21.09	20.81	20.73						
10	16QAM	25	12	21.06	20.78	20.79						
10	16QAM	25	25	20.96	20.72	20.85	21	3				
10	16QAM	50	0	21.01	20.70	20.76						
10	64QAM	1	0	21.21	20.87	20.85						
10	64QAM	1	25	21.03	20.74	20.85	20	2				
10	64QAM	1	49	20.78	20.78	20.80						
10	64QAM	25	0	20.04	19.75	19.78						
10	64QAM	25	12	20.08	19.76	19.80	19	3				
10	64QAM	25	25	19.94	19.71	19.84						
10	64QAM	50	0	19.99	19.75	19.71						
Channel							Tune-up limit (dBm)	MPR (dB)				
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	22.53	22.54						
5	QPSK	12	0	22.01	21.80	21.84	23	1				
5	QPSK	12	7	22.01	21.76	21.82						
5	QPSK	12	13	21.90	21.70	21.79						
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	21.96	22	2				
5	16QAM	12	0	21.05	20.75	20.78						
5	16QAM	12	7	21.02	20.83	20.86						
5	16QAM	12	13	20.92	20.75	20.75	21	3				
5	16QAM	25	0	21.23	20.86	20.92						
5	64QAM	1	12	21.06	20.81	20.83						
5	64QAM	1	24	20.86	20.70	20.80	20	2				
5	64QAM	12	0	20.09	19.77	19.74						
5	64QAM	12	7	20.00	19.81	19.81						
5	64QAM	12	13	19.89	19.72	19.89	19	3				
5	64QAM	25	0	20.00	19.85	19.81						
5	64QAM	25	0	20.00	19.85	19.81						
Channel							Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
3	QPSK	1	0	22.94	22.70	22.73	24	0				
3	QPSK	1	7	22.77	22.61	22.59						
3	QPSK	1	14	22.63	22.57	22.62						
3	QPSK	8	0	22.08	21.74	21.85	23	1				
3	QPSK	8	4	22.04	21.77	21.83						
3	QPSK	8	7	21.86	21.74	21.78						
3	QPSK	15	0	22.05	21.80	21.66	23	1				
3	16QAM	1	0	22.28	22.06	22.01						
3	16QAM	1	8	22.21	21.98	21.92						
3	16QAM	1	14	21.95	21.84	22.00	22	2				
3	16QAM	8	0	21.10	20.82	20.78						
3	16QAM	8	4	21.08	20.74	20.84						
3	16QAM	8	7	20.90	20.73	20.85	22	2				
3	16QAM	15	0	21.03	20.72	20.70						
3	64QAM	1	0	21.22	20.91	20.92						
3	64QAM	1	8	21.04	20.74	20.83	21	3				
3	64QAM	1	14	20.84	20.70	20.86						
3	64QAM	8	0	20.07	19.77	19.79						
3	64QAM	8	4	20.06	19.82	19.79	20	2				
3	64QAM	8	7	19.88	19.76	19.80						
3	64QAM	15	0	20.04	19.84	19.80						
Channel							Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
1.4	QPSK	1	0	23.00	22.84	22.78	24	0				
1.4	QPSK	1	3	22.82	22.54	22.68						
1.4	QPSK	1	5	22.63	22.55	22.55						
1.4	QPSK	3	0	22.79	22.60	22.66	23	1				
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	22.30	22.03	22.08						
1.4	16QAM	1	3	22.15	21.94	22.01						
1.4	16QAM	1	5	22.09	21.82	21.96	23	1				
1.4	16QAM	3	0	22.01	21.82	21.72						
1.4	16QAM	3	1	22.00	21.77	21.82						
1.4	16QAM	3	3	21.95	21.75	21.83	22	2				
1.4	16QAM	6	0	21.41	21.15	21.14						
1.4	64QAM	1	0	21.18	20.87	20.91						
1.4	64QAM	1	3	21.00	20.75	20.84	22	2				
1.4	64QAM	1	5	20.87	20.70	20.85						
1.4	64QAM	3	0	21.06	20.82	20.72						
1.4	64QAM	3	1	21.02	20.79	20.83	21	3				
1.4	64QAM	3	3	20.92	20.73	20.83						
1.4	64QAM	6	0	20.99	20.24	20.17						

Band 2_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							Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
20	QPSK	1	0	20.94	20.61	20.67	22	0				
20	QPSK	1	49	20.81	20.51	20.57						
20	QPSK	1	99	20.73	20.50	20.59						
20	QPSK	50	0	19.94	19.71	19.65	21	1				
20	QPSK	50	24	19								



Band 4_Ant1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 2000	Power Middle Ch. / Freq. 2075	Power High Ch. / Freq. 2150	Tune-up limit (dBm)	MPR (dB)		
Channel										
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	21	1		
20	QPSK	50	24	19.97	19.88	19.82				
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	20.20	20.20	21	1		
20	16QAM	1	49	20.10	20.07	20.01				
20	16QAM	1	99	20.04	19.95	19.87				
20	16QAM	50	0	19.98	19.99	19.93	20	2		
20	16QAM	50	24	19.90	19.90	19.82				
20	16QAM	50	50	19.81	19.86	19.80				
20	16QAM	100	0	19.85	19.89	19.81				
20	64QAM	1	0	19.12	19.10	19.10	20	2		
20	64QAM	1	49	18.90	18.95	18.89				
20	64QAM	1	99	18.91	18.86	18.84				
20	64QAM	50	0	18.93	18.93	18.84	19	3		
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				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.86	20.82	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	19.96	19.96	19.81	21	1		
15	QPSK	36	20	19.96	19.86	19.75				
15	QPSK	36	39	19.93	19.85	19.78				
15	QPSK	75	0	19.98	19.87	19.74	21	1		
15	16QAM	1	0	20.18	20.19	20.25				
15	16QAM	1	37	20.00	20.02	19.95	20	2		
15	16QAM	1	74	19.96	19.95	19.77				
15	16QAM	36	0	18.93	18.97	18.87	19	3		
15	16QAM	36	20	18.98	18.81	18.82				
15	16QAM	36	39	18.88	18.83	18.77				
15	16QAM	75	0	18.94	18.87	18.75	20	2		
15	64QAM	1	0	19.02	19.02	19.06				
15	64QAM	1	37	19.07	18.91	18.89	20	2		
15	64QAM	1	74	18.90	18.81	18.76				
15	64QAM	36	0	17.97	17.98	17.84	19	3		
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				
Channel										
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	21	1		
10	QPSK	25	12	19.98	19.81	19.80				
10	QPSK	25	25	19.91	19.78	19.71				
10	QPSK	50	0	19.87	19.83	19.77	21	1		
10	16QAM	1	0	20.13	20.27	20.18				
10	16QAM	1	25	20.09	20.04	19.96	20	2		
10	16QAM	1	49	20.02	19.88	19.79				
10	16QAM	25	0	18.89	18.91	18.87	20	2		
10	16QAM	25	12	18.99	18.90	18.72				
10	16QAM	25	25	18.81	18.82	18.80				
10	16QAM	50	0	18.91	18.84	18.73	20	2		
10	64QAM	1	0	19.05	19.10	19.03				
10	64QAM	1	25	18.85	18.93	18.79	19	3		
10	64QAM	1	49	18.88	18.79	18.76				
10	64QAM	25	0	17.96	17.98	17.92				
10	64QAM	25	12	18.00	17.91	17.76	21	3		
10	64QAM	25	25	17.87	17.86	17.83				
10	64QAM	50	0	17.93	17.85	17.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.88	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	19.91	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	21	1		
5	16QAM	1	0	20.17	20.27	20.21				
5	16QAM	1	12	20.05	20.02	20.01	20	2		
5	16QAM	1	24	20.04	19.87	19.82				
5	16QAM	12	0	18.91	18.92	18.83	20	2		
5	16QAM	12	7	18.98	18.89	18.80				
5	16QAM	12	13	18.99	18.92	18.87				
5	16QAM	25	0	18.92	18.82	18.79	20	2		
5	64QAM	1	0	19.08	19.02	19.08				
5	64QAM	1	12	18.87	18.94	18.89	19	3		
5	64QAM	1	24	18.84	18.80	18.82				
5	64QAM	12	0	17.98	18.00	17.85				
5	64QAM	12	7	18.03	17.94	17.84	21	3		
5	64QAM	12	13	17.90	17.80	17.84				
5	64QAM	25	0	18.01	17.85	17.79				
Channel										
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	21	1		
3	QPSK	8	4	19.93	19.82	19.72				
3	QPSK	8	7	19.90	19.83	19.70				
3	QPSK	15	0	19.93	19.88	19.79	21	1		
3	16QAM	1	0	20.13	20.26	20.20				
3	16QAM	1	8	20.01	19.99	19.94	20	2		
3	16QAM	1	14	19.95	19.91	19.62				
3	16QAM	8	0	18.98	18.99	18.82	19	3		
3	16QAM	8	4	18.96	18.82	18.80				
3	16QAM	8	7	18.88	18.77	18.77				
3	16QAM	15	0	18.90	18.86	18.77	20	2		
3	64QAM	1	0	19.12	19.02	19.05				
3	64QAM	1	8	18.87	18.87	18.83	20	2		
3	64QAM	1	14	18.90	18.84	18.84				
3	64QAM	8	0	17.92	18.01	17.89	19	3		
3	64QAM	8	4	18.02	17.85	17.80				
3	64QAM	8	7	17.88	17.79	17.75				
3	64QAM	15	0	18.01	17.84	17.76				
Channel										
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	20.92	20.88	20.89	21	1		
1.4	QPSK	3	1	20.61	20.66	20.64				
1.4	QPSK	3	3	20.66	20.62	20.56				
1.4	QPSK	6	0	19.87	19.85	19.78	21	1		
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	20	2		
1.4	16QAM	3	3	19.96	19.87	19.78				
1.4	16QAM	6	0	18.89	18.82	18.80	20	2		
1.4	64QAM	1	0	19.09	19.07	19.01				
1.4	64QAM	1	3	18.89	18.85	18.80	20	2		
1.4	64QAM	1	5	18.82	18.85	18.80				
1.4	64QAM	3	0	18.94	18.94	18.89				
1.4	64QAM	3	1	18.90	18.83	18.82	19	3		
1.4	64QAM	3	3	18.82	18.82	18.75				
1.4	64QAM	6	0	17.94	17.84	17.82				

Band 5_Ant1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 2000	Power Middle Ch. / Freq. 2055	Power High Ch. / Freq. 2110	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.63	22.64	22.63	24	0		
10	QPSK	1	25	22.54	22.64	22.59				
10	QPSK	1	49	22.61	22.60	22.61				
10	QPSK	25	0	21.76	21.83	21.82	23	1		
10	QPSK	25	12	21.75	21.76	21.75				
10	QPSK	25	25	21.70	21.79	21.77				
10	QPSK	50	0	21.75	21.78	21.75	23	1		
10	16QAM	1	0	21.98	22.01	22.02				
10	16QAM	1	25	21.97	22.05					



Band 7_Ant1 DSI 284									
BW (MHz)	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)				2010	2035	2060			
20	QPSK	1	0	22.86	23.22	23.03			
20	QPSK	1	49	22.84	23.20	23.01	24	0	
20	QPSK	1	99	22.80	23.10	22.98			
20	QPSK	50	0	22.05	22.28	22.19			
20	QPSK	50	24	22.01	22.27	22.16			
20	QPSK	50	50	21.95	22.20	22.12	23	1	
20	QPSK	100	0	21.98	22.25	22.18			
20	16QAM	1	0	22.11	22.39	22.38			
20	16QAM	1	49	22.18	22.52	22.42	23	1	
20	16QAM	1	99	22.32	22.55	22.36			
20	16QAM	50	0	20.87	21.20	21.17			
20	16QAM	50	24	21.03	21.28	21.19			
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			
20	64QAM	1	49	21.08	21.40	21.24	22	2	
20	64QAM	1	99	21.26	21.35	20.93			
20	64QAM	50	0	19.91	20.24	20.18			
20	64QAM	50	24	20.05	20.29	20.24			
20	64QAM	50	50	20.06	20.32	20.13	21	3	
20	64QAM	100	0	20.01	20.27	20.20			
Channel									
Frequency (MHz)				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
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			
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	21.98	22.20	22.38			
15	QPSK	75	0	21.90	22.20	22.16			
15	16QAM	1	0	22.08	22.32	22.33			
15	16QAM	1	37	22.18	22.49	22.33	23	1	
15	16QAM	1	74	22.31	22.48	22.34			
15	16QAM	36	0	20.87	21.13	21.10			
15	16QAM	36	20	20.97	21.24	21.19	22	2	
15	16QAM	36	39	21.04	21.18	21.02			
15	16QAM	75	0	20.91	21.13	21.08			
15	64QAM	1	0	20.95	21.08	21.27	22	2	
15	64QAM	1	37	21.02	21.30	21.18			
15	64QAM	1	74	21.18	21.29	20.90			
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			
Channel									
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
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			
10	QPSK	25	0	22.02	22.19	22.16	23	1	
10	QPSK	25	12	21.98	22.22	22.07			
10	QPSK	25	25	21.90	22.15	22.06			
10	QPSK	50	0	21.93	22.22	22.17			
10	16QAM	1	0	22.01	22.37	22.35			
10	16QAM	1	25	22.16	22.50	22.38	23	1	
10	16QAM	1	49	22.25	22.48	22.33			
10	16QAM	25	0	20.77	21.14	21.12			
10	16QAM	25	12	20.98	21.21	21.11	22	2	
10	16QAM	25	25	21.00	21.27	21.07			
10	16QAM	50	0	20.99	21.13	21.12			
10	64QAM	1	0	20.89	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			
10	64QAM	25	0	19.88	20.15	20.10			
10	64QAM	25	12	20.00	20.21	20.20			
10	64QAM	25	25	19.97	20.24	20.13	21	3	
10	64QAM	50	0	19.94	20.19	20.17			
Channel									
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.86	23.20	23.03	24	0	
5	QPSK	1	12	22.83	23.10	22.96			
5	QPSK	12	0	21.98	22.22	22.07	23	1	
5	QPSK	12	13	21.98	22.27	22.15			
5	QPSK	12	13	21.95	22.10	22.11	23	1	
5	QPSK	25	0	21.95	22.19	22.11			
5	16QAM	1	0	22.01	22.39	22.28			
5	16QAM	1	12	22.10	22.45	22.38	23	1	
5	16QAM	1	24	22.31	22.51	22.36			
5	16QAM	12	0	20.86	21.14	21.11			
5	16QAM	12	7	21.02	21.20	21.09	22	2	
5	16QAM	12	13	20.98	21.23	21.09			
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	20.87			
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			

