

Full Power Mode

GSM850 A+B								
Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (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	32.47	32.49	32.40	33.50	23.47	23.49	23.40	24.50
GPRS 1 Tx slot	32.38	32.41	32.35	33.50	23.38	23.41	23.35	24.50
GPRS 2 Tx slots	31.25	31.28	31.23	32.50	25.25	25.28	25.23	26.50
GPRS 3 Tx slots	29.92	29.96	29.92	31.00	25.66	25.70	25.66	26.74
GPRS 4 Tx slots	28.92	28.94	28.86	30.00	25.90	25.94	25.88	27.00
EDGE 1 Tx slot	27.21	27.22	27.35	28.50	18.71	18.22	18.35	19.50
EDGE 2 Tx slots	26.25	26.28	26.38	27.50	20.25	20.28	20.38	21.50
EDGE 3 Tx slots	24.15	24.17	24.32	25.50	19.89	19.91	20.06	21.24
EDGE 4 Tx slots	23.00	22.94	23.33	24.00	20.00	19.94	20.33	21.00

GSM1900 A+B							
Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	512	661	810		512	661	810
Frequency (MHz)	1850.2	1860	1869.8	20.50	1850.2	1860	1869.8
GSM 1 Tx slot	29.10	29.38	29.35	30.50	20.10	20.38	20.35
GPRS 1 Tx slot	28.01	28.30	28.28	30.50	20.01	20.30	20.28
GPRS 2 Tx slots	27.95	28.27	28.23	29.50	21.95	22.27	22.23
GPRS 3 Tx slots	26.47	26.61	26.79	28.00	22.21	22.55	22.53
GPRS 4 Tx slots	25.48	25.84	25.82	27.00	22.48	22.84	22.82
EDGE 1 Tx slot	25.71	25.73	25.57	27.00	16.71	16.73	16.57
EDGE 2 Tx slots	24.84	24.89	24.72	26.00	18.84	18.89	18.72
EDGE 3 Tx slots	23.10	23.21	22.96	24.50	18.84	19.95	18.70
EDGE 4 Tx slots	22.16	22.23	21.98	23.50	18.16	18.23	18.98

WCDMA II A+B				WCDMA II A+B				WCDMA II A+B				
Band	WCDMA II			WCDMA II			WCDMA II					
Tx Channel	9262	9400	9538	Time-up Limit (dBm)	1312	1413	1513	Time-up Limit (dBm)	4152	4162	4233	
Rx Channel	9602	9800	9938		1537	1635	1738		4357	4407	4458	
Frequency (MHz)	1850.4	1880	1907.6		1712.4	1732.6	1752.6		636.4	636.4	646.6	
3GPP Rel 99	AMR 12.2kbps	22.25	22.43	22.34	24.00	22.47	22.55	22.51	24.00	22.62	22.71	22.66
3GPP Rel 99	RMC 12.2kbps	22.30	22.51	22.42	24.00	22.50	22.66	22.59	24.00	22.76	22.77	22.70
3GPP Rel 6	HS-DSA Subtest-1	21.45	21.39	21.31	23.00	21.60	21.61	21.47	23.00	21.68	21.67	21.61
3GPP Rel 6	HS-DSA Subtest-2	21.46	21.51	21.38	23.00	21.70	21.71	21.54	23.00	21.78	21.84	21.71
3GPP Rel 6	HS-DSA Subtest-3	20.87	20.95	20.84	22.50	21.10	21.21	21.15	22.50	21.21	21.30	21.21
3GPP Rel 6	HS-DSA Subtest-4	20.94	21.04	20.87	22.50	21.07	21.22	21.08	22.50	21.23	21.31	21.22
3GPP Rel 6	DC-HSDPA Subtest-1	21.45	21.42	21.34	23.00	21.66	21.57	21.57	23.00	21.68	21.70	21.61
3GPP Rel 6	DC-HSDPA Subtest-2	21.41	21.40	21.45	23.00	21.58	21.67	21.64	23.00	21.71	21.76	21.70
3GPP Rel 6	DC-HSDPA Subtest-3	20.94	20.97	21.06	22.50	21.13	21.18	21.23	22.50	21.28	21.31	21.35
3GPP Rel 6	DC-HSDPA Subtest-4	20.94	20.98	21.03	22.50	21.13	21.16	21.18	22.50	21.30	21.31	21.33
3GPP Rel 6	HS-UPA Subtest-1	21.48	21.38	21.46	23.00	21.67	21.68	21.72	23.00	21.70	21.72	21.65
3GPP Rel 6	HS-UPA Subtest-2	19.46	19.40	19.56	21.00	19.61	19.57	19.68	21.00	19.74	19.73	19.91
3GPP Rel 6	HS-UPA Subtest-3	20.39	20.50	20.42	22.00	20.61	20.65	20.59	22.00	20.69	20.78	20.82
3GPP Rel 6	HS-UPA Subtest-4	19.56	19.68	19.43	21.00	19.69	19.74	19.71	21.00	19.89	19.82	19.79
3GPP Rel 6	HS-UPA Subtest-5	21.48	21.44	21.38	23.00	21.67	21.65	21.55	23.00	21.68	21.67	21.60
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	19.01	19.00	18.86	20.50	19.26	19.13	19.07	20.50	19.36	19.34	19.32

Band 2 Ant0														
BW (MHz)	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	22.22	22.34	22.24			24	0				
20	QPSK	1	49	22.17	22.20	22.16								
20	QPSK	1	99	22.13	22.21	22.08								
20	QPSK	50	0	21.23	21.30	21.21			23	1				
20	QPSK	50	24	21.21	21.26	21.19								
20	QPSK	50	50	21.15	21.25	21.19								
20	QPSK	100	0	21.21	21.24	21.11			23	1				
20	16QAM	1	0	21.26	21.36	21.28								
20	16QAM	1	49	21.31	21.38	21.30								
20	16QAM	1	99	21.20	21.32	21.22			22	2				
20	16QAM	50	0	20.17	20.24	20.10								
20	16QAM	50	24	20.16	20.30	20.21								
20	16QAM	50	50	20.10	20.23	20.10			22	2				
20	16QAM	100	0	20.16	20.27	20.19								
20	64QAM	1	0	20.16	20.25	20.20			22	2				
20	64QAM	1	49	20.21	20.31	20.16								
20	64QAM	1	99	20.30	20.34	20.25								
20	64QAM	50	0	19.18	19.25	19.13			21	3				
20	64QAM	50	24	19.24	19.32	19.26								
20	64QAM	50	50	19.33	19.37	19.24								
20	64QAM	100	0	19.12	19.27	19.20			24	0				
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.14	22.27	22.20			24	0				
15	QPSK	1	37	22.11	22.08	22.13								
15	QPSK	1	74	22.08	22.15	22.10								
15	QPSK	36	0	21.18	21.21	21.11			23	1				
15	QPSK	36	20	21.15	21.14	21.04								
15	QPSK	36	39	21.01	21.13	21.11								
15	QPSK	75	0	21.14	21.19	21.09			23	1				
15	16QAM	1	0	21.11	21.28	21.14								
15	16QAM	1	37	21.26	21.27	21.25								
15	16QAM	1	74	21.13	21.17	21.15			22	2				
15	16QAM	36	0	20.08	20.21	20.05								
15	16QAM	36	20	20.06	20.20	20.17								
15	16QAM	36	39	20.06	20.17	20.02			22	2				
15	16QAM	75	0	20.05	20.18	20.13								
15	64QAM	1	0	20.02	20.11	20.11								
15	64QAM	1	37	20.15	20.18	20.07			22	2				
15	64QAM	1	74	20.23	20.21	20.20								
15	64QAM	36	0	19.14	19.10	19.02								
15	64QAM	36	20	19.15	19.24	19.20			21	3				
15	64QAM	36	39	19.19	19.25	19.21								
15	64QAM	75	0	19.03	19.14	19.09								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.14	22.21	22.10			24	0				
10	QPSK	1	25	22.11	22.09	22.04								
10	QPSK	1	49	22.04	22.11	22.05								
10	QPSK	25	0	21.17	21.20	21.13			23	1				
10	QPSK	25	12	21.09	21.18	21.14								
10	QPSK	25	25	21.10	21.12	21.07								
10	QPSK	50	0	21.14	21.15	21.05			23	1				
10	16QAM	1	0	21.12	21.25	21.16								
10	16QAM	1	25	21.19	21.24	21.20								
10	16QAM	1	49	21.09	21.23	21.17			22	2				
10	16QAM	25	0	20.12	20.12	20.09								
10	16QAM	25	12	20.07	20.26	20.07								
10	16QAM	25	25	20.08	20.16	20.01			22	2				
10	16QAM	50	0	20.11	20.13	20.09								
10	64QAM	1	0	20.04	20.21	20.10								
10	64QAM	1	25	20.13	20.18	20.03			22	2				
10	64QAM	1	49	20.24	20.26	20.13								
10	64QAM	25	0	19.10	19.22	19.10								
10	64QAM	25	12	19.14	19.21	19.13			21	3				
10	64QAM	25	25	19.27	19.27	19.11								
10	64QAM	50	0	19.05	19.23	19.08								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.12	22.31	22.21			24	0				
5	QPSK	1	24	22.02	22.14	22.01								
5	QPSK	1	24	22.11	22.19	22.13								
5	QPSK	12	7	21.08	21.19	21.09			23	1				
5	QPSK	12	13	21.11	21.16	21.11								
5	QPSK	25	0	21.10	21.21	21.08								
5	16QAM	1	0	21.16	21.30	21.19			23	1				
5	16QAM	1	12	21.23	21.34	21.25								
5	16QAM	1	24	21.14	21.20	21.17								
5	16QAM	12	0	20.05	20.20	20.04			22	2				
5	16QAM	12	7	20.07	20.22	20.11								
5	16QAM	12	13	20.05	20.17	20.07								
5	16QAM	25	0	20.08	20.12	20.15			22	2				
5	64QAM	1	0	20.04	20.13	20.10								
5	64QAM	1	12	20.08	20.28	20.08								
5	64QAM	1	24	20.20	20.25	20.11			22	2				
5	64QAM	12	0	19.06	19.14	19.03								
5	64QAM	12	7	19.19	19.23	19.14								
5	64QAM	12	13	19.20	19.25	19.12			21	3				
5	64QAM	25	0	19.02	19.18	19.07								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.18	22.26	22.16						24	0	
3	QPSK	1	8	22.09	22.07	22.07								
3	QPSK	1	14	22.03	22.17	22.10								
3	QPSK	8	0	21.10	21.17	21.09			23	1				
3	QPSK	8	4	21.13	21.17	21.09								
3	QPSK	8	7	21.03	21.20	21.10								
3	QPSK	15	0	21.12	21.15	21.01			23	1				
3	16QAM	1	0	21.20	21.27	21.13								
3	16QAM	1	8	21.17	21.34	21.27								
3	16QAM	1	14	21.08	21.18	21.08			22	2				
3	16QAM	8	0	20.07	20.17	20.05								
3	16QAM	8	4	20.02	20.22	20.08								
3	16QAM	8	7	20.04	20.19	20.07			22	2				
3	16QAM	15	0	20.01	20.14	20.15								
3	64QAM	1	0	20.09	20.21	20.10								
3	64QAM	1	8	20.12	20.19	20.05			22	2				
3	64QAM	1	14	20.26	20.29	20.16								
3	64QAM	8	0	19.06	19.14	19.07								
3	64QAM	8	4	19.15	19.21	19.12			21	3				
3	64QAM	8	7	19.26	19.34	19.21								
3	64QAM	15	0	19.05	19.23	19.11								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.11	22.27	22.07			24	0				
1.4	QPSK	1	3	22.03	22.17	22.02								
1.4	QPSK	1	5	22.10	22.16	22.03								
1.4	QPSK	3	0	22.08	22.20	22.09			23	1				
1.4	QPSK	3	1	22.16	22.22	22.09								
1.4	QPSK	3	3	22.09	22.15	22.02								
1.4	QPSK	6	0	21.03	21.21	21.05			23	1				
1.4	16QAM	1	0	21.20	21.04	21.18								
1.4	16QAM	1	3	21.19	21.31	21.20								
1.4	16QAM	1	5	21.14	21.28	21.18			23	1				
1.4	16QAM	3	0	21.05	21.19	21.03								
1.4	16QAM	3	1	21.02	21.20	21.13								
1.4	16QAM	3	3	21.05	21.21	21.07			22	2				
1.4	16QAM	6	0	20.04	20.23	20.13								
1.4	64QAM	1	0	20.07	20.20	20.12								
1.4	64QAM	1	3	20.11	20.25	20.16			22	2				
1.4	64QAM	1	5	20.23	20.21	20.14								
1.4	64QAM	3	0	20.09	20.11	20.04								
1.4	64QAM	3	1	20.16	20.27	20.18			22	2				
1.4	64QAM	3	3	20.26	20.24	20.10								
1.4	64QAM	6	0	19.08	19.15	19.15								

Band 12 Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.56	22.60	22.52	24	0				
10	QPSK	1	25	22.42	22.49	22.39						
10	QPSK	1	49	22.42	22.47	22.41						
10	QPSK	25	0	21.36	21.45	21.35	23	1				
10	QPSK	25	12	21.32	21.42	21.38						
10	QPSK	25	25	21.29	21.39	21.28						
10	QPSK	50	0	21.34	21.43	21.32	23	1				
10	16QAM	1	0	21.51	21.62	21.56						
10	16QAM	1	25	21.56	21.48	21.59						
10	16QAM	1	49	21.57	21.58	21.58	22	2				
10	16QAM	25	0	20.35	20.45	20.37						
10	16QAM	25	12	20.35	20.37	20.38						
10	16QAM	25	25	20.39	20.34	20.40	22	2				
10	16QAM	50	0	20.37	20.41	20.33						
10	64QAM	1	0	20.45	20.58	20.54						