Band 7_Ant2 DSI 28486									
BW (MHz)	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)				2010	2117	2094			
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			
20	QPSK	50	24	20.02	20.20	20.07	21	1	
20	QPSK	50	50	20.04	20.12	19.98			
20	QPSK	100	0	20.05	20.11	20.06			
20	16QAM	1	0	20.09	20.31	20.23			
20	16QAM	1	49	20.24	20.51	20.24	21	1	
20	16QAM	1	99	20.36	20.46	20.29			
20	16QAM	50	0	18.88	19.16	19.05			
20	16QAM	50	24	19.03	19.22	19.08	20	2	
20	16QAM	50	50	19.04	19.23	19.02			
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	19.96			
20	64QAM	50	0	17.91	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									
Frequency (MHz)				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
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			
15	QPSK	36	20	19.96	20.13	20.00	21	1	
15	QPSK	36	39	20.00	20.11	19.80			
15	QPSK	75	0	20.03	20.01	20.06			
15	16QAM	1	0	20.00	20.31	20.13			
15	16QAM	1	37	20.18	20.47	20.18	21	1	
15	16QAM	1	74	20.31	20.39	20.23			
15	16QAM	36	0	18.79	19.12	18.99			
15	16QAM	36	20	18.96	19.17	19.05	20	2	
15	16QAM	36	39	19.01	19.21	18.93			
15	16QAM	75	0	18.99	19.12	18.95			
15	64QAM	1	0	18.85	19.18	19.13	20	2	
15	64QAM	1	37	18.97	19.32	19.12			
15	64QAM	1	74	19.21	19.36	18.99			
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									
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.98	21.10	20.94	22	0	
10	QPSK	1	25	20.79	21.13	20.84			



Band 12_Ant2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
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	22	1		
10	QPSK	25	12	21.09	21.08	21.04				
10	QPSK	25	25	21.01	21.02	21.03				
10	QPSK	50	0	21.10	21.13	21.07	22	1		
10	16QAM	1	0	21.18	21.16	21.28				
10	16QAM	1	25	21.23	21.29	21.29				
10	16QAM	1	49	21.34	21.34	21.34	21	2		
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	21	2		
10	64QAM	1	49	20.29	20.25	20.18				
10	64QAM	25	0	19.05	19.10	19.10				
10	64QAM	25	12	19.13	19.15	19.14	20	3		
10	64QAM	25	25	19.09	19.17	19.14				
10	64QAM	50	0	19.13	19.12	19.10				
Channel										
Frequency (MHz)										
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	22	1		
5	QPSK	12	7	21.05	20.98	20.97				
5	QPSK	12	13	20.92	20.98	21.03				
5	16QAM	1	0	21.09	21.05	21.04	22	1		
5	16QAM	1	0	21.16	21.14	21.04				
5	16QAM	1	12	21.18	21.20	21.28				
5	16QAM	1	24	21.29	21.27	21.34	21	2		
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	20.13	20.17	20.23	21	2		
5	64QAM	1	24	20.19	20.19	20.12				
5	64QAM	12	0	19.01	19.02	19.00				
5	64QAM	12	7	19.09	19.05	19.11	20	3		
5	64QAM	12	13	19.09	19.17	19.07				
5	64QAM	25	0	19.13	19.03	19.00				
Channel										
Frequency (MHz)										
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	22	1		
3	QPSK	8	4	21.03	21.03	20.99				
3	QPSK	8	7	21.00	21.01	20.98				
3	QPSK	15	0	21.06	21.09	21.03	22	1		
3	16QAM	1	0	21.08	21.12	21.19				
3	16QAM	1	8	21.20	21.25	21.26				
3	16QAM	1	14	21.28	21.31	21.25	21	2		
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	15	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	21	2		
3	64QAM	1	14	20.29	20.25	20.16				
3	64QAM	8	0	19.01	19.04	19.04				
3	64QAM	8	4	19.03	19.05	19.11	20	3		
3	64QAM	8	7	18.99	19.13	19.06				
3	64QAM	15	0	19.10	19.10	19.01				
Channel										
Frequency (MHz)										
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	21.88	21.98	21.85				
1.4	QPSK	3	0	21.05	21.15	21.05	22	1		
1.4	QPSK	3	1	21.01	21.01	21.02				
1.4	QPSK	3	3	20.98	20.94	20.96				
1.4	QPSK	6	0	21.04	21.04	21.06	22	1		
1.4	16QAM	1	0	21.17	21.06	21.23				
1.4	16QAM	1	3	21.22	21.23	21.19				
1.4	16QAM	1	5	21.27	21.31	21.29	22	1		
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	20.06	19.98				
1.4	64QAM	1	0	19.90	20.04	20.10				
1.4	64QAM	1	3	20.20	20.24	20.23	21	2		
1.4	64QAM	1	5	20.24	20.21	20.16				
1.4	64QAM	3	0	18.97	19.04	19.03				
1.4	64QAM	3	1	19.06	19.05	19.08	20	3		
1.4	64QAM	3	3	19.02	19.16	19.08				
1.4	64QAM	6	0	19.03	19.07	19.05				

Band 13_Ant1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.43			24	0		
10	QPSK	1	25	22.32						
10	QPSK	1	49	22.27						
10	QPSK	25	0	21.52			23	1		
10	QPSK	25	12	21.48						
10	QPSK	25	25	21.48						
10	QPSK	50	0	21.52			23	1		
10	16QAM	1	0	21.82						
10	16QAM	1	25	21.76						
10	16QAM	1	49	21.68			22	2		
10	16QAM	25	0	20.52						
10	16QAM	25	12	20.49						
10	16QAM	25	25	20.51			22	2		
10	16QAM	50	0	20.46						
10	64QAM	1	0	20.70						
10	64QAM	1	25	20.65			22	2		
10	64QAM	1	49	20.61						
10	64QAM	25	0	19.53						
10	64QAM	25	12	19.50			21	3		
10	64QAM	25	25	19.53						
10	64QAM	50	0	19.56						
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.36	22.42	24	0		
5	QPSK	1	12	22.26	22.27	22.28				
5	QPSK	1	24	22.27	22.27	22.22				
5	QPSK	12	0	21.51	21.48	21.47	23	1		
5	QPSK	12	7	21.43	21.42	21.42				
5	QPSK	12	13	21.48	21.48	21.48				
5	QPSK	25	0	21.52	21.43	21.52	23	1		
5	16QAM	1	0	21.78	21.77	21.90				
5	16QAM	1	12	21.72	21.71	21.68				
5	16QAM	1	24	21.67	21.64	21.60	22	2		
5	16QAM	12	0	20.42	20.50	20.52				
5	16QAM	12	7	20.41	20.42	20.45				
5	16QAM	12	13	20.47	20.48	20.48	22	2		
5	16QAM	25	0	20.40	20.42	20.37				
5	64QAM	1	0	20.64	20.66	20.69				
5	64QAM	1	12	20.55	20.64	20.56	22	2		
5	64QAM	1	24	20.51	20.55	20.55				
5	64QAM	12	0	19.51	19.51	19.48				
5	64QAM	12	7	19.50	19.49	19.44	21	3		
5	64QAM	12	13	19.49	19.47	19.45				
5	64QAM	25	0	19.56	19.51	19.47				

Band 13_Ant2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.66			23	0		
10	QPSK	1	25	21.59						
10	QPSK	1	49	21.49						
10	QPSK	25	0	20.84			22	1		
10	QPSK	25	12	20.76						
10	QPSK	25	25	20.76						
10	QPSK	50	0	20.74			22	1		
10	16QAM	1	0	21.07						
10	16QAM	1	25	20.97						
10	16QAM	1	49	20.95						



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	23760	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	21.86	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	21.94	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	20.69	20.67	20.69	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	19.68	19.78				

Band 17_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				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	21.28	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	23805	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	20.80				
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	21	2		
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 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				811.5	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	21.83	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	21.62	21.65	21.63				
15	64QAM	36	20	19.70	19.72	19.75	21	3		
15	64QAM	36	39	19.79	19.80	19.78				
15	64QAM	75	0	19.71	19.72	19.72				
Channel				26740	26885	26990	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	21.63	21.65				
10	QPSK	50	0	21.62	21.65	21.63	23	1		
10	16QAM	1	0	21.89	21.84	21.92				
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	20.78	20.68				
10	64QAM	25	0	19.70	19.71	19.68				
10	64QAM	25	12	19.61	19.72	19.75	21	3		
10	64QAM	25	25	19.77						



Band 26_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				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
15	QPSK	1	0	21.70	21.71	21.98	23	0	
15	QPSK	1	37	21.59	21.70	21.75			
15	QPSK	1	74	21.62	21.62	21.66			
15	QPSK	36	0	20.78	20.82	20.86			
15	QPSK	36	20	20.74	20.76	20.83			
15	QPSK	36	39	20.75	20.78	20.86	22	1	
15	QPSK	75	0	20.71	20.73	20.85			
15	16QAM	1	0	21.08	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			
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			
15	64QAM	1	37	19.82	19.92	19.97			
15	64QAM	1	74	19.92	20.02	20.85	21	2	
15	64QAM	36	0	18.82	18.81	18.83			
15	64QAM	36	20	18.86	18.89	18.90			
15	64QAM	36	39	18.89	18.84	18.96	20	3	
15	64QAM	75	0	18.84	18.83	18.92			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
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			
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	20.69	20.78	20.79			
10	QPSK	60	0	20.63	20.66	20.79			
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			
10	16QAM	25	12	19.76	19.74	19.73	21	2	
10	16QAM	25	25	19.77	19.82	19.82			
10	16QAM	60	0	19.78	19.83	19.87			
10	64QAM	1	0	19.85	19.74	19.89			
10	64QAM	1	25	19.74	19.81	19.86	21	2	
10	64QAM	1	49	19.92	19.95	19.92			
10	64QAM	25	0	18.82	18.74	18.83			
10	64QAM	25	12	18.76	18.82	18.85	20	3	
10	64QAM	25	25	18.86	18.84	18.90			
10	64QAM	60	0	18.76	18.77	18.92			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
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			
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	20.68	20.72	20.80			
5	QPSK	25	0	20.62	20.63	20.81			
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			
5	16QAM	12	7	19.75	19.80	19.83	21	2	
5	16QAM	12	13	19.84	19.80	19.86			
5	16QAM	25	0	19.78	19.73	19.78			
5	64QAM	1	0	19.77	19.72	19.87			
5	64QAM	1	12	19.77	19.80	19.89	21	2	
5	64QAM	1	24	19.92	19.93	19.75			
5	64QAM	12	0	18.80	18.73	18.84			
5	64QAM	12	7	18.76	18.83	18.87	20	3	
5	64QAM	12	13	18.87	18.90	18.96			
5	64QAM	25	0	18.79	18.79	18.91			
Channel				26705	26865	27025			
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	21.62	21.67	21.68	23	0	
3	QPSK	1	8	21.55	21.65	21.69			
3	QPSK	1	16	21.61	21.53	21.64			
3	QPSK	8	0	20.74	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			
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	20.96	20.96	20.93			
3	16QAM	8	0	19.74	19.75	19.82			
3	16QAM	8	4	19.71	19.72	19.73	21	2	
3	16QAM	8	7	19.77	19.83	19.82			
3	16QAM	15	0	19.79	19.83	19.83			
3	64QAM	1	0	19.83	19.79	19.89			
3	64QAM	1	8	19.72	19.84	19.92	21	2	
3	64QAM	1	14	19.87	19.96	19.75			
3	64QAM	8	0	18.78	18.74	18.84			
3	64QAM	8	4	18.78	18.86	18.83	20	3	
3	64QAM	8	7	18.83	18.90	18.93			
3	64QAM	15	0	18.80	18.73	18.90			
Channel				26997	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
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	6	21.52	21.60	21.65			
1.4	QPSK	3	0	21.61	21.69	21.75			
1.4	QPSK	3	1	21.58	21.66	21.65			
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			
1.4	16QAM	1	5	20.94	20.95	20.94	22	1	
1.4	16QAM	3	0	21.04	20.95	21.02			
1.4	16QAM	3	1	20.97	20.95	21.03			
1.4	16QAM	3	3	20.91	20.92	20.97			
1.4	16QAM	6	0	19.74	19.83	19.80	21	2	
1.4	64QAM	1	0	19.83	19.75	19.94			
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			
1.4	64QAM	3	3	19.85	19.78	19.85			
1.4	64QAM	6	0	18.82	18.83	18.88	20	3	

Band 66_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				13072	13022	13072			
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	22.67	22.54			
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			
20	16QAM	1	0	22.23	22.19	22.15			
20	16QAM	1	49	22.19	22.05	22.05	23	1	
20	16QAM	1	99	22.09	21.98	22.02			
20	16QAM	50	0	20.93	20.88	20.86			
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			
20	64QAM	1	49	21.02	21.00	20.99			
20	64QAM	1	99	20.97	20.88	20.89	22	2	
20	64QAM	50	0	19.98	19.92	19.98			
20	64QAM	50	24	20.00	19.87	19.84			
20	64QAM	50	50	19.96	19.88	19.82	21	3	
20	64QAM	100	0	20.01	19.83	19.81			



Band 66_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										
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				
20	QPSK	50	0	20.06	20.01	19.81	21	1		
20	QPSK	50	24	19.99	19.85	19.72				
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	20.00	20.00				
20	16QAM	1	99	20.06	19.96	19.85	20	2		
20	16QAM	50	0	18.95	18.90	18.82				
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	18.88	18.82	18.75				
20	64QAM	1	0	19.13	19.07	19.04				
20	64QAM	1	49	19.07	18.95	18.85	20	2		
20	64QAM	1	99	18.94	18.91	18.77				
20	64QAM	50	0	17.98	17.98	17.84				
20	64QAM	50	24	18.03	17.88	17.82	19	3		
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				
15	QPSK	36	0	20.01	19.95	19.75	21	1		
15	QPSK	36	20	19.95	19.78	19.64				
15	QPSK	36	39	19.94	19.77	19.70				
15	QPSK	75	0	19.90	19.73	19.69	21	1		
15	16QAM	1	0	20.20	20.25	20.07				
15	16QAM	1	37	20.14	20.05	19.96				
15	16QAM	1	74	20.06	19.94	19.79	20	2		
15	16QAM	36	0	18.90	18.81	18.75				
15	16QAM	36	20	19.01	18.81	18.78				
15	16QAM	36	39	18.89	18.76	18.68	20	2		
15	16QAM	75	0	18.92	18.80	18.71				
15	64QAM	1	0	19.03	18.00	18.95				
15	64QAM	1	37	19.01	18.90	18.79	20	2		
15	64QAM	1	74	18.86	18.85	18.67				
15	64QAM	36	0	17.96	17.86	17.80				
15	64QAM	36	20	17.99	17.88	17.80	19	3		
15	64QAM	36	39	17.87	17.85	17.87				
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				
10	QPSK	25	0	19.99	19.96	19.77	21	1		
10	QPSK	25	10	19.95	19.87	19.79				
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				
10	16QAM	1	49	20.04	19.95	19.75	20	2		
10	16QAM	25	0	18.88	18.86	18.81				
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	18.78	18.74				
10	16QAM	1	0	19.09	18.97	18.91				
10	64QAM	1	25	18.97	18.91	18.79	20	2		
10	64QAM	1	49	18.89	18.83	18.68				
10	64QAM	25	0	17.98	17.91	17.77				
10	64QAM	25	12	18.01	17.86	17.81	19	3		
10	64QAM	25	25	17.86	17.83	17.74				
10	64QAM	50	0	17.93	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	20.69	20.60	20.42				
5	QPSK	12	0	20.01	19.97	19.78	21	1		
5	QPSK	12	7	19.90	19.84	19.68				
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				
5	16QAM	1	24	19.97	19.89	19.79	20	2		
5	16QAM	12	0	18.90	18.80	18.80				
5	16QAM	12	7	19.01	18.86	18.77				
5	16QAM	12	13	18.99	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				
5	64QAM	1	12	19.00	18.91	18.78	20	2		
5	64QAM	1	24	18.88	18.89	18.71				
5	64QAM	12	0	17.96	17.91	17.78				
5	64QAM	12	7	17.98	17.82	17.81	19	3		
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				
3	QPSK	8	0	19.96	19.94	19.76	21	1		
3	QPSK	8	4	19.99	19.84	19.68				
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				
3	16QAM	1	14	20.05	19.96	19.78	20	2		
3	16QAM	8	0	18.93	18.83	18.77				
3	16QAM	8	4	18.97	18.84	18.78				
3	16QAM	8	7	18.89	18.78	18.72	20	2		
3	16QAM	15	0	18.89	18.82	18.66				
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				
3	64QAM	8	4	18.03	17.87	17.76	19	3		
3	64QAM	8	7	17.96	17.80	17.67				
3	64QAM	15	0	18.00	17.77	17.69				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.88	20.79	20.74	22	0		
1.4	QPSK	1	3	20.77	20.63	20.61				
1.4	QPSK	1	5	20.68	20.55	20.48				
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				
1.4	16QAM	1	0	19.92	19.77	19.68	21	1		
1.4	16QAM	1	0	20.29	20.23	20.13				
1.4	16QAM	1	3	20.14	20.00	19.94				
1.4	16QAM	1	5	19.98	19.90	19.81	21	1		
1.4	16QAM	3	0	20.21	20.24	20.10				
1.4	16QAM	3	1	20.09	20.00	19.91				
1.4	16QAM	3	3	20.00	19.92	19.76	20	2		
1.4	16QAM	6	0	18.96	18.81	18.75				
1.4	64QAM	1	0	19.09	19.05	18.97				
1.4	64QAM	1	3	19.00	18.85	18.80	20	2		
1.4	64QAM	1	5	18.85	18.90	18.69				
1.4	64QAM	3	0	18.92	18.76	18.66				
1.4	64QAM	3	1	18.88	18.76	18.66	19	3		
1.4	64QAM	3	3	19.09	19.00	18.96				
1.4	64QAM	6	0	18.00	17.80	17.77				