10	64QAM	1	25	20.53	20.53	20.45	22	2				
10	64QAM	1	49	20.55	20.51	20.43						
10	64QAM	25	0	19.34	19.41	19.32						
10	64QAM	25	12	19.35	19.33	19.30	21	3				
10	64QAM	25	25	19.30	19.31	19.31						
10	64QAM	50	0	19.34	19.39	19.32						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.41	22.55	22.42	24	0				
5	QPSK	1	12	22.32	22.37	22.24						
5	QPSK	1	24	22.27	22.34	22.28						
5	QPSK	12	0	21.26	21.35	21.25	23	1				
5	QPSK	12	7	21.26	21.34	21.25						
5	QPSK	12	13	21.17	21.33	21.22						
5	QPSK	25	0	21.23	21.35	21.21	23	1				
5	16QAM	1	0	21.40	21.49	21.48						
5	16QAM	1	12	21.53	21.43	21.49						
5	16QAM	1	24	21.44	21.55	21.54	22	2				
5	16QAM	12	0	20.32	20.38	20.31						
5	16QAM	12	7	20.24	20.29	20.28						
5	16QAM	12	13	20.35	20.20	20.30	22	2				
5	16QAM	25	0	20.25	20.28	20.23						
5	64QAM	1	0	20.38	20.49	20.47						
5	64QAM	1	12	20.40	20.45	20.40	22	2				
5	64QAM	1	24	20.41	20.40	20.31						
5	64QAM	12	0	19.28	19.33	19.19						
5	64QAM	12	7	19.21	19.20	19.18	21	3				
5	64QAM	12	13	19.15	19.16	19.15						
5	64QAM	25	0	19.23	19.33	19.29						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.42	22.56	22.41	24	0				
3	QPSK	1	8	22.29	22.42	22.25						
3	QPSK	1	14	22.34	22.41	22.28						
3	QPSK	8	0	21.22	21.30	21.31	23	1				
3	QPSK	8	4	21.24	21.28	21.33						
3	QPSK	8	7	21.23	21.35	21.21						
3	QPSK	15	0	21.19	21.34	21.27	23	1				
3	16QAM	1	0	21.46	21.55	21.48						
3	16QAM	1	8	21.50	21.37	21.47						
3	16QAM	1	14	21.44	21.45	21.55	22	2				
3	16QAM	8	0	20.23	20.30	20.32						
3	16QAM	8	4	20.22	20.27	20.35						
3	16QAM	8	7	20.29	20.28	20.36	22	2				
3	16QAM	15	0	20.31	20.33	20.20						
3	64QAM	1	0	20.30	20.55	20.40						
3	64QAM	1	8	20.40	20.47	20.36	22	2				
3	64QAM	1	14	20.45	20.37	20.32						
3	64QAM	8	0	19.21	19.36	19.24						
3	64QAM	8	4	19.31	19.18	19.22	21	3				
3	64QAM	8	7	19.21	19.18	19.17						
3	64QAM	15	0	19.22	19.29	19.22						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.48	22.53	22.42	24	0				
1.4	QPSK	1	3	22.37	22.42	22.27						
1.4	QPSK	1	5	22.28	22.39	22.31						
1.4	QPSK	3	0	22.32	22.37	22.22	23	1				
1.4	QPSK	3	1	22.24	22.27	22.25						
1.4	QPSK	3	3	22.19	22.29	22.21						
1.4	QPSK	6	0	21.20	21.39	21.21	23	1				
1.4	16QAM	1	0	21.41	21.51	21.48						
1.4	16QAM	1	3	21.48	21.33	21.55						
1.4	16QAM	1	5	21.45	21.52	21.49	23	1				
1.4	16QAM	3	0	21.20	21.40	21.31						
1.4	16QAM	3	1	21.25	21.28	21.33						
1.4	16QAM	3	3	21.25	21.30	21.32	22	2				
1.4	16QAM	6	0	20.30	20.30	20.27						
1.4	64QAM	1	0	20.36	20.48	20.41						
1.4	64QAM	1	3	20.44	20.49	20.42	22	2				
1.4	64QAM	1	5	20.49	20.40	20.31						
1.4	64QAM	3	0	20.27	20.28	20.26						
1.4	64QAM	3	1	20.29	20.34	20.16	22	2				
1.4	64QAM	3	3	20.18	20.24	20.16						
1.4	64QAM	6	0	19.27	19.30	19.22						
1.4	64QAM	6	0	19.27	19.30	19.22	21	3				

Band 13 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel					23230				
Frequency (MHz)					792				
10	QPSK	1	0		22.53		24	0	
10	QPSK	1	25		22.50				
10	QPSK	1	49		22.44				
10	QPSK	25	0		21.48		23	1	
10	QPSK	25	12		21.44				
10	QPSK	25	25		21.41				
10	QPSK	50	0		21.42		23	1	
10	16QAM	1	0		21.62				
10	16QAM	1	25		21.55				
10	16QAM	1	49		21.58		22	2	
10	16QAM	25	0		20.48				
10	16QAM	25	12		20.43				
10	16QAM	25	25		20.35		22	2	
10	16QAM	50	0		20.45				
10	64QAM	1	0		20.51				
10	64QAM	1	25		20.47		22	2	
10	64QAM	1	49		20.38				
10	64QAM	25	0		19.45				
10	64QAM	25	12		19.35		21	3	
10	64QAM	25	25		19.34				
10	64QAM	50	0		19.41				
Channel					23205	23230	23255	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)					792.5	792	794.5		
5	QPSK	1	0	22.46	22.49	22.43	24	0	
5	QPSK	1	12	22.36	22.38	22.46			
5	QPSK	1	24	22.29	22.34	22.40			
5	QPSK	12	0	21.42	21.38	21.34	23	1	
5	QPSK	12	7	21.33	21.31	21.36			
5	QPSK	12	13	21.32	21.27	21.28			
5	QPSK	25	0	21.31	21.33	21.38	23	1	
5	16QAM	1	0	21.56	21.57	21.51			
5	16QAM	1	12	21.50	21.43	21.50			
5	16QAM	1	24	21.45	21.45	21.46	22	2	
5	16QAM	12	0	20.38	20.38	20.40			
5	16QAM	12	7	20.34	20.31	20.30			
5	16QAM	12	13	20.20	20.22	20.31	22	2	
5	16QAM	25	0	20.31	20.38	20.36			
5	64QAM	1	0	20.38	20.48	20.43			
5	64QAM	1	12	20.38	20.34	20.41	22	2	
5	64QAM	1	24	20.24	20.34	20.25			
5	64QAM	12	0	19.41	19.39	19.37			
5	64QAM	12	7	19.20	19.23	19.20	21	3	
5	64QAM	12	13	19.27	19.20	19.26			
5	64QAM	25	0	19.31	19.35	19.32			



Band 26 for FCC Ant0										
BW (MHz)	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)				831.5	831.5	841.5				
15	QPSK	1	0	22.46	22.58	22.52	24	0		
15	QPSK	1	37	22.38	22.50	22.46				
15	QPSK	1	74	22.43	22.46	22.37				
15	QPSK	36	0	21.48	21.58	21.45				
15	QPSK	36	20	21.47	21.52	21.49	23	1		
15	QPSK	36	39	21.35	21.47	21.39				
15	QPSK	75	0	21.41	21.54	21.50				
15	16QAM	1	0	21.67	21.77	21.63				
15	16QAM	1	37	21.62	21.69	21.62	23	1		
15	16QAM	1	74	21.55	21.70	21.58				
15	16QAM	36	0	20.42	20.54	20.45				
15	16QAM	36	20	20.38	20.50	20.42				
15	16QAM	36	39	20.47	20.51	20.38	22	2		
15	16QAM	75	0	20.37	20.50	20.40				
15	64QAM	1	0	20.60	20.65	20.57				
15	64QAM	1	37	20.64	20.68	20.62				
15	64QAM	1	74	20.47	20.59	20.51	22	2		
15	64QAM	36	0	19.39	19.53	19.44				
15	64QAM	36	20	19.50	19.55	19.48				
15	64QAM	36	39	19.34	19.44	19.33				
15	64QAM	75	0	19.44	19.47	19.34	21	3		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	22.36	22.46	22.41	24	0		
10	QPSK	1	25	22.24	22.39	22.41				
10	QPSK	1	49	22.32	22.43	22.30				
10	QPSK	25	0	21.43	21.48	21.34				
10	QPSK	25	12	21.37	21.37	21.39	23	1		
10	QPSK	25	25	21.29	21.32	21.36				
10	QPSK	50	0	21.29	21.45	21.46				
10	16QAM	1	0	21.64	21.63	21.53				
10	16QAM	1	25	21.51	21.66	21.58	23	1		
10	16QAM	1	49	21.52	21.57	21.50				
10	16QAM	25	0	20.36	20.42	20.33				
10	16QAM	25	12	20.35	20.42	20.31				
10	16QAM	25	25	20.40	20.44	20.28	22	2		
10	16QAM	50	0	20.32	20.42	20.26				
10	64QAM	1	0	20.52	20.60	20.46				
10	64QAM	1	25	20.55	20.60	20.56				
10	64QAM	1	49	20.37	20.44	20.44	22	2		
10	64QAM	25	0	19.32	19.49	19.36				
10	64QAM	25	12	19.39	19.43	19.45				
10	64QAM	25	25	19.20	19.31	19.21				
10	64QAM	50	0	19.41	19.38	19.22	21	3		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5		Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	22.41	22.43	22.39	24	0		
5	QPSK	1	12	22.28	22.40	22.32				
5	QPSK	1	24	22.33	22.34	22.29				
5	QPSK	12	0	21.37	21.54	21.36				
5	QPSK	12	7	21.37	21.37	21.37	23	1		
5	QPSK	12	13	21.27	21.37	21.29				
5	QPSK	25	0	21.31	21.40	21.40				
5	16QAM	1	0	21.61	21.68	21.50				
5	16QAM	1	12	21.53	21.62	21.53	23	1		
5	16QAM	1	24	21.51	21.66	21.44				
5	16QAM	12	0	20.30	20.42	20.39				
5	16QAM	12	7	20.34	20.39	20.29				
5	16QAM	12	13	20.39	20.48	20.29	22	2		
5	16QAM	25	0	20.32	20.44	20.30				
5	64QAM	1	0	20.46	20.62	20.42				
5	64QAM	1	12	20.57	20.63	20.47				
5	64QAM	1	24	20.40	20.46	20.41	22	2		
5	64QAM	12	0	19.30	19.38	19.30				
5	64QAM	12	7	19.42	19.44	19.39				
5	64QAM	12	13	19.25	19.31	19.27				
5	64QAM	25	0	19.35	19.39	19.19	21	3		
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5		Tune-up limit (dbm)	MPR (dB)	
3	QPSK	1	0	22.35	22.48	22.45	24	0		
3	QPSK	1	8	22.27	22.43	22.42				
3	QPSK	1	14	22.28	22.32	22.32				
3	QPSK	8	0	21.39	21.54	21.35				
3	QPSK	8	4	21.32	21.46	21.35	23	1		
3	QPSK	8	7	21.26	21.34	21.34				
3	QPSK	15	0	21.31	21.45	21.45				
3	16QAM	1	0	21.62	21.67	21.49				
3	16QAM	1	8	21.52	21.59	21.49	23	1		
3	16QAM	1	14	21.40	21.61	21.43				
3	16QAM	8	0	20.35	20.40	20.31				
3	16QAM	8	4	20.25	20.45	20.33				
3	16QAM	8	7	20.39	20.39	20.29	22	2		
3	16QAM	15	0	20.29	20.39	20.37				
3	64QAM	1	0	20.57	20.53	20.48				
3	64QAM	1	8	20.57	20.60	20.55				
3	64QAM	1	14	20.44	20.53	20.40	22	2		
3	64QAM	8	0	19.24	19.47	19.30				
3	64QAM	8	4	19.38	19.48	19.37				
3	64QAM	8	7	19.31	19.29	19.24				
3	64QAM	15	0	19.33	19.41	19.21	21	3		
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3		Tune-up limit (dbm)	MPR (dB)	
1.4	QPSK	1	0	22.35	22.47	22.45	24	0		
1.4	QPSK	1	3	22.34	22.36	22.37				
1.4	QPSK	1	5	22.29	22.36	22.33				
1.4	QPSK	3	0	22.41	22.53	22.39				
1.4	QPSK	3	1	22.43	22.46	22.36	23	1		
1.4	QPSK	3	3	22.25	22.33	22.34				
1.4	QPSK	6	0	21.31	21.47	21.36				
1.4	16QAM	1	0	21.62	21.66	21.52				
1.4	16QAM	1	3	21.51	21.57	21.55	23	1		
1.4	16QAM	1	5	21.42	21.64	21.51				
1.4	16QAM	3	0	21.29	21.48	21.31				
1.4	16QAM	3	1	21.34	21.46	21.35				
1.4	16QAM	3	3	21.39	21.46	21.33	22	2		
1.4	16QAM	6	0	20.30	20.43	20.28				
1.4	64QAM	1	0	20.49	20.56	20.46				
1.4	64QAM	1	3	20.53	20.59	20.54				
1.4	64QAM	1	5	20.40	20.50	20.44	22	2		
1.4	64QAM	3	0	20.35	20.44	20.35				
1.4	64QAM	3	1	20.35	20.44	20.43				
1.4	64QAM	3	3	20.23	20.33	20.25				
1.4	64QAM	6	0	19.31	19.37	19.29	21	3		

Band 66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				135072	135022	135072			
Frequency (MHz)				1715	1745	1770			
20	QPSK	1	0	22.32	22.55	22.34	24	0	
20	QPSK	1	49	22.36	22.42	22.31			
20	QPSK	1	99	22.36	22.48	22.45			
20	QPSK	50	0	21.44	21.49	21.43	23	1	
20	QPSK	50	24	21.41	21.44	21.32			
20	QPSK	50	50	21.33	21.41	21.33			
20	QPSK	100	0	21.24	21.38	21.24	23	1	
20	16QAM	1	0	21.51	21.59	21.55			
20	16QAM	1	49	21.46	21.49	21.56			
20	16QAM	1	99	21.54	21.50	21.47	22	2	
20	16QAM	50	0	20.36	20.42	20.29			
20	16QAM	50	24	20.34	20.38	20.31			
20	16QAM	50	50	20.31	20.38	20.27	22	2	
20	16QAM	100	0	20.32	20.36	20.29			
20	64QAM	1	0	20.43	20.51	20.36			
20	64QAM	1	49	20.37	20.41	20.47	22	2	
20	64QAM	1	99	20.41	20.45	20.41			