Band 71_Ant1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.76	22.85	22.73	24	0		
20	QPSK	1	49	22.62	22.68	22.71				
20	QPSK	1	99	22.64	22.72	22.66				
20	QPSK	50	0	22.38	22.42	22.26	23	1		
20	QPSK	50	24	22.36	22.22	22.31				
20	QPSK	50	50	22.35	22.37	22.37				
20	QPSK	100	0	22.08	22.15	22.09	23	1		
20	16QAM	1	0	21.94	22.03	2				



DSI 3

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.19	32.28	32.37	33.50	23.19	23.28	23.37	24.50
GPRS 1 Tx slots	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	23.38	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 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	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	25.90	25.42	26.00	16.67	16.90	16.42	17.00
EDGE 2 Tx slots	24.50	24.48	24.32	24.50	16.50	16.48	16.32	16.50
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 TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
	9662	9800	9938		1537	1638	1738		4357	4407	4458		
	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	HSDPA 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	HSDPA 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	HSDPA 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	HSDPA 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	20.18	20.23	20.17	20.70	20.69	20.83	20.82	21.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.52	19.46	19.52	20.10	20.21	20.21	20.16	20.70	20.87	20.90	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 TX Channel Frequency (MHz)	CDMA BCD			Tune-up Limit (dBm)
	1013	384	777	
	824.7	836.52	848.31	
RS1 5055	23.20	23.47	23.41	24.60
RC3 5055	23.19	23.46	23.39	24.60
RC3 5032 (F+SCH)	23.23	23.50	23.45	24.60
RC3 5032 (+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

DSI 5

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

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	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 TX Channel Frequency (MHz)	CDMA BCD			Tune-up Limit (dBm)
	1013	384	777	
	824.7	836.52	848.31	
RC1 5055	22.14	22.36	22.35	23.40
RC3 5055	22.11	22.33	22.34	23.40
RC3 5032 (F+SCH)	22.17	22.39	22.36	23.40
RC3 5032 (+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 TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
	9662	9800	9938		1537	1638	1738		4357	4407	4458		
	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	22.28	22.03	22.90
3GPP Rel 6	HSDPA 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	HSDPA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98	20.60	21.26	21.26	21.02	21.90
3GPP Rel 6	HSDPA 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	HSDPA 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	18.51	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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.56	20.35	20.28					
20	QPSK	1	49	20.28	20.10	20.15	21.3	0			
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	20.50	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	21.3	0			
20	16QAM	50	50	20.37	20.28	20.36					
20	16QAM	100	0	20.48	20.28	20.27					
20	16QAM	1	0	20.64	20.46	20.41					
20	64QAM	1	49	20.67	20.46	20.51	21.3	0			
20	64QAM	1	99	20.32	20.32	20.36					
20	64QAM	50	0	20.14	19.91	19.90					
20	64QAM	50	24	20.10	19.92	19.98	21	0.3			
20	64QAM	50	50	19.98	19.89	19.96					
20	64QAM	100	0	20.09	19.89	19.90					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.44	20.20	20.23					
15	QPSK	1	37	20.34	20.14	20.22	21.3	0			
15	QPSK	1	74	20.29	20.16	20.21					
15	QPSK	36	0	20.42	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	20.25					
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	21.3	0			
15	16QAM	36	39	20.40	20.31	20.37					
15	16QAM	75	0	20.52	20.30	20.28					
15	64QAM	1	0	20.50	20.43	20.35					
15	64QAM	1	37	20.55	20.38	20.40	21.3	0			
15	64QAM	1	74	20.42	20.29	20.36					
15	64QAM	36	0	20.14	19.90	19.91					
15	64QAM	36	20	20.09	19.90	19.93	21	0.3			
15	64QAM	36	39	20.05	19.94	20.02					
15	64QAM	75	0	20.02	19.90	19.89					
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.36	20.08	20.20					
10	QPSK	1	25	20.33	20.09	20.20	21.3	0			
10	QPSK	1	49	20.32	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	20.45	20.25	20.28	21.3	0			
10	16QAM	25	12	20.42	20.27	20.34					
10	16QAM	50	0	20.40	20.23	20.24					
10	64QAM	1	0	20.60	20.39	20.45					
10	64QAM	1	25	20.65	20.39	20.52	21.3	0			
10	64QAM	1	49	20.51	20.34	20.46					
10	64QAM	25	0	20.11	19.84	19.84					
10	64QAM	25	12	20.04	19.89	19.90	21	0.3			
10	64QAM	25	25	20.01	19.87	19.97					
10	64QAM	50	0	20.03	19.88	19.97					
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.35	20.11	20.17					
5	QPSK	1	12	20.37	20.13	20.23	21.3	0			
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	20.27	20.27					
5	16QAM	12	7	20.52	20.28	20.32	21.3	0			
5	16QAM	12	13	20.47	20.28	20.32					
5	16QAM	25	0	20.44	20.24	20.35					
5	64QAM	1	0	20.59	20.37	20.45					
5	64QAM	1	12	20.52	20.32	20.40	21.3	0			
5	64QAM	1	24	20.58	20.36	20.46					
5	64QAM	12	0	20.13	19.89	19.95					
5	64QAM	12	7	20.15	19.92	19.99	21	0.3			
5	64QAM	12	13	20.11	19.86	19.96					
5	64QAM	25	0	20.08	19.83	19.88					
Channel											
Frequency (MHz)											
3	QPSK	1	0	20.32	20.10	20.19					
3	QPSK	1	8	20.42	20.18	20.28	21.3	0			
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	20.59	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	21.3	0			
3	16QAM	8	7	20.48	20.25	20.35					
3	16QAM	15	0	20.48	20.25	20.30					
3	64QAM	1	0	20.63	20.30	20.44					
3	64QAM	1	8	20.68	20.40	20.51	21.3	0			
3	64QAM	1	14	20.64	20.34	20.43					
3	64QAM	8	0	20.10	19.85	19.94					
3	64QAM	8	4	20.17	19.80	19.98	21	0.3			
3	64QAM	8	7	20.13	19.88	19.98					
3	64QAM	15	0	20.08	19.83	19.90					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	20.32	20.10	20.19					
1.4	QPSK	1	3	20.42	20.18	20.26	21.3	0			
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	3	20.42	20.19	20.27					
1.4	QPSK	6	0	20.41	20.18	20.21					
1.4	16QAM	1	0	20.63	20.40	20.51					
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	21.3	0			
1.4	16QAM	3	3	20.48	20.25	20.35					
1.4	16QAM	6	0	20.47	20.22	20.33	21.3	0			
1.4	64QAM	1	0	20.63	20.30	20.44					
1.4	64QAM	1	3	20.68	20.40	20.51	21.3	0			
1.4	64QAM	1	5	20.64	20.34	20.43					
1.4	64QAM	3	0	20.10	19.85	19.94					
1.4	64QAM	3	1	20.17	19.80	19.98	21				



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														
Frequency (MHz)														
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	20.6	0						
20	QPSK	50	24	19.46	19.38	19.31								
20	QPSK	50	49	19.39	19.34	19.29								
20	QPSK	100	0	19.42	19.41	19.28	20.6	0						
20	16QAM	1	0	19.79	19.78	19.71								
20	16QAM	1	49	19.60	19.58	19.51								
20	16QAM	1	99	19.58	19.53	19.42	20.6	0						
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	16QAM	1	0	19.62	19.68	19.22								
20	64QAM	1	0	19.44	19.43	19.40	20.6	0						
20	64QAM	1	49	19.44	19.43	19.40								
20	64QAM	1	99	19.45	19.42	19.35								
20	64QAM	50	0	19.48	19.50	19.45	20.6	0						
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	20.6	0						
Channel														
Frequency (MHz)														
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	19.44	19.34	20.6	0						
15	QPSK	36	20	19.43	19.30	19.21								
15	QPSK	36	39	19.26	19.28	19.25								
15	QPSK	75	0	19.40	19.38	19.18	20.6	0						
15	16QAM	1	0	19.77	19.75	19.63								
15	16QAM	1	37	19.52	19.52	19.47								
15	16QAM	1	74	19.50	19.50	19.40	20.6	0						
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	19.38	19.22	20.6	0						
15	16QAM	75	0	19.48	19.48	19.25								
15	16QAM	1	0	19.52	19.60	19.61								
15	64QAM	1	0	19.47	19.39	19.35	20.6	0						
15	64QAM	1	37	19.47	19.39	19.35								
15	64QAM	1	74	19.37	19.41	19.29								
15	64QAM	36	0	19.47	19.48	19.45	20.6	0						
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	20.6	0						
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.31	19.39	19.30	20.6	0						
10	QPSK	1	25	19.17	19.14	19.12								
10	QPSK	1	49	19.49	19.14	19.07								
10	QPSK	25	0	19.46	19.44	19.33	20.6	0						
10	QPSK	25	12	19.45	19.30	19.27								
10	QPSK	25	25	19.31	19.32	19.21								
10	QPSK	50	0	19.39	19.34	19.24	20.6	0						
10	16QAM	1	0	19.69	19.72	19.64								
10	16QAM	1	25	19.51	19.57	19.43								
10	16QAM	1	49	19.49	19.46	19.38	20.6	0						
10	16QAM	25	0	19.38	19.41	19.38								
10	16QAM	25	12	19.42	19.41	19.38								
10	16QAM	25	25	19.38	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	20.6	0						
10	64QAM	1	49	19.45	19.33	19.34								
10	64QAM	1	25	19.42	19.41	19.38								
10	64QAM	25	12	19.43	19.40	19.32	20.6	0						
10	64QAM	25	25	19.42	19.40	19.28								
10	64QAM	50	0	19.40	19.39	19.29								
Channel														
Frequency (MHz)														
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	20.6	0						
5	QPSK	12	7	19.39	19.29	19.30								
5	QPSK	12	13	19.29	19.28	19.20								
5	QPSK	25	0	19.35	19.33	19.23	20.6	0						
5	16QAM	1	0	19.69	19.75	19.68								
5	16QAM	1	12	19.51	19.54	19.44								
5	16QAM	1	24	19.52	19.45	19.39	20.6	0						
5	16QAM	12	0	19.42	19.43	19.28								
5	16QAM	12	7	19.43	19.37	19.28								
5	16QAM	12	13	19.38	19.34	19.28	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	20.6	0						
5	64QAM	1	24	19.36	19.36	19.33								
5	64QAM	12	0	19.44	19.43	19.43								
5	64QAM	12	7	19.48	19.43	19.33	20.6	0						
5	64QAM	12	13	19.37	19.34	19.28								
5	64QAM	25	0	19.46	19.34	19.24								
Channel														
Frequency (MHz)														
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	20.6	0						
3	QPSK	8	4	19.38	19.29	19.27								
3	QPSK	8	7	19.36	19.34	19.25								
3	QPSK	15	0	19.38	19.32	19.21	20.6	0						
3	16QAM	1	0	19.72	19.68	19.64								
3	16QAM	1	0	19.62	19.63	19.68								
3	16QAM	1	14	19.55	19.43	19.33	20.6	0						
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	20.6	0						
3	64QAM	1	14	19.43	19.41	19.30								
3	64QAM	8	0	19.39	19.50	19.35								
3	64QAM	8	4	19.47	19.38	19.34	20.6	0						
3	64QAM	8	7	19.36	19.36	19.32								
3	64QAM	15	0	19.44	19.33	19.24								
Channel														
Frequency (MHz)														
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	0	19.36	19.40	19.40	20.6	0						
1.4	QPSK	3	1	19.39	19.33	19.31								
1.4	QPSK	3	3	19.33	19.30	19.23								
1.4	QPSK	6	0	19.35	19.39	19.17	20.6	0						
1.4	16QAM	1	0	19.77	19.77	19.62								
1.4	16QAM	1	3	19.53	19.52	19.44								
1.4	16QAM	1	5	19.48	19.50	19.32	20.6	0						
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	20.6	0						
1.4	64QAM	1	8	19.38	19.33	19.27								
1.4	64QAM	3	0	19.44	19.44	19.45								
1.4	64QAM	3	0	19.50	19.42	19.29	20.6	0						
1.4	64QAM	3	3	19.39	19.35	19.27								
1.4	64QAM	6	0	19.39	19.43	19.30								

Band 7_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										
Frequency (MHz)										
20	QPSK	1	0	17.96	17.96	17.78	19.5	0		
20	QPSK	1	49	17.67	17.80	17.80				
20	QPSK	1	99	17.80	17.96	17.82				
20	QPSK	50	0	17.67	18.09	17.97	19.5	0		
20	QPSK	50	24	17.80	18.07	17.99				
20	QPSK	50	50	17.91	17.99	17.93				
20	QPSK	100	0	17.80	18.02	17.96	19.5	0		
20	16QAM	1	0	17.92	18.15	18.11				
20	16QAM	1	49	17.98	18					