20	64QAM	50	19	19.30	19.30	19.26			
20	64QAM	50	24	19.36	19.33	19.26	21	3	
20	64QAM	50	50	19.35	19.27	19.28			
20	64QAM	100	0	19.23	19.35	19.32			
Channel				135047	135022	135027			
Frequency (MHz)				1717.5	1745	1759.5	tune-up limit (dbm)	MPR (db)	
15	QPSK	1	0	22.28	22.57	22.24	24	0	
15	QPSK	1	37	22.25	22.27	22.27			
15	QPSK	1	74	22.31	22.43	22.32			
15	QPSK	36	0	21.31	21.43	21.30	23	1	
15	QPSK	36	20	21.27	21.36	21.19			
15	QPSK	36	39	21.27	21.35	21.24			
15	QPSK	75	0	21.20	21.30	21.11	23	1	
15	16QAM	1	0	21.42	21.49	21.48			
15	16QAM	1	37	21.42	21.36	21.46			
15	16QAM	1	74	21.50	21.43	21.43	22	2	
15	16QAM	36	0	20.28	20.34	20.25			
15	16QAM	36	20	20.28	20.25	20.26			
15	16QAM	36	39	20.29	20.24	20.12	22	2	
15	16QAM	75	0	20.19	20.32	20.14			
15	64QAM	1	0	20.40	20.39	20.36			
15	64QAM	1	37	20.29	20.37	20.43	22	2	
15	64QAM	1	74	20.35	20.38	20.30			
15	64QAM	36	0	19.19	19.30	19.14			
15	64QAM	36	20	19.14	19.14	19.14	21	3	
15	64QAM	36	39	19.32	19.13	19.17			
15	64QAM	75	0	19.18	19.20	19.29			
Channel				135022	135022	135022	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.21	22.47	22.23	24	0	
10	QPSK	1	25	22.21	22.52	22.22			
10	QPSK	1	49	22.22	22.27	22.27			
10	QPSK	25	0	21.36	21.45	21.28	23	1	
10	QPSK	25	12	21.27	21.40	21.18			
10	QPSK	25	25	21.26	21.36	21.26			
10	QPSK	50	0	21.20	21.28	21.19	23	1	
10	16QAM	1	0	21.38	21.54	21.51			
10	16QAM	1	25	21.37	21.35	21.50			
10	16QAM	1	49	21.50	21.39	21.36	22	2	
10	16QAM	25	0	20.31	20.30	20.21			
10	16QAM	25	12	20.28	20.21	20.23			
10	16QAM	25	25	20.26	20.30	20.24	22	2	
10	16QAM	50	0	20.30	20.36	20.25			
10	64QAM	1	0	20.38	20.38	20.25			
10	64QAM	1	25	20.31	20.28	20.35	22	2	
10	64QAM	1	49	20.30	20.33	20.27			
10	64QAM	25	0	19.25	19.31	19.16			
10	64QAM	25	12	19.30	19.30	19.18	21	3	
10	64QAM	25	25	19.33	19.26	19.19			
10	64QAM	50	0	19.11	19.30	19.29			
Channel				131997	135022	135047	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.19	22.47	22.29	24	0	
5	QPSK	1	12	22.27	22.44	22.18			
5	QPSK	1	24	22.27	22.44	22.34			
5	QPSK	12	0	21.30	21.40	21.35	23	1	
5	QPSK	12	7	21.35	21.33	21.28			
5	QPSK	12	13	21.21	21.33	21.24			
5	QPSK	25	0	21.16	21.26	21.10	22	2	
5	16QAM	1	0	21.46	21.53	21.47			
5	16QAM	1	12	21.42	21.45	21.41			
5	16QAM	1	24	21.31	21.31	21.32	22	2	
5	16QAM	12	0	20.23	20.34	20.19			
5	16QAM	12	7	20.19	20.26	20.21			
5	16QAM	12	13	20.20	20.26	20.12	22	2	
5	16QAM	25	0	20.24	20.32	20.14			
5	64QAM	1	0	20.38	20.39	20.22			
5	64QAM	1	20	20.31	20.27	20.38	22	2	
5	64QAM	1	24	20.28	20.39	20.29			
5	64QAM	12	0	19.17	19.27	19.21			
5	64QAM	12	7	19.23	19.21	19.14	21	3	
5	64QAM	12	13	19.29	19.13	19.21			
5	64QAM	25	0	19.13	19.23	19.23			
Channel				131987	135022	135057	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1711.5	1745	1777.5			
3	QPSK	1	0	22.27	22.41	22.21	24	0	
3	QPSK	1	8	22.32	22.36	22.26			
3	QPSK	1	14	22.30	22.42	22.21			
3	QPSK	8	0	21.37	21.45	21.38	23	1	
3	QPSK	8	4	21.36	21.40	21.31			
3	QPSK	8	7	21.24	21.31	21.28			
3	QPSK	15	0	21.10	21.24	21.19	23	1	
3	16QAM	1	0	21.39	21.50	21.48			
3	16QAM	1	14	21.40	21.37	21.49			
3	16QAM	8	0	20.33	20.35	20.23	22	2	
3	16QAM	8	4	20.21	20.34	20.33			
3	16QAM	8	7	20.22	20.28	20.19			
3	16QAM	15	0	20.22	20.32	20.25	22	2	
3	64QAM	1	0	20.38	20.44	20.31			
3	64QAM	1	8	20.23	20.30	20.33			
3	64QAM	1	14	20.27	20.29	20.32	22	2	
3	64QAM	8	0	19.21	19.29	19.22			
3	64QAM	8	4	19.21	19.29	19.15			
3	64QAM	8	7	19.24	19.21	19.22	21	3	
3	64QAM	15	0	19.18	19.26	19.19			
Channel				131979	135022	135065			
Frequency (MHz)				1710.7	1745	1779.5			
1.4	QPSK	1	0	22.17	22.52	22.22	24	0	
1.4	QPSK	1	3	22.28	22.32	22.22			
1.4	QPSK	1	5	22.31	22.28	22.32			
1.4	QPSK	3	0	22.35	22.37	22.39	23	1	
1.4	QPSK	3	1	22.37	22.39	22.27			
1.4	QPSK	3	3	22.28	22.37	22.22			
1.4	QPSK	6	0	21.12	21.33	21.17	23	1	
1.4	16QAM	1	0	21.48	21.55	21.51			
1.4	16QAM	1	3	21.39	21.45	21.46			
1.4	16QAM	1	5	21.44	21.42	21.37	23	1	
1.4	16QAM	3	0	21.28	21.35	21.25			
1.4	16QAM	3	1	21.25	21.17	21.28			
1.4	16QAM	3	3	21.3	21.3	21.21	22	2	
1.4	16QAM	6	0	20.25	20.31	20.22			
1.4	64QAM	1	0	20.36	20.40	20.22			
1.4	64QAM	1	3	20.25	20.30	20.44	22	2	
1.4	64QAM	1	5	20.31	20.38	20.32			
1.4	64QAM	3	0	20.25	20.30	20.17			
1.4	64QAM	3	1	20.28	20.26	20.12	21	3	
1.4	64QAM	3	3	20.29	20.13	20.17			
1.4	64QAM	6	0	19.16	19.25	19.17			

Band 7 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21550	24	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.40	22.50	22.37	24	0	
20	QPSK	1	49	22.35	22.42	22.33			
20	QPSK	1	99	22.28	22.35	22.30			
20	QPSK	50	0	21.38	21.46	21.33	23	1	
20	QPSK	50	24	21.38	21.42	21.32			
20	QPSK	50	50	21.26	21.34	21.19			
20	QPSK	100	0	21.33	21.40	21.28	23	1	
20	16QAM	1	0	21.51	21.56	21.46			
20	16QAM	1	49	21.45	21.46	21.51			
20	16QAM	1	99	21.46	21.52	21.53	22	2	
20	16QAM	50	0	20.29	20.41	20.32			
20	16QAM	50	24	20.33	20.27	20.32			
20	16QAM	50	50	20.31	20.29	20.37	22	2	
20	16QAM	100	0	20.25	20.37	20.24			
20	64QAM	1	0	20.40	20.47	20.37			
20	64QAM	1	49	20.34	20.33	20.43	22	2	
20	64QAM	1	99	20.40	20.37	20.43			
20	64QAM	50	0	19.34	19.40	19.27			
20	64QAM	50	24	19.26	19.32	19.32	21	3	
20	64QAM	50	50	19.33	19.30	19.29			
20	64QAM	100	0	19.23	19.35	19.30			
Channel				20825	21100	21375	24	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.31	22.39	22.31	24	0	
15	QPSK	1	37	22.23	22.39	22.27			
15	QPSK	1	74	22.17	22.25	22.19			
15	QPSK	36	0	21.25	21.38	21.20	23	1	
15	QPSK	36	20	21.24	21.31	21.22			
15	QPSK	36	39	21.18	21.27	21.06			
15	QPSK	75	0	21.28	21.35	21.22	23	1	
15	16QAM	1	0	21.41	21.46	21.42			
15	16QAM	1	37	21.33	21.36	21.45			
15	16QAM	1	74	21.43	21.39	21.49	22	2	
15	16QAM	36	0	20.18	20.34	20.18			
15	16QAM	36	20	20.28	20.12	20.29			
15	16QAM	36	39	20.19	20.22	20.24	22	2	
15	16QAM	75	0	20.12	20.23	20.17			
15	64QAM	1	0	20.31	20.41	20.23			
15	64QAM	1	37	20.24	20.29	20.32	22	2	
15	64QAM	1	74	20.28	20.30	20.35			
15	64QAM	36	0	19.24	19.37	19.13			
15	64QAM	36	20	19.18	19.27	19.19	21	3	
15	64QAM	36	39	19.25	19.20	19.20			
15	64QAM	75	0	19.13	19.32	19.17			
Channel				20800	21100	21400	24	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.29	22.40	22.22	24	0	
10	QPSK	1	25	22.20	22.36	22.29			
10	QPSK	1	49	22.16	22.23	22.22			
10	QPSK	25	0	21.32	21.34	21.27	23	1	
10	QPSK	25	12	21.33	21.35	21.28			
10	QPSK	25	25	21.21	21.25	21.05			
10	QPSK	50	0	21.20	21.29	21.18	23	1	
10	16QAM	1	0	21.41	21.44	21.38			
10	16QAM	1	25	21.39	21.32	21.45			
10	16QAM	1	49	21.38	21.43	21.42	22	2	
10	16QAM	25	0	20.24	20.33	20.25			
10	16QAM	25	12	20.22	20.21	20.21			
10	16QAM	25	25	20.25	20.24	20.33	22	2	
10	16QAM	50	0	20.14	20.26	20.20			
10	64QAM	1	0	20.31	20.37	20.27			
10	64QAM	1	25	20.25	20.22	20.33	22	2	
10	64QAM	1	49	20.33	20.31	20.32			
10	64QAM	25	0	19.28	19.28	19.23			
10	64QAM	25	12	19.17	19.24	19.22	21	3	
10	64QAM	25	25	19.20	19.19	19.23			
10	64QAM	50	0	19.18	19.26	19.25			
Channel				20775	21100	21425	24	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.35	22.43	22.31	24	0	
5	QPSK	1	12	22.23	22.31	22.18			
5	QPSK	1	24	22.21	22.32	22.21			
5	QPSK	12	0	21.33	21.40	21.29	23	1	
5	QPSK	12	7	21.34	21.39	21.25			
5	QPSK	12	13	21.18	21.25	21.16			
5	QPSK	25	0	21.20	21.31	21.21	23	1	
5	16QAM	1	0	21.40	21.47	21.39			
5	16QAM	1	12	21.37	21.35	21.39			
5	16QAM	1	24	21.34	21.42	21.44	22	2	
5	16QAM	12	0	20.15	20.36	20.27			
5	16QAM	12	7	20.26	20.19	20.20			
5	16QAM	12	13	20.25	20.21	20.26	22	2	
5	16QAM	25	0	20.16	20.33	20.20			
5	64QAM	1	0	20.30	20.36	20.31			
5	64QAM	1	12	20.30	20.28	20.39	22	2	
5	64QAM	1	24	20.29	20.28	20.38			
5	64QAM	12	0	19.23	19.35	19.14			
5	64QAM	12	7	19.14	19.19	19.18	21	3	
5	64QAM	12	13	19.26	19.17	19.24			
5	64QAM	25	0	19.11	19.29	19.20			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.71	22.84	22.77	23	1	
20	QPSK	1	49	22.70	22.76	22.66			
20	QPSK	1	99	22.58	22.69	22.59	23	1	
20	QPSK	50	0	21.68	21.83	21.70			
20	QPSK	50	24	21.62	21.76	21.62	23	1	
20	QPSK	50	50	21.58	21.68	21.59			
20	QPSK	100	0	21.61	21.72	21.67	23	1	
20	16QAM	1	0	21.71	21.80	21.68			
20	16QAM	1	49	21.68	21.68	21.69	22	2	
20	16QAM	1	99	21.68	21.72	21.76			
20	16QAM	50	0	20.68	20.81	20.72	22	2	
20	16QAM	50	24	20.67	20.68	20.69			
20	16QAM	50	50	20.72	20.69	20.75	22	2	
20	16QAM	100	0	20.66	20.77	20.74			
20	64QAM	1	0	20.39	20.47	20.41	22	2	
20	64QAM	1	49	20.40	20.42	20.35			
20	64QAM	1	99	20.36	20.37	20.33	21	3	
20	64QAM	50	0	19.70	19.80	19.72			
20	64QAM	50	24	19.73	19.67	19.75	21	3	
20	64QAM	50	50	19.76	19.67	19.75			
20	64QAM	100	0	19.58	19.72	19.57	24	0	
Channel				37825	38000	38175		23	1
Frequency (MHz)				2577.5	2595	2612.5	23		1
15	QPSK	1	0	22.66	22.70	22.74		24	0
15	QPSK	1	37	22.57	22.68	22.52			
15	QPSK	1	74	22.54	22.65	22.51	23	1	
15	QPSK	36	0	21.58	21.74	21.66			
15	QPSK	36	20	21.58	21.71	21.54	23	1	
15	QPSK	36	39	21.48	21.57	21.48			
15	QPSK	75	0	21.47	21.67	21.59	23	1	
15	16QAM	1	0	21.66	21.75	21.64			
15	16QAM	1	37	21.62	21.58	21.62	22	2	
15	16QAM	1	74	21.61	21.57	21.64			
15	16QAM	36	0	20.65	20.67	20.64	22	2	
15	16QAM	36	20	20.61	20.63	20.60			
15	16QAM	36	39	20.58	20.58	20.59	22	2	
15	16QAM	75	0	20.60	20.71	20.65			
15	64QAM	1	0	20.31	20.38	20.29	22	2	
15	64QAM	1	37	20.35	20.37	20.26			
15	64QAM	1	74	20.27	20.26	20.21	21	3	
15	64QAM	36	0	19.69	19.72	19.66			
15	64QAM	36	20	19.69	19.67	19.67	21	3	
15	64QAM	36	39	19.72	19.61	19.72			