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				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.78	22.02	22.01			
20	QPSK	1	49	21.88	22.19	22.04	23	0	
20	QPSK	1	99	22.03	22.25	22.08			
20	QPSK	50	0	21.92	22.21	22.18			
20	QPSK	50	24	22.07	22.27	22.20	23	0	
20	QPSK	50	50	22.10	22.28	22.14			
20	QPSK	100	0	22.02	22.26	22.21			
20	16QAM	1	0	22.18	22.38	22.36			
20	16QAM	1	49	22.23	22.57	22.41	23	0	
20	16QAM	1	99	22.40	22.56	22.42			
20	16QAM	50	0	21.04	21.22	21.19			
20	16QAM	50	24	21.05	21.29	21.20	23	0	
20	16QAM	50	50	21.12	21.32	21.15			
20	16QAM	100	0	21.03	21.28	21.19			
20	64QAM	1	0	22.03	21.21	21.27			
20	64QAM	1	49	22.09	21.42	21.26	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			
20	64QAM	50	50	21.08	20.33	20.17	22	1	
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			
15	QPSK	1	37	21.84	22.12	21.96	23	0	
15	QPSK	1	74	21.95	22.24	22.07			
15	QPSK	36	0	21.88	22.21	22.06			
15	QPSK	36	20	21.99	22.26	22.15	23	0	
15	QPSK	36	39	22.10	22.23	22.09			
15	QPSK	75	0	21.84	22.26	22.21			
15	16QAM	1	0	22.09	22.31	22.27			
15	16QAM	1	37	22.15	22.54	22.35	23	0	
15	16QAM	1	74	22.38	22.48	22.41			
15	16QAM	36	0	21.03	21.13	21.15			
15	16QAM	36	20	21.05	21.20	21.18	23	0	
15	16QAM	36	39	21.08	21.26	21.15			
15	16QAM	75	0	21.05	21.20	21.10			
15	64QAM	1	0	21.95	21.17	21.10			
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			
15	64QAM	36	39	21.08	20.25	20.10	22	1	
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			
10	QPSK	1	25	21.81	22.09	22.02	23	0	
10	QPSK	1	49	21.86	22.16	22.02			
10	QPSK	25	0	21.91	22.19	22.17			
10	QPSK	25	12	22.02	22.18	22.19	23	0	
10	QPSK	25	25	22.02	22.23	22.10			
10	QPSK	50	0	21.97	22.18	22.17			
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.54	22.34	23	0	
10	16QAM	1	49	22.38	22.56	22.37			
10	16QAM	25	0	21.03	21.20	21.09			
10	16QAM	25	12	21.06	21.27	21.12	23	0	
10	16QAM	25	25	21.07	21.29	21.08			
10	16QAM	50	0	21.03	21.20	21.13			
10	64QAM	1	0	21.85	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			
10	64QAM	25	25	21.06	20.26	20.16	22	1	
10	64QAM	50	0	20.97	20.19	20.13			
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			
5	QPSK	1	12	21.83	22.11	21.94	23	0	
5	QPSK	1	24	21.94	22.15	22.04			
5	QPSK	12	0	21.82	22.13	22.10			
5	QPSK	12	7	22.07	22.23	22.14	23	0	
5	QPSK	12	13	22.10	22.21	22.13			
5	QPSK	25	0	22.01	22.26	22.18			
5	16QAM	1	0	22.17	22.32	22.34			
5	16QAM	1	12	22.20	22.49	22.41	23	0	
5	16QAM	1	24	22.38	22.53	22.36			
5	16QAM	12	0	21.02	21.12	21.10			
5	16QAM	12	7	21.08	21.19	21.20	23	0	
5	16QAM	12	13	21.09	21.25	21.14			
5	16QAM	25	0	21.06	21.24	21.18			
5	64QAM	1	0	22.01	21.17	21.22			
5	64QAM	1	12	21.99	21.35	21.20	23	0	
5	64QAM	1	24	22.19	21.34	21.06			
5	64QAM	12	0	20.91	20.28	20.17			
5	64QAM	12	7	20.99	20.31	20.19			
5	64QAM	12	13	20.98	20.29	20.10	22	1	
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				20950	21100	21500			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.10	19.48	19.23			
20	QPSK	1	49	19.14	19.42	19.23	21.1	0	
20	QPSK	1	99	19.32	19.29	19.23			
20	QPSK	50	0	19.20	19.54	19.38			
20	QPSK	50	24	19.35	19.23	19.40	21.1	0	
20	QPSK	50	50	19.37	19.47	19.32			
20	QPSK	100	0	19.34	19.51	19.40			
20	16QAM	1	0	19.45	19.63	19.61			
20	16QAM	1	49	19.54	19.78	19.58	21.1	0	
20	16QAM	1	99	19.72	19.83	19.60			
20	16QAM	50	0	19.12	19.30	19.20			
20	16QAM	50	24	19.15	19.36	19.21	21.1	0	
20	16QAM	50	50	19.19	19.37	19.15			
20	16QAM	100	0	19.14	19.30	19.20			
20	64QAM	1	0	19.11	19.30	19.32			
20	64QAM	1	49	19.20	19.52	19.30	21.1	0	
20	64QAM	1	99	19.39	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.12	19.28	19.23			
15	QPSK	1	37	19.11	19.40	19.21	21.1	0	
15	QPSK	1	74	19.28	19.44	19.21			
15	QPSK	36	0	19.13	19.42	19.37			
15	QPSK	36	20	19.31	19.46	19.36	21.1	0	
15	QPSK	36	39	19.35	19.47	19.24			
15	QPSK	75	0	19.34	19.51	19.38			
15	16QAM	1	0	19.38	19.57	19.59			
15	16QAM	1	37	19.52	19.69	19.49	21.1	0	
15	16QAM	1	74	19.71	19.83	19.52			
15	16QAM	36	0	19.11	19.22	19.13			
15	16QAM	36	20	19.12	19.29	19.11	21.1	0	
15	16QAM	36	39	19.16	19.29	19.14			
15	16QAM	75	0	19.10	19.22	19.14			
15	64QAM	1	0	19.16	19.27	19.27			
15	64QAM	1	37	19.15	19.42	19.30	21.1	0	
15	64QAM	1	74	19.31	19.41	19.19			
15	64QAM	36	0	18.16	18.24	18.17			
15	64QAM	36	20	18.15	18.39	18.18	20.1	1	
15	64QAM	36	39	18.17	18.31	18.12			



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											
Frequency (MHz)							132072	132322	132572		
20	QPSK	1	0	21.14	21.12	21.05					
20	QPSK	1	49	21.05	20.98	20.90	22	0			
20	QPSK	1	99	20.96	20.91	20.78					
20	QPSK	50	0	21.15	21.11	21.04					
20	QPSK	50	24	21.13	21.06	20.99	22	0			
20	QPSK	50	50	21.14	21.09	21.02					
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	22	0			
20	16QAM	50	50	20.97	20.92	20.81					
20	16QAM	100	0	20.99	20.85	20.83					
20	64QAM	1	0	21.14	21.11	21.02					
20	64QAM	1	49	21.04	20.97	20.93	22	0			
20	64QAM	1	99	21.04	20.98	20.82					
20	64QAM	50	0	19.98	19.96	19.88					
20	64QAM	50	24	20.04	19.91	19.84	21	1			
20	64QAM	50	50	19.98	19.92	19.84					
20	64QAM	100	0	20.04	19.90	19.81					
Channel							132047	132322	132597		
Frequency (MHz)							1717.5	1745	1772.5		
15	QPSK	1	0	21.07	21.08	21.02					
15	QPSK	1	37	21.05	20.93	20.81	22	0			
15	QPSK	1	74	20.91	20.88	20.78					
15	QPSK	36	0	21.05	21.02	20.96					
15	QPSK	36	20	21.08	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	22	0			
15	16QAM	36	39	20.91	20.88	20.78					
15	16QAM	75	0	20.93	20.91	20.75					
15	64QAM	1	0	21.09	21.10	21.01					
15	64QAM	1	37	20.97	20.88	20.85	22	0			
15	64QAM	1	74	20.94	20.96	20.73					
15	64QAM	36	0	19.88	19.89	19.81					
15	64QAM	36	20	19.94	19.88	19.83	21	1			
15	64QAM	36	39	19.90	19.84	19.74					
15	64QAM	75	0	19.94	19.90	19.71					
Channel							132022	132322	132622		
Frequency (MHz)							1715	1745	1775		
10	QPSK	1	0	21.09	21.02	20.95					
10	QPSK	1	25	21.02	20.91	20.86	22	0			
10	QPSK	1	49	20.86	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	22	0			
10	16QAM	25	25	20.94	20.88	20.72					
10	16QAM	50	0	20.99	20.78	20.75					
10	64QAM	1	0	21.08	21.10	20.95					
10	64QAM	1	25	20.98	20.94	20.83	22	0			
10	64QAM	1	49	21.04	20.88	20.81					
10	64QAM	25	0	19.98	19.94	19.80					
10	64QAM	25	12	20.02	19.83	19.79	21	1			
10	64QAM	25	25	19.90	19.87	19.74					
10	64QAM	50	0	20.00	19.85	19.72					
Channel							131997	132222	132647		
Frequency (MHz)							1712.5	1745	1777.5		
5	QPSK	1	0	21.08	21.02	21.04					
5	QPSK	1	12	21.04	20.97	20.84	22	0			
5	QPSK	1	24	20.89	20.86	20.76					
5	QPSK	12	0	21.12	21.03	20.97					
5	QPSK	12	7	21.07	20.98	20.91	22	0			
5	QPSK	12	13	21.08	21.06	20.96					
5	QPSK	25	0	21.17	20.95	20.97					
5	16QAM	1	0	21.49	21.41	21.33					
5	16QAM	1	12	21.36	21.24	21.19	22	0			
5	16QAM	1	24	21.30	21.19	21.03					
5	16QAM	12	0	20.95	20.89	20.86					
5	16QAM	12	7	21.00	20.88	20.73	22	0			
5	16QAM	12	13	20.96	20.82	20.73					
5	16QAM	25	0	20.91	20.78	20.80					
5	64QAM	1	0	21.04	21.10	20.97					
5	64QAM	1	12	20.95	20.88	20.90	22	0			
5	64QAM	1	24	21.02	20.95	20.80					
5	64QAM	12	0	19.88	19.95	19.82					
5	64QAM	12	7	20.02	19.83	19.78	21	1			
5	64QAM	12	13	19.93	19.92	19.82					
5	64QAM	25	0	19.97	19.86	19.76					
Channel							131987	132222	132657		
Frequency (MHz)							1711.5	1745	1778.5		
3	QPSK	1	0	21.05	21.09	20.97					
3	QPSK	1	8	21.03	20.89	20.87	22	0			
3	QPSK	1	14	20.96	20.81	20.69					
3	QPSK	8	0	21.14	21.08	20.95					
3	QPSK	8	4	21.12	21.07	20.94	22	0			
3	QPSK	8	7	21.08	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	21.23	21.16	21.11					
3	16QAM	8	0	20.86	20.85	20.82					
3	16QAM	8	4	21.03	20.82	20.75	22	0			
3	16QAM	8	7	20.95	20.85	20.72					
3	16QAM	15	0	20.93	20.77	20.74					
3	64QAM	1	0	21.12	21.05	21.02					
3	64QAM	1	8	20.94	20.91	20.89	22	0			
3	64QAM	1	14	20.95	20.95	20.77					
3	64QAM	8	0	19.97	19.88	19.80					
3	64QAM	8	4	20.03	19.84	19.75	21	1			
3	64QAM	8	7	19.88	19.86	19.78					
3	64QAM	15	0	19.99	19.88	19.76					
Channel							131979	132322	132665		
Frequency (MHz)							1710.7	1745	1779.3		
1.4	QPSK	1	0	21.09	21.09	20.98					
1.4	QPSK	1	3	20.98	20.88	20.86	22	0			
1.4	QPSK	1	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	20.81	20.74	22	0			
1.4	16QAM	3	3	20.95	20.86	20.76					
1.4	16QAM	6	0	20.96	20.79	20.82					
1.4	64QAM	1	0	21.06	21.07	20.97					
1.4	64QAM	1	3	21.00	20.88	20.86	22	0			
1.4	64QAM	1	5	20.98	20.97	20.74					
1.4	64QAM	3	0	21.09	21.06	20.96	22	0			
1.4	64QAM	3	1	20.99	20.79	20.80					
1.4	64QAM	3	3	20.92	20.87	20.74					
1.4	64QAM	6	0	20.00	19.82	19.79	21	1			

Band 66_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											
Frequency (MHz)							1720	1745	1770		
20	QPSK	1	0	19.43	19.38	19.32					
20	QPSK	1	49	19.29	19.25	19.17	20.6	0			
20	QPSK	1	99	19.23	19.19	19.05					
20	QPSK	50	0	19.48	19.38	19.29					
20	QPSK	50	24	19.45	19.34	19.25	20.6	0			
20	QPSK	50	50	19.41	19.36	19.26					
20	QPSK	100	0	19.45	19.29	19.25					
20	16QAM	1	0	19.78	19.77	19.68					
20	16QAM	1	49	19.67	19.63	19.58	20.6	0			
20	16QAM	1	99	19.60	19.51	19.43					
20	16QAM	50	0	19.44	19.40	19.32					
20	16QAM	50	24	19.52	19.36	19.29	20.6	0			