15	64QAM	75	0	19.45	19.68	19.44	24	0	
Channel				37800	38000	38200		23	1
Frequency (MHz)				2575	2595	2615	23		1
10	QPSK	1	0	22.57	22.78	22.70		24	0
10	QPSK	1	25	22.60	22.63	22.54			
10	QPSK	1	49	22.54	22.58	22.52	23	1	
10	QPSK	25	0	21.55	21.76	21.64			
10	QPSK	25	12	21.49	21.69	21.56	23	1	
10	QPSK	25	25	21.46	21.54	21.54			
10	QPSK	50	0	21.49	21.69	21.63	23	1	
10	16QAM	1	0	21.64	21.70	21.55			
10	16QAM	1	25	21.65	21.64	21.59	23	1	
10	16QAM	1	49	21.61	21.59	21.73			
10	16QAM	25	0	20.53	20.77	20.68	22	2	
10	16QAM	25	12	20.54	20.54	20.62			
10	16QAM	25	25	20.67	20.60	20.68	22	2	
10	16QAM	50	0	20.52	20.65	20.61			
10	64QAM	1	0	20.33	20.35	20.37	22	2	
10	64QAM	1	25	20.28	20.34	20.29			
10	64QAM	1	49	20.25	20.26	20.29	21	3	
10	64QAM	25	0	19.59	19.71	19.68			
10	64QAM	25	12	19.62	19.63	19.64	21	3	
10	64QAM	25	25	19.67	19.53	19.60			
10	64QAM	50	0	19.54	19.68	19.42	24	0	
Channel				37775	38000	38225		23	1
Frequency (MHz)				2572.5	2595	2617.5	23		1
5	QPSK	1	0	22.57	22.81	22.62		24	0
5	QPSK	1	12	22.63	22.68	22.59			
5	QPSK	1	24	22.51	22.63	22.44	23	1	
5	QPSK	12	0	21.56	21.74	21.55			
5	QPSK	12	7	21.53	21.69	21.48	23	1	
5	QPSK	12	13	21.53	21.60	21.49			
5	QPSK	25	0	21.50	21.61	21.62	23	1	
5	16QAM	1	0	21.61	21.68	21.65			
5	16QAM	1	12	21.54	21.60	21.58	23	1	
5	16QAM	1	24	21.60	21.58	21.72			
5	16QAM	12	0	20.58	20.76	20.62	22	2	
5	16QAM	12	7	20.59	20.58	20.57			
5	16QAM	12	13	20.60	20.65	20.71	22	2	
5	16QAM	25	0	20.56	20.68	20.63			
5	64QAM	1	0	20.26	20.33	20.36	22	2	
5	64QAM	1	12	20.31	20.31	20.21			
5	64QAM	1	24	20.24	20.24	20.19	21	3	
5	64QAM	12	0	19.56	19.66	19.66			
5	64QAM	12	7	19.64	19.61	19.62	21	3	
5	64QAM	12	13	19.62	19.54	19.64			
5	64QAM	25	0	19.45	19.59	19.49	21	3	

Band 41 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mode Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Mode Ch / Freq	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.60	22.63	22.88	22.71	22.62	24	0	
20	QPSK	1	49	22.63	22.72	22.84	22.70	22.56			
20	QPSK	1	99	22.58	22.59	22.70	22.82	22.51			
20	QPSK	50	0	21.68	21.71	21.80	21.75	21.54			
20	QPSK	50	24	21.64	21.63	21.74	21.61	21.55	23	1	
20	QPSK	50	50	21.56	21.66	21.70	21.55	21.51			
20	QPSK	100	0	21.68	21.69	21.76	21.65	21.48			
20	16QAM	1	0	21.75	21.74	21.86	21.78	21.65			
20	16QAM	1	49	21.79	21.75	21.76	21.75	21.46	23	1	
20	16QAM	1	99	21.74	21.82	21.74	21.80	21.57			
20	16QAM	50	0	20.74	20.65	20.77	20.69	20.56			
20	16QAM	50	24	20.73	20.62	20.63	20.67	20.54			
20	16QAM	50	50	20.71	20.65	20.69	20.74	20.52	22	2	
20	16QAM	100	0	20.64	20.64	20.78	20.70	20.59			
20	64QAM	1	0	20.52	20.48	20.62	20.57	20.42			
20	64QAM	1	49	20.52	20.47	20.53	20.49	20.41			
20	64QAM	1	99	20.53	20.58	20.55	20.54	20.32	22	2	
20	64QAM	50	0	19.66	19.64	19.70	19.56	19.49			
20	64QAM	50	24	19.59	19.61	19.64	19.61	19.49			
20	64QAM	50	50	19.61	19.63	19.59	19.57	19.47			
20	64QAM	100	0	19.66	19.68	19.73	19.67	19.44	21	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.47	22.57	22.73	22.56	22.47			24
15	QPSK	1	37	22.58	22.61	22.73	22.62	22.46			
15	QPSK	1	74	22.48	22.53	22.67	22.57	22.39			
15	QPSK	36	0	21.61	21.57	21.69	21.64	21.46			
15	QPSK	36	20	21.50	21.52	21.69	21.56	21.42	23	1	
15	QPSK	36	39	21.42	21.56	21.60	21.49	21.40			
15	QPSK	72	0	21.57	21.56	21.62	21.59	21.34			
15	16QAM	1	0	21.64	21.59	21.76	21.63	21.60			
15	16QAM	1	37	21.65	21.65	21.72	21.67	21.48	23	1	
15	16QAM	1	74	21.64	21.75	21.63	21.76	21.43			
15	16QAM	36	0	20.64	20.55	20.66	20.56	20.52			
15	16QAM	36	20	20.59	20.49	20.58	20.51	20.49			
15	16QAM	36	39	20.65	20.62	20.56	20.69	20.42	22	2	
15	16QAM	72	0	20.59	20.57	20.64	20.66	20.47			
15	64QAM	1	0	20.40	20.42	20.58	20.43	20.28			
15	64QAM	1	37	20.39	20.35	20.42	20.45	20.29			
15	64QAM	1	74	20.50	20.48	20.43	20.48	20.20	22	2	
15	64QAM	36	0	19.53	19.54	19.61	19.52	19.38			
15	64QAM	36	20	19.53	19.51	19.49	19.52	19.44			
15	64QAM	36	39	19.57	19.59	19.55	19.43	19.43			
15	64QAM	72	0	19.58	19.58	19.58	19.58	19.31	21	3	
Channel				39760	40166	40620	41080	41540			
Frequency (MHz)				2504	2547	2593	2639	2685			
10	QPSK	1	0	22.56	22.55	22.78	22.66	22.49			24
10	QPSK	1	25	22.62	22.65	22.70	22.59	22.42			
10	QPSK	1	49	22.44	22.48	22.65	22.51	22.45			
10	QPSK	25	0	21.55	21.61	21.75	21.70	21.49			
10	QPSK	25	12	21.52	21.58	21.67	21.46	21.46	23	1	
10	QPSK	25	25	21.48	21.57	21.62	21.49	21.37			
10	QPSK	50	0	21.62	21.56	21.62	21.59	21.42			
10	16QAM	1	0	21.69	21.64	21.82	21.65	21.53			
10	16QAM	1	25	21.66	21.69	21.69	21.62	21.45	23	1	
10	16QAM	1	49	21.66	21.71	21.62	21.76	21.48			
10	16QAM	25	0	20.66	20.55	20.67	20.65	20.49			
10	16QAM	25	12	20.65	20.49	20.50	20.57	20.43			
10	16QAM	25	25	20.57	20.56	20.62	20.67	20.44	22	2	