Band 38_Ant 1 DSI 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midst Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)			
Channel											
Frequency (MHz)				37900	38000	38100					
20	CPFSK	1	0	18.25	18.25	18.25					
20	CPFSK	1	49	18.27	18.26	18.25					
20	CPFSK	1	94	18.29	18.24	18.21					
20	CPFSK	50	24	18.24	18.25	18.25	21.1	0			
20	CPFSK	50	74	18.25	18.25	18.25					
20	CPFSK	50	124	18.25	18.25	18.25					
20	CPFSK	100	0	18.25	18.25	18.25					
20	CPFSK	100	50	18.25	18.25	18.25					
20	CPFSK	100	100	18.25	18.25	18.25					
20	16QAM	1	49	18.24	18.26	18.28	21.1	0			
20	16QAM	1	94	18.25	18.25	18.25					
20	16QAM	50	0	18.25	18.25	18.25					
20	16QAM	50	50	18.27	18.27	18.27	21.1	0			
20	16QAM	50	100	18.24	18.25	18.26					
20	64QAM	1	0	18.21	18.21	18.21					
20	64QAM	1	49	18.21	18.21	18.21	21.1	0			
20	64QAM	1	94	18.21	18.21	18.21					
20	64QAM	50	0	18.25	18.25	18.25					
20	64QAM	50	50	18.25	18.25	18.25	21.1	0			
20	64QAM	50	100	18.25	18.25	18.25					
20	64QAM	100	0	18.27	18.27	18.27					
20	64QAM	100	50	18.27	18.27	18.27	21.1	0			
20	64QAM	100	100	18.27	18.27	18.27					
Channel											
Frequency (MHz)				38275	38305	38325					
15	CPFSK	1	0	18.23	18.23	18.23					
15	CPFSK	1	37	18.27	18.28	18.28	21.1	0			
15	CPFSK	1	74	18.29	18.28	18.28					
15	CPFSK	36	0	18.24	18.21	18.20					
15	CPFSK	36	36	18.20	18.21	18.22	21.1	0			
15	CPFSK	36	72	18.21	18.21	18.21					
15	CPFSK	36	108	18.21	18.21	18.21					
15	CPFSK	72	0	18.25	18.25	18.25					
15	CPFSK	72	36	18.25	18.25	18.25	21.1	0			
15	CPFSK	72	72	18.25	18.25	18.25					
15	CPFSK	72	108	18.25	18.25	18.25					
15	16QAM	1	74	18.27	18.28	18.27					
15	16QAM	36	0	18.26	18.26	18.26					
15	16QAM	36	36	18.26	18.26	18.26	21.1	0			
15	16QAM	36	72	18.26	18.26	18.26					
15	16QAM	36	108	18.26	18.26	18.26					
15	16QAM	72	0	18.29	18.28	18.27					
15	16QAM	72	36	18.29	18.28	18.27	21.1	0			
15	16QAM	72	72	18.29	18.28	18.27					
15	16QAM	72	108	18.29	18.28	18.27					
15	64QAM	1	37	18.25	18.25	18.25					
15	64QAM	1	74	18.25	18.25	18.25	21.1	0			
15	64QAM	36	0	18.25	18.25	18.25					
15	64QAM	36	36	18.25	18.25	18.25	21.1	0			
15	64QAM	36	72	18.25	18.25	18.25					
15	64QAM	36	108	18.25	18.25	18.25					
15	64QAM	72	0	18.29	18.28	18.27					
15	64QAM	72	36	18.29	18.28	18.27	21.1	0			
15	64QAM	72	72	18.29	18.28	18.27					
15	64QAM	72	108	18.29	18.28	18.27					
Channel											
Frequency (MHz)				37975	38000	38025					
5	CPFSK	1	0	18.27	18.27	18.27					
5	CPFSK	1	12	18.27	18.27	18.27	21.1	0			
5	CPFSK	1	24	18.27	18.27	18.27					
5	CPFSK	12	0	18.29	18.21	18.25					
5	CPFSK	12	7	18.27	18.25	18.25	21.1	0			
5	CPFSK	12	13	18.25	18.25	18.25					
5	CPFSK	12	19	18.25	18.25	18.25					
5	CPFSK	24	0	18.25	18.25	18.25					
5	CPFSK	24	12	18.25	18.25	18.25	21.1	0			
5	CPFSK	24	24	18.25	18.25	18.25					
5	CPFSK	48	0	18.29	18.29	18.29					
5	CPFSK	48	24	18.29	18.29	18.29	21.1	0			
5	CPFSK	48	48	18.29	18.29	18.29					
5	CPFSK	96	0	18.25	18.25	18.25					
5	CPFSK	96	48	18.25	18.25	18.25	21.1	0			
5	CPFSK	96	96	18.25	18.25	18.25					
5	16QAM	1	12	18.25	18.25	18.25					
5	16QAM	1	24	18.25	18.25	18.25	21.1	0			
5	16QAM	12	0	18.25	18.25	18.25					
5	16QAM	12	12	18.25	18.25	18.25	21.1	0			
5	16QAM	12	24	18.25	18.25	18.25					
5	16QAM	12	36	18.25	18.25	18.25					
5	16QAM	12	48	18.25	18.25	18.25					
5	16QAM	12	60	18.25	18.25	18.25					
5	16QAM	12	72	18.25	18.25	18.25	21.1	0			
5	16QAM	12	84	18.25	18.25	18.25					
5	16QAM	12	96	18.25	18.25	18.25					
5	64QAM	1	24	18.25	18.25	18.25					
5	64QAM	1	48	18.25	18.25	18.25	21.1	0			
5	64QAM	12	0	18.27	18.27	18.27					
5	64QAM	12	12	18.27	18.27	18.27	21.1	0			
5	64QAM	12	24	18.27	18.27	18.27					
5	64QAM	12	36	18.27	18.27	18.27					
5	64QAM	12	48	18.27	18.27	18.27					
5	64QAM	12	60	18.27	18.27	18.27					
5	64QAM	12	72	18.27	18.27	18.27	21.1	0			
5	64QAM	12	84	18.27	18.27	18.27					
5	64QAM	12	96	18.27	18.27	18.27					

Band 38_Ant 1 DSI 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Midst Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)			
Channel											
Frequency (MHz)				37900	38000	38100					
20	CPFSK	1	0	18.21	18.21	18.21					
20	CPFSK	1	49	18.25	18.27	18.27					
20	CPFSK	1	94	18.29	18.29	18.29					
20	CPFSK	50	24	18.25	18.25	18.25	19.1	0			
20	CPFSK	50	74	18.25	18.25	18.25					
20	CPFSK	50	124	18.25	18.25	18.25					
20	CPFSK	100	0	18.25	18.25	18.25					
20	CPFSK	100	50	18.25	18.25	18.25					
20	CPFSK	100	100	18.25	18.25	18.25					
20	16QAM	1	49	18.21	18.26	18.24	19.1	0			
20	16QAM	1	94	18.25	18.25	18.25					
20	16QAM	50	0	18.25	18.25	18.25					
20	16QAM	50	50	18.25	18.25	18.25	19.1	0			
20	16QAM	50	100	18.24	18.24	18.24					
20	64QAM	1	0	18.20	18.24	18.28					
20	64QAM	1	49	18.20	18.24	18.28	19.1	0			
20	64QAM	1	94	18.20	18.24	18.28					
20	64QAM	50	0	18.25	18.25	18.25					
20	64QAM	50	50	18.25	18.25	18.25	19.1	0			
20	64QAM	50	100	18.24	18.24	18.24					
20	64QAM	100	0	18.27	18.27	18.27					
20	64QAM	100	50	18.27	18.27	18.27	19.1	0			
20	64QAM	100	100	18.27	18.27	18.27					
Channel											
Frequency (MHz)				38275	38305	38325					
15	CPFSK	1	0	18.19	18.19	18.19					
15	CPFSK	1	37	18.17	18.14	18.17	19.1	0			
15	CPFSK	1	74	18.16	18.16	18.16					
15	CPFSK	36	0	18.14	18.14	18.20					
15	CPFSK	36	36	18.20	18.12	18.13	19.1	0			
15	CPFSK	36	72	18.17	18.17	18.14					
15	CPFSK	36	108	18.17	18.17	18.20					
15	CPFSK	72	0								



Band 41_Ant 2 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Low Middle Ch. (Freq.)	Power High Middle Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up limit (dBm)	MPE (dB)	
Channel										
				3970	4016	4062	4108	4160		
Frequency (MHz)										
20	QPSK	1	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	1	40	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	1	80	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	QPSK	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	QPSK	100	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	100	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	1	40	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	1	80	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	50	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	100	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	100	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	1	0	18.00	18.00	17.95	17.90	18.00	19.8	0
20	16QAM	1	40	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	1	80	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	50	24	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	50	24	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	100	0	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	100	0	17.95	17.95	17.90	17.85	18.00	19.8	0
Channel										
				2523.5	2543.5	2563.5	2583.5	2623.5		
Frequency (MHz)										
15	QPSK	1	0	18.00	18.00	18.00	18.00	18.00	19.8	0
15	QPSK	1	37	17.94	18.02	17.96	17.94	18.01	19.8	0
15	QPSK	1	74	17.94	18.02	17.96	17.94	18.01	19.8	0
15	QPSK	36	0	18.02	18.02	18.00	17.96	18.00	19.8	0
15	QPSK	36	36	18.02	18.00	18.00	17.96	18.01	19.8	0
15	QPSK	36	72	17.94	17.95	17.97	17.93	18.03	19.8	0
15	QPSK	36	72	17.94	17.95	17.97	17.93	18.03	19.8	0
15	16QAM	1	0	17.96	17.94	17.93	18.00	17.94	19.8	0
15	16QAM	1	74	17.97	18.02	18.02	17.97	17.94	19.8	0
15	16QAM	36	20	17.96	18.01	18.01	18.00	17.95	19.8	0
15	16QAM	36	20	17.96	18.01	18.01	18.00	17.95	19.8	0
15	16QAM	75	0	18.03	17.97	17.97	18.00	18.03	19.8	0
15	16QAM	75	0	18.03	17.97	17.97	18.00	18.03	19.8	0
15	16QAM	1	37	17.96	18.02	18.02	18.00	17.95	19.8	0
15	16QAM	1	74	17.96	18.02	18.02	18.00	17.95	19.8	0
15	16QAM	36	0	17.93	17.93	17.98	18.01	18.00	19.8	0
15	16QAM	36	36	17.96	17.96	17.98	18.01	18.00	19.8	0
15	16QAM	36	72	17.96	17.96	17.98	18.01	18.00	19.8	0
15	16QAM	36	72	17.96	17.96	17.98	18.01	18.00	19.8	0
Channel										
				3970	4016	4062	4108	4160		
Frequency (MHz)										
10	QPSK	1	0	18.01	17.96	18.01	17.96	18.00	19.8	0
10	QPSK	1	40	17.93	18.00	17.95	17.90	18.00	19.8	0
10	QPSK	1	80	17.93	18.00	17.95	17.90	18.00	19.8	0
10	QPSK	25	12	17.96	17.97	17.98	17.96	17.99	19.8	0
10	QPSK	25	24	17.96	17.95	17.95	17.93	17.95	19.8	0
10	QPSK	50	0	17.93	18.00	18.00	17.94	18.00	19.8	0
10	16QAM	1	20	17.94	17.96	18.00	17.95	18.01	19.8	0
10	16QAM	1	40	17.94	17.96	18.00	17.95	18.01	19.8	0
10	16QAM	25	0	17.93	17.96	18.00	17.95	18.01	19.8	0
10	16QAM	25	12	17.96	17.96	17.98	17.96	17.99	19.8	0
10	16QAM	50	0	17.93	17.96	18.00	17.95	18.01	19.8	0
10	16QAM	50	0	17.93	17.96	18.00	17.95	18.01	19.8	0
10	16QAM	1	20	17.96	17.96	17.98	17.96	17.99	19.8	0
10	16QAM	1	40	17.96	17.96	17.98	17.96	17.99	19.8	0
10	16QAM	25	0	18.01	17.96	17.96	18.01	18.00	19.8	0
10	16QAM	25	12	17.96	17.96	17.98	17.96	17.99	19.8	0
10	16QAM	50	0	17.93	17.96	18.00	17.95	18.00	19.8	0
10	16QAM	50	0	17.93	17.96	18.00	17.95	18.00	19.8	0
Channel										
				3970	4016	4062	4108	4160		
Frequency (MHz)										
5	QPSK	1	0	18.00	17.95	18.00	17.95	18.00	19.8	0
5	QPSK	1	12	18.00	17.94	17.95	18.00	18.00	19.8	0
5	QPSK	12	0	17.96	18.00	17.95	18.00	17.95	19.8	0
5	QPSK	12	0	17.96	18.00	17.95	18.00	17.95	19.8	0
5	QPSK	25	12	18.01	17.97	17.97	18.00	18.00	19.8	0
5	QPSK	25	12	18.01	17.96	17.96	18.00	18.00	19.8	0
5	16QAM	1	12	17.97	18.01	18.00	18.00	17.95	19.8	0
5	16QAM	1	24	17.97	18.00	18.00	18.01	18.00	19.8	0
5	16QAM	12	0	18.02	17.92	17.98	18.03	17.97	19.8	0
5	16QAM	12	12	18.01	18.01	17.97	18.01	17.94	19.8	0
5	16QAM	25	0	17.94	18.00	18.01	17.96	18.03	19.8	0
5	16QAM	25	12	17.96	17.96	17.98	17.96	17.99	19.8	0
5	16QAM	12	7	17.99	17.93	18.03	17.96	17.95	19.8	0
5	16QAM	12	7	17.99	17.93	18.03	17.96	17.95	19.8	0
5	16QAM	25	0	17.97	17.99	17.95	18.00	17.97	19.8	0

Band 41_Ant 2 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Low Middle Ch. (Freq.)	Power High Middle Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up limit (dBm)	MPE (dB)	
Channel										
				3970	4016	4062	4108	4160		
Frequency (MHz)										
20	QPSK	1	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	1	40	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	1	80	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	QPSK	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	QPSK	100	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	QPSK	100	0	18.00	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	1	40	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	1	80	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	50	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	50	24	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	100	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	100	0	17.95	17.90	17.85	17.80	18.00	19.8	0
20	16QAM	1	0	18.00	18.00	17.95	17.90	18.00	19.8	0
20	16QAM	1	40	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	1	80	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	50	24	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	50	24	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	100	0	17.95	17.95	17.90	17.85	18.00	19.8	0
20	16QAM	100	0	17.95	17.95	17.90	17.85	18.00	19.8	0
Channel										
				2523.5	2543.5	2563.5	2583.5	2623.5		
Frequency (MHz)										
15	QPSK	1	0	18.00	18.00	18.00	18.00	18.00	19.8	0
15	QPSK	1	37	17.94	18.02	17.96	17.94	18.01	19.8	0
15	QPSK	1	74	17.94	18.02	17.96	17.94	18.01	19.8	0
15	QPSK	36	0	18.02	18.02	18.00	17.96	18.00	19.8	0
15	QPSK	36	36	18.02	18.00	18.00	17.96	18.01	19.8	0
15	QPSK	36	72	17.94	17.95	17.97	17.93	18.03	19.8	0
15	QPSK	36	72	17.94	17.95	17.97	17.93	18.03	19.8	0
15	16QAM	1	0	17.96	17.94	17.93	18.00	17.94	19.8	0
1										



n5_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	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			
20	PI/2 BPSK	1	53	23.13	23.16	23.09	24.0	0.0	
20	PI/2 BPSK	1	104	23.05	23.08	23.09			
20	PI/2 BPSK	50	0	23.01	23.09	23.01			
20	PI/2 BPSK	50	28	22.96	23.04	22.96	24.0	0.0	
20	PI/2 BPSK	50	56	22.96	23.02	22.96			
20	PI/2 BPSK	100	0	21.19	22.99	21.22	23.5	0.5	
20	QPSK	1	1	23.09	23.22	23.06			
20	QPSK	1	53	23.10	23.24	23.06	24.0	0.0	
20	QPSK	1	104	23.01	23.13	23.01			
20	QPSK	50	0	22.93	23.01	22.96			
20	QPSK	50	28	22.94	23.05	22.87	24.0	0.0	
20	QPSK	50	56	22.94	22.98	22.91			
20	QPSK	100	0	22.86	22.93	22.88	23.0	1.0	
20	16QAM	1	1	22.85	22.96	22.79			
20	16QAM	1	53	22.75	22.79	22.61	23.0	1.0	
20	16QAM	1	104	22.67	22.62	22.59			
20	16QAM	50	0	22.48	22.48	22.52			
20	16QAM	50	28	22.35	22.30	22.50	23.0	1.0	
20	16QAM	50	56	22.29	22.23	22.31			
20	16QAM	100	0	21.19	21.11	21.21	22.0	2.0	
20	64QAM	1	1	21.29	21.44	21.35			
20	64QAM	1	53	21.09	21.29	21.23	21.5	2.5	
20	64QAM	1	104	21.01	21.12	21.16			
20	64QAM	50	0	20.92	20.93	21.16			
20	64QAM	50	28	20.92	20.93	21.13	21.5	2.5	
20	64QAM	50	56	20.81	20.93	21.07			
20	64QAM	100	0	20.81	20.83	21.05	21.5	2.5	
Channel				168300	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			
15	16QAM	1	40	22.18	22.20	22.20	23.0	1.0	
15	16QAM	1	77	22.18	22.13	22.18			
15	16QAM	36	0	22.20	22.14	22.11			
15	16QAM	36	22	22.21	22.14	22.02	23.0	1.0	
15	16QAM	36	43	22.15	22.23	22.06			
15	16QAM	75	0	21.55	21.77	21.56	22.0	2.0	
15	64QAM	1	1	21.01	21.11	21.05			
15	64QAM	1	40	20.98	21.05	20.90	21.5	2.5	
15	64QAM	1	77	20.99	20.94	20.99			
15	64QAM	36	0	20.97	21.07	20.85			
15	64QAM	36	22	20.90	20.94	20.91	21.5	2.5	
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				168800	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			
10	PI/2 BPSK	1	26	23.10	22.90	22.97	24.0	0.0	
10	PI/2 BPSK	1	50	22.98	22.86	22.94			
10	PI/2 BPSK	25	0	22.97	22.93	23.10			
10	PI/2 BPSK	25	14	22.98	22.94	22.96	24.0	0.0	
10	PI/2 BPSK	25	27	22.91	22.82	22.95			
10	PI/2 BPSK	50	0	22.31	22.22	22.34	23.5	0.5	
10	QPSK	1	1	23.05	22.90	23.04			
10	QPSK	1	26	23.03	22.72	22.88	24.0	0.0	
10	QPSK	1	50	22.96	22.73	23.00			
10	QPSK	25	0	23.05	22.76	23.02			
10	QPSK	25	14	22.93	22.74	22.99	24.0	0.0	
10	QPSK	25	27	23.04	22.77	22.92			
10	QPSK	50	0	22.01	21.67	21.88	23.0	1.0	
10	16QAM	1	1	22.28	22.79	22.20			
10	16QAM	1	26	22.12	22.72	22.16	23.0	1.0	
10	16QAM	1	50	22.08	22.72	22.10			
10	16QAM	25	0	22.17	22.74	22.12			
10	16QAM	25	14	22.22	22.73	22.10	23.0	1.0	
10	16QAM	25	27	22.25	22.73	22.01			
10	16QAM	50	0	21.14	21.72	20.99	22.0	2.0	
10	64QAM	1	1	20.93	21.38	21.03			
10	64QAM	1	26	20.84	21.36	20.84	21.5	2.5	
10	64QAM	1	50	20.85	21.34	20.84			
10	64QAM	25	0	20.87	21.31	21.01			
10	64QAM	25	14	20.76	21.19	20.97	21.5	2.5	
10	64QAM	25	27	20.80	21.34	20.95			
10	64QAM	50	0	20.76	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				166900	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			
20	PI/2 BPSK	1	53	23.88	23.84	23.72	24.0	0.0	
20	PI/2 BPSK	1	104	23.88	23.75	23.68			
20	PI/2 BPSK	50	0	23.67	23.77	23.68			
20	PI/2 BPSK	50	28	23.70	23.73	23.63	24.0	0.0	
20	PI/2 BPSK	50	56	23.63	23.16	23.63			
20	PI/2 BPSK	100	0	22.02	22.04	21.98	23.5	0.5	
20	QPSK	1	1	21.91	21.79	21.75			
20	QPSK	1	53	23.15	23.27	22.92	24.0	0.0	
20	QPSK	1	104	21.45	21.35	21.36			
20	QPSK	50	0	22.61	22.66	22.77			
20	QPSK	50	28	23.61	23.80	23.84	24.0	0.0	
20	QPSK	50	56	22.82	22.65	22.71			
20	QPSK	100	0	22.64	22.70	22.75	23.0	1.0	
20	16QAM	1	1	20.82	20.68	20.92			
20	16QAM	1	53	20.73	20.62	20.83	23.0	1.0	
20	16QAM	1	104	20.73	20.61	20.81			
20	16QAM	50	0	20.77	20.49	20.92			
20	16QAM	50	28	20.77	20.55	20.72	23.0	1.0	
20	16QAM	50	56	20.82	20.52	20.83			
20	16QAM	100	0	19.88	19.61	19.84	22.0	2.0	
20	64QAM	1	1	20.75	20.65	20.80			
20	64QAM	1	53	20.55	20.64	20.63	21.5	2.5	
20	64QAM	1	104	20.58	20.62	20.75			
20	64QAM	50	0	20.74	20.61	20.68			
20	64QAM	50	28	20.66	20.65	20.73	21.5	2.5	
20	64QAM	50	56	20.72	20.52	20.76			
20	64QAM	100	0	20.68	20.56	20.66	21.5	2.5	
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI/2 BPSK	1	1	23.85	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			
15	16QAM	1	40	22.62	22.66	22.65	23.0	1.0	
15	16QAM	1	77	22.66	22.61	22.45			
15	16QAM	36	0	22.56	22.54	22.53			
15	16QAM	36	22	22.64	22.60	22.50	23.0	1.0	
15	16QAM	36	43	22.61	22.70	22.50			
15	16QAM	75	0	21.57	21.47	21.46	22.0	2.0	
15	64QAM	1	1	21.25	21.22	21.20			
15	64QAM	1	40	21.23	21.22	21.05	21.5	2.5	
15	64QAM	1	77	21.18	21.14	21.17			
15	64QAM	36	0	21.17	21.13	21.20			
15	64QAM	36	22	21.14	21.13	21.06	21.5	2.5	
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				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.75	23.62	23.70			
10	PI/2 BPSK	1	26	23.56	23.50	23.55	24.0	0.0	
10	PI/2 BPSK	1	50	23.71	23.54	23.50			
10	PI/2 BPSK	25	0	23.63	23.56	23.51			
10	PI/2 BPSK	25	14	23.61	23.62	23.50	24.0	0.0	
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			
10	QPSK	1	26	23.58	23.45	23.59	24.0	0.0	
10	QPSK	1	50	23.65	23.40	23.49			
10	QPSK	25	0	23.57	23.37	23.54			
10	QPSK	25	14	23.64	23.45	23.42	24.0	0.0	
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			
10	16QAM	1	26	22.49	22.43	22.36	23.0	1.0	
10	16QAM	1	50	22.46	22.37	22.50			
10	16QAM	25	0	22.39	22.40	22.46			
10	16QAM	25	14	22.45	22.30	22.39	23.0	1.0	
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			</



Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI/2 BPSK	1	1	23.29	23.09	23.07	24.0	0.0
5	PI/2 BPSK	1	13	23.14	22.91	22.91		
5	PI/2 BPSK	1	23	23.23	22.92	22.88		
5	PI/2 BPSK	12	0	23.21	22.90	22.90	24.0	0.0
5	PI/2 BPSK	12	7	23.16	22.90	22.98		
5	PI/2 BPSK	12	13	23.16	23.09	23.02		
5	PI/2 BPSK	25	0	22.77	22.49	22.33	23.5	0.5
5	QPSK	1	1	23.08	23.02	23.11	24.0	0.0
5	QPSK	1	13	22.98	23.02	23.01		
5	QPSK	1	23	22.96	23.00	23.09		
5	QPSK	12	0	23.05	22.96	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	PI/2 BPSK	1	1	23.79	23.78	23.65	24.0	0.0
5	PI/2 BPSK	1	13	23.78	23.61	23.50		
5	PI/2 BPSK	1	23	23.76	23.66	23.67		
5	PI/2 BPSK	12	0	23.72	23.67	23.47	24.0	0.0
5	PI/2 BPSK	12	7	23.65	23.68	23.63		
5	PI/2 BPSK	12	13	23.71	23.67	23.46		
5	PI/2 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				50920	516598	523000					
Frequency (MHz)				2546.01	2592.99	2640					
100	PI/2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0			
100	PI/2 BPSK	1	137	23.40	23.72	23.77					
100	PI/2 BPSK	1	271	23.36	23.77	23.70					
100	PI/2 BPSK	155	0	23.27	23.19	23.62	24.0	0.0			
100	PI/2 BPSK	155	69	23.21	23.73	23.52					
100	PI/2 BPSK	155	138	23.14	23.25	23.52					
100	PI/2 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	155	0	23.19	22.58	23.60					
100	QPSK	155	69	23.20	23.74	23.49					
100	QPSK	155	138	23.07	22.72	22.81	23.0	1.0			
100	QPSK	270	0	22.51	22.63	22.71					
100	16QAM	1	1	22.97	22.88	22.65					
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	155	0	22.90	22.73	22.48					
100	16QAM	155	69	22.90	22.81	22.55	23.0	1.0			
100	16QAM	155	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	155	0	21.07	21.34	21.00	21.5	2.5			
100	64QAM	155	69	21.07	21.17	20.97					
100	64QAM	155	138	20.99	21.25	21.06					
100	64QAM	270	0	20.98	21.24	20.85	21.5	2.5			
Channel				508200	516598	523996					
Frequency (MHz)				2541	2592.99	2644.98					
90	PI/2 BPSK	1	1	23.47	23.80	23.83	24.0	0.0			
90	PI/2 BPSK	1	120	23.33	23.79	23.75					
90	PI/2 BPSK	1	243	23.39	23.68	23.67					
90	PI/2 BPSK	120	0	23.47	23.79	23.81	24.0	0.0			
90	PI/2 BPSK	120	60	23.34	23.60	23.76					
90	PI/2 BPSK	120	120	23.32	23.65	23.71					
90	PI/2 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	523994					
Frequency (MHz)				2536.02	2592.99	2649.99					
80	PI/2 BPSK	1	1	23.46	23.72	23.77	24.0	0.0			
80	PI/2 BPSK	1	109	23.43	23.67	23.73					
80	PI/2 BPSK	1	215	23.31	23.54	23.69					
80	PI/2 BPSK	108	0	23.41	23.56	23.57	24.0	0.0			
80	PI/2 BPSK	108	55	23.41	23.53	23.63					
80	PI/2 BPSK	108	109	23.40	23.56	23.65					
80	PI/2 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	GPSK	1	1	23.37	23.59	23.64	24.0	0.0
60	GPSK	1	81	23.27	23.52	23.64		
60	GPSK	1	160	23.31	23.57	23.54		
60	GPSK	81	0	23.29	23.41	23.63	24.0	0.0
60	GPSK	81	42	23.18	23.47	23.60		
60	GPSK	81	81	23.19	23.55	23.60		
60	GPSK	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	GPSK	1	1	23.53	23.60	23.64	24.0	0.0
50	GPSK	1	67	23.49	23.47	23.62		
50	GPSK	1	131	23.37	23.44	23.53		
50	GPSK	64	0	23.49	23.41	23.50	24.0	0.0
50	GPSK	64	35	23.46	23.59	23.63		
50	GPSK	64	69	23.34	23.45	23.59		
50	GPSK	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	GPSK	1	1	23.82	23.99	23.95	24.0	0.0
40	GPSK	1	53	23.70	23.99	23.79		
40	GPSK	1	104	23.77	23.90	23.80		
40	GPSK	50	0	23.68	23.85	23.81	24.0	0.0
40	GPSK	50	28	23.68	23.89	23.84		
40	GPSK	50	56	23.72	23.81	23.87		
40	GPSK	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	GPSK	1	1	23.68	23.75	23.59	24.0	0.0
20	GPSK	1	26	23.68	23.72	23.47		
20	GPSK	1	49	23.64	23.61	23.59		
20	GPSK	25	0	23.69	23.56	23.45	24.0	0.0
20	GPSK	25	13	23.66	23.68	23.49		
20	GPSK	25	26	23.62	23.58	23.45		
20	GPSK	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. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505202	516598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.24	18.37	18.23	18.7	0.0	
100	PI/2 BPSK	1	137	18.16	18.24	18.01			
100	PI/2 BPSK	1	271	18.26	18.29	18.05			
100	PI/2 BPSK	155	0	18.15	18.32	18.06	18.7	0.0	
100	PI/2 BPSK	155	69	18.26	18.31	18.12			
100	PI/2 BPSK	155	138	18.26	18.30	18.10			
100	PI/2 BPSK	270	0	18.31	18.35	18.13	18.7	0.0	
100	QPSK	1	1	18.22	18.34	18.11	18.7	0.0	
100	QPSK	1	137	18.24	18.27	18.13			
100	QPSK	1	271	18.32	18.36	18.16			
100	QPSK	155	0	18.24	18.28	18.07	18.7	0.0	
100	QPSK	155	69	18.19	18.23	17.99			
100	QPSK	155	138	18.51	18.58	18.44			
100	QPSK	270	0	18.30	18.35	18.18	18.7	0.0	
100	16QAM	1	1	18.25	18.30	18.07	18.7	0.0	
100	16QAM	1	137	18.17	18.23	18.07			
100	16QAM	1	271	18.19	18.32	18.10			
100	16QAM	155	0	18.13	18.22	17.98	18.7	0.0	
100	16QAM	155	69	18.21	18.24	18.06			
100	16QAM	155	138	18.29	18.41	18.18			
100	16QAM	270	0	18.10	18.22	18.04	18.7	0.0	
100	64QAM	1	1	18.19	18.27	18.09	18.7	0.0	
100	64QAM	1	137	18.08	18.18	18.01			
100	64QAM	1	271	18.26	18.29	18.09			
100	64QAM	155	0	18.18	18.25	18.11	18.7	0.0	
100	64QAM	155	69	18.15	18.27	18.11			
100	64QAM	155	138	18.31	18.35	18.11			
100	64QAM	270	0	18.05	18.13	17.97	18.7	0.0	
Channel				508200	516598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.25	18.24	18.05	18.7	0.0	
90	PI/2 BPSK	1	120	18.20	18.20	18.00			
90	PI/2 BPSK	1	243	18.27	18.32	18.18			
90	PI/2 BPSK	120	0	18.17	18.14	17.98	18.7	0.0	
90	PI/2 BPSK	120	60	18.27	18.24	18.08			
90	PI/2 BPSK	120	120	18.19	18.29	18.06			
90	PI/2 BPSK	240	0	18.31	18.29	18.11	18.7	0.0	
90	QPSK	1	1	18.22	18.25	18.14	18.7	0.0	
90	QPSK	1	120	18.14	18.24	18.04			
90	QPSK	1	243	18.27	18.28	18.20			
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			
90	QPSK	240	0	18.25	18.28	18.12	18.7	0.0	
90	16QAM	1	1	18.26	18.29	18.06	18.7	0.0	
90	16QAM	1	120	18.17	18.20	18.09			
90	16QAM	1	243	18.28	18.29	18.13			
90	16QAM	120	0	18.12	18.21	18.06	18.7	0.0	
90	16QAM	120	60	18.12	18.23	18.03			
90	16QAM	120	120	18.34	18.39	18.19			
90	16QAM	240	0	18.11	18.21	17.98	18.7	0.0	
90	64QAM	1	1	18.24	18.25	18.07	18.7	0.0	
90	64QAM	1	120	18.15	18.15	17.96			
90	64QAM	1	243	18.17	18.27	18.13			
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			
90	64QAM	240	0	18.04	18.09	17.91	18.7	0.0	
Channel				507204	516598	529998			
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			
80	PI/2 BPSK	108	0	18.16	18.10	17.94	18.7	0.0	
80	PI/2 BPSK	108	55	18.17	18.17	18.02			
80	PI/2 BPSK	108	109	18.16	18.23	18.02			
80	PI/2 BPSK	216	0	18.28	18.28	18.10	18.7	0.0	
80	QPSK	1	1	18.18	18.21	18.10	18.7	0.0	
80	QPSK	1	109	18.06	18.18	18.01			
80	QPSK	1	215	18.21	18.22	18.11			
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			
80	QPSK	216	0	18.23	18.28	18.08	18.7	0.0	
80	16QAM	1	1	18.16	18.28	18.02	18.7	0.0	
80	16QAM	1	109	18.10	18.10	18.03			
80	16QAM	1	215	18.27	18.24	18.11			
80	16QAM	108	0	18.10	18.13	18.03	18.7	0.0	
80	16QAM	108	55	18.04	18.21	18.00			
80	16QAM	108	109	18.34	18.34	18.18			
80	16QAM	216	0	18.09	18.16	17.91	18.7	0.0	
80	64QAM	1	1	18.15	18.15	18.05	18.7	0.0	
80	64QAM	1	109	18.12	18.10	17.88			
80	64QAM	1	215	18.16	18.27	18.11			
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			
80	64QAM	216	0	17.97	18.09	17.91	18.7	0.0	



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	GPSK	1	1	17.68	17.69	17.59	18.7	0.0
20	GPSK	1	26	17.57	17.71	17.47		
20	GPSK	1	49	17.59	17.73	17.81		
20	GPSK	25	0	17.64	17.83	17.48	18.7	0.0
20	GPSK	25	13	17.63	17.79	17.41		
20	GPSK	25	26	17.63	17.70	17.51		
20	GPSK	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						Ch	SCC				Power		
Intra-Band	Non-Contiguous			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB		UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
				LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB		UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
		7A-7A	7	20	2535	21100	QPSK	1	0	M	7	20	2880	3350	23.20	23.22	
		66A-66A	66	20	1720	132072	QPSK	1	0	L	66	20	2190	67236	23.04	22.88	
		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		
Intra-Band	Non-Contiguous			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)
				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
		Non-Contiguous	41A-41A-41A	41	20	2593	40620	QPSK	1	0	M	41	20	2880	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						Ch	SCC1				SCC2				SCC3				Power		
Intra-Band	Non-Contiguous			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB		UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
				LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB		UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
		Inter-Band	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
41955	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
41955	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	20.8	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						
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		

Power Table 2

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

Power Table 6

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.30	18.00	100.00	
	6	2437	17.25	18.00		
	11	2462	17.28	18.00		
802.11g 6Mbps	1	2412		15.50	98.06	
	2	2417		18.00		
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
802.11n-HT20 MCS0	1	2412		15.50	97.92	Not Required
	2	2417		18.00		
	6	2437		20.00		
	10	2457		18.00		
802.11n-HT40 MCS0	3	2422		15.50	93.33	
	6	2437		15.50		
	9	2452		13.00		

5GHz WLAN

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	17.00	98.06	
	40	5200	16.40	17.00		
	44	5220	16.60	17.00		
	48	5240	16.20	17.00		
802.11n-HT20 MCS0	36	5180	16.90	17.50	98.19	
	40	5200	16.78	17.50		
	44	5220	17.30	17.50		
802.11n-HT40 MCS0	48	5240	16.90	17.50	95.88	
	38	5190	13.40	14.00		
802.11ac-VHT20 MCS0	46	5230	19.40	20.00	97.94	
	36	5180	16.80	17.50		
802.11ac-VHT40 MCS0	40	5200	16.62	17.50	95.88	
	44	5220	17.20	17.50		
	48	5240	16.90	17.50		
	38	5190	13.60	14.00		
802.11ac-VHT80 MCS0	46	5230	19.50	20.00	91.84	
	42	5210	12.20	13.00		

5GHz WLAN

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180		15.50	98.06	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT20 MCS0	36	5180		15.50	98.19	Not Required
	40	5200		15.50		
	44	5220		15.50		
802.11n-HT40 MCS0	48	5240		15.50	95.88	15.08
	38	5190		14.00		
802.11ac-VHT20 MCS0	46	5230		15.50	97.94	
	36	5180		15.50		
	40	5200		15.50		
	44	5220		15.50		
802.11ac-VHT40 MCS0	48	5240		15.50	95.88	Not Required
	38	5190		14.00		
802.11ac-VHT80 MCS0	46	5230		15.50	91.84	
	42	5210		13.00		

5GHz WLAN

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180		17.00	98.06	
	40	5200		17.00		
	44	5220		17.00		
	48	5240		17.00		
802.11n-HT20 MCS0	36	5180		17.50	98.19	Not Required
	40	5200		17.50		
	44	5220		17.50		
802.11n-HT40 MCS0	48	5240		17.50	95.88	15.08
	38	5190		14.00		
802.11ac-VHT20 MCS0	46	5230		17.50	97.94	
	36	5180		17.50		
	40	5200		17.50		
	44	5220		17.50		
802.11ac-VHT40 MCS0	48	5240		17.50	95.88	Not Required
	38	5190		14.00		
802.11ac-VHT80 MCS0	46	5230		18.50	91.84	
	42	5210		13.00		

5GHz WLAN

5GHz WLAN						
Ant 4						
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		
802.11n-HT40 MCS0	64	5320	16.60	17.50	95.88	
	54	5270	19.20	20.00		
802.11ac-VHT20 MCS0	62	5310	14.80	15.50	97.94	
	52	5260	16.90	17.50		
	56	5280	16.72	17.50		
	60	5300	16.90	17.50		
802.11ac-VHT40 MCS0	64	5320	16.60	17.50	95.88	
	54	5270	19.00	20.00		
802.11ac-VHT80 MCS0	62	5310	14.80	15.50	91.84	
	58	5290	14.20	15.50		

5GHz WLAN

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260		17.00	98.06	Not Required
	56	5280		17.00		
	60	5300		17.00		
	64	5320		17.00		
802.11n-HT20 MCS0	52	5260		17.50	98.19	Not Required
	56	5280		17.50		
	60	5300		17.50		
802.11n-HT40 MCS0	64	5320		17.50	95.88	17.68
	54	5270	17.68	18.50		
802.11ac-VHT20 MCS0	62	5310	14.80	15.50	97.94	Not Required
	52	5260		17.50		
	56	5280		17.50		
	60	5300		17.50		
802.11ac-VHT40 MCS0	64	5320		17.50	95.88	Not Required
	54	5270		18.50		
802.11ac-VHT80 MCS0	62	5310		15.50	91.84	
	58	5290		15.50		

5GHz WLAN

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	16.60	17.50	98.06	
	116	5580	16.30	17.50		
	124	5620	16.50	17.50		
	132	5660	16.60	17.50		
	140	5700	16.80	17.50		
802.11n-HT20 MCS0	100	5500	16.90	17.50	98.19	
	116	5580	16.30	17.50		
	124	5620	16.21	17.50		
	132	5660	16.23	17.50		
	140	5700	16.30	17.50		
802.11n-HT40 MCS0	102	5510	16.90	18.00	95.88	
	110	5550	19.50	20.00		
	126	5630	19.18	20.00		
	134	5670	19.20	20.00		
	142	5710	19.20	20.00		
802.11ac-VHT20 MCS0	100	5500	16.80	17.50	97.94	
	116	5580	16.30	17.50		
	124	5620	16.15	17.50		
	132	5660	16.18	17.50		
	140	5700	16.20	17.50		
802.11ac-VHT40 MCS0	102	5510	17.10	18.00	95.88	
	110	5550	19.10	20.00		
	126	5630	19.03	20.00		
	134	5670	19.00	20.00		
	142	5710	19.00	20.00		
802.11ac-VHT80 MCS0	106	5530	16.30	17.00	91.84	
	122	5610	16.10	19.00		
	138	5690	18.20	19.00		

5GHz WLAN

5GHz WLAN						
Ant 4						
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	100	5500		16.00	98.19	Not Required
	116	5580		16.00		
	124	5620		16.00		
	132	5660		16.00		
	140	5700		16.00		
802.11n-HT40 MCS0	102	5510		16.00	95.88	Not Required
	110	5550		16.00		
	126	5630		16.00		
	134	5670		16.00		
	142	5710		16.00		
802.11ac-VHT20 MCS0	100	5500		16.00	97.94	Not Required
	116	5580		16.00		
	124	5620		16.00		
	132	5660		16.00		
	140	5700		16.00		
802.11ac-VHT40 MCS0	102	5510		16.00	95.88	



Power Table 7

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	14.38	15.00	100.00	
	6	2437	14.37	15.00		
	11	2462	14.36	15.00		
802.11g 6Mbps	1	2412		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	Not Required	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		

Power Table 8

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.76	18.00	100.00	
	6	2437	17.67	18.00		
	11	2462	17.47	18.00		
802.11g 6Mbps	1	2412		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	Not Required	15.50	97.92	
	2	2417		18.00		
	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		

Power Table 9

2.4GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	19.71	20.00	100.00	
	6	2437	19.55	20.00		
	11	2462	19.05	20.00		
802.11g 6Mbps	1	2412		15.10	98.06	
	2	2417		17.50		
	6	2437		19.80		
	10	2457		17.70		
	11	2462		13.90		
802.11n-HT20 MCS0	1	2412	Not Required	14.90	97.92	
	2	2417		16.90		
	6	2437		19.90		
	10	2457		16.90		
802.11n-HT40 MCS0	3	2422		14.90	93.33	
	6	2437		14.20		
	9	2452		12.20		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180		15.50	98.06	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT20 MCS0	36	5180	Not Required	15.50	98.19	
	40	5200		15.50		
	44	5220		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						
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		
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)	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		
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						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260		15.50	98.06	
	56	5280		15.50		
	60	5300		15.50		
	64	5320		15.50		
802.11n-HT20 MCS0	52	5260	Not Required	15.50	98.19	
	56	5280		15.50		
	60	5300		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						
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	17.50	98.19	
	56	5280		17.50		
	60	5300		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		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)	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		
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						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500		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	Not Required	15.00	95.88	
	110	5550		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
	144	5720		15.00		
802.11ac-VHT20 MCS0	100	5500		15.00	97.94	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
	144	5720		15.00		
802.11ac-VHT40 MCS0	102	5510		15.00	95.88	
	110	5550		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
	144	5720		15.00		
802.11ac-VHT80 MCS0	106	5530	14.93	15.00	91.84	
	122	5610	14.75	15.00		
	138	5690	14.81	15.00		

5GHz WLAN						
Ant 4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500		16.50	98.06	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.60		
	140	5700		16.80		
	144	5720		16.80		
802.11n-HT20 MCS0	100	5500		16.90	98.19	
	116	5580		16.90		
	124	5620		16.90		
	132	5660		16.90		
	140	5700		16.90		
	144	5720		16.90		
802.11n-HT40 MCS0	102	5510	Not Required	16.		



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 3						
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	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	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

2.4GHz WLAN						
Ant 3						
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	14.82	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	
		1	2412		15.00	
		2	2417		15.00	
	802.11n-HT20 MCS0	3	2422		15.00	98.18
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT40 MCS0	3	2422		15.00	94.90
		6	2437		15.00	
		9	2452		13.00	

Power Table 6

2.4GHz WLAN						
Ant 3						
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		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		14.50	
	802.11n-HT40 MCS0	3	2422		15.50	94.90
		6	2437		15.50	
		9	2452		13.00	

5GHz WLAN						
Ant 3						
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	38	5190	13.40	14.00	95.85
		46	5230	19.40	20.00	
	802.11ac-VHT20 MCS0	36	5180	16.40	17.50	97.15
		40	5200	16.21	17.50	
44		5220	17.00	17.50		
802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41	
	46	5230	19.30	20.00		
	42	5210	12.30	13.00		

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		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	14.91	15.50	95.85
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		15.50	97.15
		40	5200		15.50	
		44	5220		15.50	
	802.11ac-VHT40 MCS0	38	5190		14.00	96.41
		46	5230		15.50	
		42	5210		13.00	

5GHz WLAN						
Ant 3						
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	38	5190	13.40	14.00	95.85
		46	5230	17.26	18.50	
	802.11ac-VHT20 MCS0	36	5180	16.40	17.50	97.15
		40	5200	16.21	17.50	
		44	5220	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	

5GHz WLAN						
Ant 3						
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	
	802.11ac-VHT40 MCS0	54	5270	19.70	20.00	96.41
		62	5310	14.90	15.50	
		58	5290	14.50	15.50	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		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	18.50	95.85
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS0	52	5260		17.50	97.15
		56	5280		17.50	
		60	5300		17.50	
	802.11ac-VHT40 MCS0	54	5270		17.50	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 %	
5.8GHz 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	
		100	5500	17.20	17.50	
802.11ac-VHT20 MCS0	100	5500	17.30	17.50	97.15	
	116	5580	17.15	17.50		
	124	5620	17.15	17.50		
	132	5660	17.09	17.50		
	140	5700	17.30	17.50		
	144	5720	17.30	17.50		
802.11ac-VHT40 MCS0	102	5510	17.20	18.00	96.41	
	110	5550	19.30	20.00		
	126	5630	19.23	20.00		
	134	5670	19.80	20.00		
	142	5710	19.70	20.00		
	106	5530	16.30	17.00		
802.11ac-VHT80 MCS0	122	5610	19.00	19.50	92.00	
	138	5690	19.10	19.50		

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	100	5500		16.00	97.09
		116	5580		16.00	
		124	5620		16.00	
		132	5660		16.00	
		140	5700		16.00	
		144	5720		16.00	
	802.11n-HT20 MCS0	100	5500		16.00	97.93
		116	5580		16.00	
		124	5620		16.00	
		132	5660		16.00	
		140	5700		16.00	
		144	5720		16.00	
	802.11n-HT40 MCS0	102	5510		16.00	95.85
		110	5550		16.00	
		126	5630		16.00	
		134	5670		16.00	
		142	5710		16.00	
		100	5500		16.00	
802.11ac-VHT20 MCS0	100	5500		16.00	97.15	
	116	5580		16.00		
	124	5620		16.00		
	132	5660		16.00		
	140	5700		16.00		
	144	5720		16.00		
802.11ac-VHT40 MCS0	102	5510		16.00	96.41	
	110	5550		16.00		
	126	5630		16.00		
	134	5670		16.00		
	142	5710		16.00		
	106	5530	15.56	16.00		
802.11ac-VHT80 MCS0	122	5610	15.51	16.00	92.00	
	138	5690	15.54	16.00		

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.20	21.00	97.09
		157	5785	20.30	2	



Power Table 7

2.4GHz WLAN						
Ant 3						
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	Not Required	15.00	98.18	
	2	2417		15.00		
	6	2437		15.00		
	10	2457		15.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422	Not Required	15.00	94.90	
	6	2437		15.00		
	8	2437		15.00		
	9	2452		13.00		

Power Table 8

2.4GHz WLAN						
Ant 3						
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	Not Required	15.50	98.18	
	2	2417		18.00		
	6	2437		18.00		
	10	2457		18.00		
	11	2462		14.50		
802.11n-HT40 MCS0	3	2422	Not Required	15.50	94.90	
	6	2437		15.50		
	8	2437		15.50		
	9	2452		13.00		

Power Table 9

2.4GHz WLAN						
Ant 3						
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	Not Required	15.10	98.06	
	2	2417		17.50		
	6	2437		19.90		
	10	2457		17.70		
	11	2462		14.10		
802.11n-HT20 MCS0	1	2412	Not Required	14.90	98.18	
	2	2417		17.00		
	6	2437		19.90		
	10	2457		17.00		
	11	2462		13.90		
802.11n-HT40 MCS0	3	2422	Not Required	15.20	94.90	
	6	2437		14.20		
	8	2437		14.20		
	9	2452		12.20		

5GHz WLAN						
Ant 3						
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	Not Required	15.50	97.93	
	40	5200		15.50		
	44	5220		15.50		
	48	5240		15.50		
802.11n-HT40 MCS0	38	5190	Not Required	14.00	95.85	
	46	5230		15.50		
	38	5180		15.50		
	40	5200		15.50		
802.11ac-VHT20 MCS0	44	5220	Not Required	15.50	97.15	
	48	5240		15.50		
	38	5190		14.00		
	46	5230		15.50		
802.11ac-VHT40 MCS0	38	5190	Not Required	14.00	96.41	
	46	5230		15.50		
802.11ac-VHT80 MCS0	42	5210	Not Required	13.00	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	Not Required	16.50	97.09	
	40	5200		16.40		
	44	5220		16.60		
	48	5240		16.40		
802.11n-HT20 MCS0	36	5180	Not Required	16.40	97.93	
	40	5200		16.35		
	44	5220		17.00		
	48	5240		17.10		
802.11n-HT40 MCS0	38	5190	Not Required	13.40	95.85	
	46	5230		17.56		
	38	5180		16.40		
	40	5200		16.21		
802.11ac-VHT20 MCS0	44	5220	Not Required	17.00	97.15	
	48	5240		17.00		
	38	5190		13.40		
	46	5230		17.91		
802.11ac-VHT40 MCS0	42	5210	Not Required	12.30	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	Not Required	16.50	97.09	
	40	5200		16.40		
	44	5220		16.60		
	48	5240		16.40		
802.11n-HT20 MCS0	36	5180	Not Required	16.40	97.93	
	40	5200		16.35		
	44	5220		17.00		
	48	5240		17.10		
802.11n-HT40 MCS0	38	5190	Not Required	13.40	95.85	
	46	5230		19.40		
	38	5180		16.40		
	40	5200		16.21		
802.11ac-VHT20 MCS0	44	5220	Not Required	17.00	97.15	
	48	5240		17.00		
	38	5190		13.40		
	46	5230		19.30		
802.11ac-VHT40 MCS0	42	5210	Not Required	12.30	92.00	

5GHz WLAN						
Ant 3						
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	Not Required	15.50	97.93	
	56	5280		15.50		
	60	5300		15.50		
	64	5320		15.50		
802.11n-HT40 MCS0	54	5270	Not Required	15.50	95.85	
	62	5310		15.50		
	52	5260		15.50		
	56	5280		15.50		
802.11ac-VHT20 MCS0	60	5300	Not Required	15.50	97.15	
	64	5320		15.50		
	54	5270		15.50		
	62	5310		15.50		
802.11ac-VHT40 MCS0	58	5290	Not Required	14.89	92.00	

5GHz WLAN						
Ant 3						
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	Not Required	17.50	97.93	
	56	5280		17.50		
	60	5300		17.50		
	64	5320		17.50		
802.11n-HT40 MCS0	54	5270	Not Required	17.12	95.85	
	62	5310		14.80		
	52	5260		17.50		
	56	5280		17.50		
802.11ac-VHT20 MCS0	60	5300	Not Required	17.50	97.15	
	64	5320		17.50		
	54	5270		18.00		
	62	5310		15.50		
802.11ac-VHT40 MCS0	58	5290	Not Required	15.50	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	Not Required	16.80	97.09	
	56	5280		16.70		
	60	5300		16.60		
	64	5320		16.40		
802.11n-HT20 MCS0	52	5260	Not Required	16.90	97.93	
	56	5280		19.62		
	60	5300		17.30		
	64	5320		17.00		
802.11n-HT40 MCS0	54	5270	Not Required	19.20	95.85	
	62	5310		14.80		
	52	5260		16.80		
	56	5280		16.72		
802.11ac-VHT20 MCS0	60	5300	Not Required	17.20	97.15	
	64	5320		16.90		
	54	5270		19.70		
	62	5310		14.90		
802.11ac-VHT40 MCS0	58	5290	Not Required	14.50	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	15.00	97.09	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
802.11n-HT20 MCS0	100	5500	Not Required	15.00	97.93	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
802.11n-HT40 MCS0	102	5510	Not Required	15.00	95.85	
	110	5550		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
802.11ac-VHT20 MCS0	100	5500	Not Required	15.00	97.15	
	116	5580		15.00		
	124	5620		15.00		
	132	5660		15.00		
	140	5700		15.00		
802.11ac-VHT40 MCS0	100	5500	Not Required	15.00	96.41	
	116	5580		15.00		
	126	5630		15.00		
	134	5670		15.00		
	142	5710		15.00		
802.11ac-VHT80 MCS0	106	5530	Not Required	14.20	92.00	

5GHz WLAN						
Ant 3						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	16.50	97.09	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
802.11n-HT20 MCS0	100	5500	Not Required	16.50	97.93	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
802.11n-HT40 MCS0	102	5510	Not Required	16.50	95.85	
	110	5550		16.50		
	126	5630		16.50		
	134	5670		16.50		
	142	5710		16.50		
802.11ac-VHT20 MCS0	100	5500	Not Required	16.50	97.15	
	116	5580		16.50		
	124	5620		16.50		
	132	5660		16.50		
	140	5700		16.50		
802.11ac-VHT40 MCS0	100	5500	Not Required	16.50	96.41	
	116	5580		16.50		
	126	5630		16.50		
	134	5670		16.50		
	142	5710		16.50		
802.11ac-VHT80 MCS0	106	5530	Not Required	16.27	92.00	

5GHz WLAN						
Ant 3						
Mode						



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	23.78	24.00	100.00	
	6	2437	23.98	24.00		
	11	2462	23.01	24.00		
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	16.93	17.50		
802.11n-HT40 MCS0	3	2422	18.27	18.50	93.91	
	6	2437	17.25	18.50		
	9	2452	18.23	18.00		

Power Table 2

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.04	18.00	100.00	
	6	2437	17.18	18.00		
	11	2462	17.23	18.00		
802.11g 6Mbps	1	2412	18.00	97.58		
	2	2417	18.00			
	6	2437	18.00			
	10	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	18.00			

Power Table 6

2.4GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	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	18.00			

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	19.86	20.00	97.35	
	40	5200	19.41	20.00		
	44	5220	19.61	20.00		
	48	5240	19.41	20.00		
802.11n-HT20 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 %	
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	17.92			
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 %	
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 %	
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	58	5290	17.36	18.50	91.84	

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.00	97.35		
	56	5280	20.00			
	60	5300	20.00			
	64	5320	20.00			
802.11n-HT20 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	58	5290	18.50	91.84		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	19.61	20.50	97.35	
	116	5580	19.53	20.50		
	124	5620	19.80	20.50		
	132	5660	19.84	20.50		
	140	5700	19.90	20.50		
802.11n-HT20 MCS0	100	5500	20.06	20.50	97.93	
	116	5580	19.90	20.50		
	124	5620	20.00	20.50		
	132	5660	19.84	20.50		
	140	5700	19.90	20.50		
802.11n-HT40 MCS0	102	5510	20.16	21.00	95.85	
	110	5550	22.57	23.00		
	126	5630	22.28	23.00		
	134	5670	22.57	23.00		
	142	5710	22.53	23.00		
802.11ac-VHT20 MCS0	100	5500	20.01	20.50	97.15	
	116	5580	19.84	20.50		
	124	5620	19.90	20.50		
	132	5660	19.78	20.50		
	140	5700	19.80	20.50		
802.11ac-VHT40 MCS0	102	5510	20.16	21.00	95.88	
	110	5550	22.21	23.00		
	126	5630	22.38	23.00		
	134	5670	22.43	23.00		
	142	5710	22.37	23.00		
802.11ac-VHT80 MCS0	106	5530	19.31	20.00	91.84	
	122	5610	21.88	22.90		
	138	5690	21.88	22.90		

5GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	19.00	97.35		
	116	5580	19.00			
	124	5620	19.00			
	132	5660	19.00			
	140	5700	19.00			
802.11n-HT20 MCS0	100	5500	19.00	97.93		
	116	5580	19.00			
	124	5620	19.00			
	132	5660	19.00			
	140	5700	19.00			
802.11n-HT40 MCS0	102	5510	19.00	95.85		
	110	5550	19.00			
	126	5630	19.00			
	134	5670	19.00			
	142	5710	19.00			
802.11ac-VHT20 MCS0	100	5500	19.00	97.15		
	116	5580	19.00			
	124	5620	19.00			
	132	5660	19.00			
	140	5700	19.00			
802.11ac-VHT40 MCS0	102	5510	19.00	95.88		
	110	5550	19.00			
	126	5630	19.00			
	134	5670	19.00			
	142	5710	19.00			
802.11ac-VHT80 MCS0	106	5530	18.80	91.84		
	122	5610	18.60			
	138	5690	18.67			

5.8GHz WLAN						
Ant 3+4						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	23.35	24.00	97.35	
	157	5785	23.38	24.00		
	165	5825	23.34	24.00		
802.11n-HT20 MCS0	149	5745	22.91	23.00	97.93	
	157	5785	22.88	23.00		
	165	5825	22.70	23.00		
802.11n-HT40 MCS0	151	5755	22.60	23.00		



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		
		12	2484	18.00		
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	18.00			
	12	2484	18.00			

Power Table 8						
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		
		12	2484	18.50		
	802.11n-HT20 MCS0	1	2412	21.00	98.19	
		2	2417	21.00		
		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		
		12	2484	16.00		

Power Table 9						
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	21.12	23.00	100.00
		6	2437	21.20	23.00	
		11	2462	21.25	23.00	
	802.11g 6Mbps	1	2412	18.20	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
		12	2484	17.58		18.50
	802.11n-HT20 MCS0	1	2412	20.12	98.19	
		2	2417	20.12		21.00
		6	2437	22.94		23.00
		10	2457	20.11		21.00
		11	2462	16.93		17.50
	802.11n-HT40 MCS0	3	2422	18.27	93.91	
		6	2437	17.25		18.50
		9	2452	15.23		16.00
		12	2484	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	
	802.11n-HT20 MCS0	36	5180	19.67	97.93	
		40	5200	19.92		20.50
		44	5220	20.16		20.50
		48	5240	20.01		20.50
		38	5190	16.56		17.00
		46	5230	20.98		21.50
	802.11n-HT40 MCS0	36	5180	19.61	95.85	
		40	5200	19.76		20.50
		44	5220	20.11		20.50
		48	5240	19.96		20.50
		38	5190	16.51		17.00
	802.11ac-VHT20 MCS0	46	5230	20.85	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	95.88		
	46	5230	20.85		21.50	
	40	5200	19.76		20.50	
	44	5220	20.11		20.50	
802.11ac-VHT80 MCS0	42	5210	15.26	91.84		
	42	5210	15.26		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	
	802.11n-HT20 MCS0	36	5180	19.67	97.93	
		40	5200	19.92		20.50
		44	5220	20.16		20.50
		48	5240	20.01		20.50
		38	5190	16.56		17.00
		46	5230	20.98		21.50
	802.11n-HT40 MCS0	36	5180	19.61	95.85	
		40	5200	19.76		20.50
		44	5220	20.11		20.50
		48	5240	19.96		20.50
		38	5190	16.51		17.00
	802.11ac-VHT20 MCS0	46	5230	20.85	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	95.88		
	46	5230	20.85		21.50	
	40	5200	19.76		20.50	
	44	5220	20.11		20.50	
802.11ac-VHT80 MCS0	42	5210	15.26	91.84		
	42	5210	15.26		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	
	802.11n-HT20 MCS0	36	5180	19.67	97.93	
		40	5200	19.92		20.50
		44	5220	20.16		20.50
		48	5240	20.01		20.50
		38	5190	16.56		17.00
		46	5230	22.56		23.00
	802.11n-HT40 MCS0	36	5180	19.61	95.85	
		40	5200	19.76		20.50
		44	5220	20.11		20.50
		48	5240	19.96		20.50
		38	5190	16.51		17.00
	802.11ac-VHT20 MCS0	46	5230	22.41	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	95.88		
	46	5230	22.41		23.00	
	40	5200	19.76		20.50	
	44	5220	20.11		20.50	
802.11ac-VHT80 MCS0	42	5210	15.26	91.84		
	42	5210	15.26		16.00	

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	
	802.11n-HT20 MCS0	52	5260	19.41	97.93	
		56	5280	19.71		20.50
		60	5300	20.11		20.50
		64	5320	19.81		20.50
		54	5270	22.52		23.00
		62	5310	17.91		18.50
	802.11n-HT40 MCS0	52	5260	19.71	95.85	
		56	5280	19.67		20.50
		60	5300	20.06		20.50
		64	5320	19.76		20.50
		54	5270	22.37		23.00
	802.11ac-VHT20 MCS0	62	5310	17.86	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	95.88		
	62	5310	17.86		18.50	
	56	5280	19.67		20.50	
	58	5290	17.87		18.50	

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	
	802.11n-HT20 MCS0	52	5260	19.41	97.93	
		56	5280	19.71		20.50
		60	5300	20.11		20.50
		64	5320	19.81		20.50
		54	5270	22.52		23.00
		62	5310	17.91		18.50
	802.11n-HT40 MCS0	52	5260	19.71	95.85	
		56	5280	19.67		20.50
		60	5300	20.06		20.50
		64	5320	19.76		20.50
		54	5270	22.37		23.00
	802.11ac-VHT20 MCS0	62	5310	17.86	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	95.88		
	62	5310	17.86		18.50	
	56	5280	19.67		20.50	
	58	5290	17.36		18.50	

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	
	802.11n-HT20 MCS0	52	5260	19.41	97.93	
		56	5280	19.71		20.50
		60	5300	20.11		20.50
		64	5320	19.81		20.50
		54	5270	22.52		23.00
		62	5310	17.91		18.50
	802.11n-HT40 MCS0	52	5260	19.71	95.85	
		56	5280	19.67		20.50
		60	5300	20.06		20.50
		64	5320	19.76		20.50
		54	5270	22.37		23.00
	802.11ac-VHT20 MCS0	62	5310	17.86	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	95.88		
	62	5310	17.86		18.50	
	56	5280	19.67		20.50	
	58	5290	17.36		18.50	

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	19.81	20.00	97.35
		116	5580	19.53	20.50	
		124	5620	19.60	20.50	
	802.11n-HT20 MCS0	100	5500	19.41	97.93	
		116	5580	19.90		20.50
		124	5620	20.00		20.50
		132	5660	19.84		20.50
		140	5700	19.90		20.50
		144	5720	19.84		20.50
	802.11n-HT40 MCS0	100	5500	20.01	95.85	
		116	5580	22.27		23.00
		124	5620	22.28		23.00
		134				

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