10	16QAM	50	0	20.58	20.51	20.68	20.59	20.53			
10	64QAM	1	0	20.48	20.41	20.56	20.44	20.27			
10	64QAM	1	25	20.38	20.38	20.46	20.42	20.27			
10	64QAM	1	49	20.46	20.45	20.48	20.49	20.23	22	2	
10	64QAM	25	0	19.63	19.51	19.62	19.42	19.45			
10	64QAM	25	12	19.48	19.51	19.57	19.54	19.34			
10	64QAM	25	25	19.49	19.54	19.46	19.48	19.44			
10	64QAM	50	0	19.61	19.64	19.68	19.65	19.40	21	3	
Channel				39675	40164	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.50	22.49	22.77	22.62	22.56			24
5	QPSK	1	12	22.57	22.66	22.76	22.61	22.52			
5	QPSK	1	24	22.46	22.46	22.65	22.55	22.37			
5	QPSK	12	0	21.60	21.58	21.75	21.67	21.41			
5	QPSK	12	7	21.56	21.56	21.67	21.57	21.51	23	1	
5	QPSK	12	13	21.49	21.58	21.61	21.41	21.37			
5	QPSK	25	0	21.56	21.60	21.68	21.59	21.37			
5	16QAM	1	0	21.60	21.68	21.73	21.71	21.60			
5	16QAM	1	12	21.75	21.61	21.67	21.65	21.42	23	1	
5	16QAM	1	24	21.63	21.70	21.62	21.71	21.44			
5	16QAM	12	0	20.70	20.61	20.66	20.59	20.44			
5	16QAM	12	7	20.59	20.53	20.56	20.57	20.43			
5	16QAM	12	13	20.57	20.57	20.58	20.64	20.41	22	2	
5	16QAM	25	0	20.60	20.59	20.71	20.62	20.43			
5	64QAM	1	0	20.43	20.35	20.54	20.52	20.36			
5	64QAM	1	12	20.37	20.41	20.42	20.42	20.33			
5	64QAM	1	24	20.44	20.47	20.46	20.39	20.26	22	2	
5	64QAM	12	0	19.56	19.51	19.63	19.51	19.42			
5	64QAM	12	7	19.56	19.52	19.56	19.57	19.38			
5	64QAM	12	13	19.53	19.55	19.52	19.50	19.39			
5	64QAM	25	0	19.52	19.59	19.62	19.63	19.32	21	3	
5	64QAM	25	12	19.52	19.55	19.52	19.52	19.39			
5	64QAM	25	13	19.53	19.55	19.52	19.50	19.39			
5	64QAM	25	0	19.52	19.59	19.62	19.63	19.32			

Band 4 Ant4													
BW (MHz)	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	22.66	22.86	22.69	24	0					
20	QPSK	1	49	22.64	22.78	22.66							
20	QPSK	1	99	22.73	22.81	22.70							
20	QPSK	50	0	21.71	21.82	21.75	23	1					
20	QPSK	50	24	21.67	21.76	21.71							
20	QPSK	50	50	21.65	21.79	21.67							
20	QPSK	100	0	21.68	21.75	21.58	23	1					
20	16QAM	1	0	21.74	21.84	21.71							
20	16QAM	1	49	21.67	21.73	21.73							
20	16QAM	1	99	21.75	21.72	21.73	22	2					
20	16QAM	50	0	20.81	20.91	20.84							
20	16QAM	50	24	20.86	20.83	20.77							
20	16QAM	50	50	20.82	20.76	20.77	21	3					
20	16QAM	100	0	20.88	20.94	20.85							
20	64QAM	1	0	20.75	20.86	20.85							
20	64QAM	1	49	20.70	20.76	20.77	22	2					
20	64QAM	1	99	20.75	20.75	20.79							
20	64QAM	50	0	19.80	19.86	19.79							
20	64QAM	50	24	19.76	19.75	19.78	21	3					
20	64QAM	50	50	19.79	19.85	19.85							
20	64QAM	100	0	19.88	19.92	19.89							
Channel													
Frequency (MHz)													
2005				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)					
1712.5				1712.5	1725.5	1747.5							
1712.5				1712.5	1725.5	1747.5							
10	QPSK	1	0	22.58	22.79	22.67	24	0					
10	QPSK	1	37	22.61	22.70	22.62							
10	QPSK	1	74	22.68	22.77	22.68							
15	QPSK	36	0	21.65	21.77	21.68	23	1					
15	QPSK	36	20	21.61	21.78	21.62							
15	QPSK	36	39	21.65	21.71	21.61							
15	QPSK	75	0	21.59	21.69	21.55	23	1					
15	16QAM	1	0	21.69	21.74	21.64							
15	16QAM	1	37	21.64	21.69	21.71							
15	16QAM	1	74	21.71	21.65	21.70	22	2					
15	16QAM	36	0	20.76	20.87	20.77							
15	16QAM	36	20	20.82	20.83	20.73							
15	16QAM	36	39	20.75	20.76	20.78	22	2					
15	16QAM	75	0	20.83	20.84	20.75							
15	64QAM	1	0	20.72	20.81	20.82							
15	64QAM	1	37	20.66	20.73	20.75	22	2					
15	64QAM	1	74	20.68	20.68	20.78							
15	64QAM	36	0	19.81	19.86	19.72							
15	64QAM	36	20	19.68	19.72	19.73	21	3					
15	64QAM	36	39	19.77	19.80	19.77							
15	64QAM	75	0	19.81	19.90	19.85							
Channel													
Frequency (MHz)													
2000				20000	20175	20300	Tune-up limit (dBm)	MPR (dB)					
1712.5				1712.5	1732.5	1750							
1712.5				1712.5	1732.5	1750							
10	QPSK	1	0	22.59	22.78	22.63	24	0					
10	QPSK	1	25	22.59	22.71	22.61							
10	QPSK	1	49	22.67	22.79	22.66							
10	QPSK	25	0	21.65	21.76	21.67	23	1					
10	QPSK	25	12	21.62	21.76	21.66							
10	QPSK	25	25	21.64	21.75	21.60							
10	QPSK	50	0	21.64	21.72	21.57	23	1					
10	16QAM	1	0	21.71	21.74	21.66							
10	16QAM	1	25	21.68	21.69	21.70							
10	16QAM	1	49	21.70	21.68	21.70	22	2					
10	16QAM	25	0	20.78	20.89	20.81							
10	16QAM	25	12	20.83	20.82	20.75							
10	16QAM	25	25	20.74	20.72	20.77	22	2					
10	16QAM	50	0	20.84	20.91	20.78							
10	64QAM	1	0	20.75	20.82	20.83							
10	64QAM	1	25	20.68	20.74	20.74	22	2					
10	64QAM	1	49	20.71	20.69	20.73							
10	64QAM	25	0	19.76	19.84	19.70							
10	64QAM	25	12	19.70	19.73	19.73	21	3					
10	64QAM	25	25	19.73	19.81	19.82							
10	64QAM	50	0	19.82	19.91	19.83							
Channel													
Frequency (MHz)													
1907.5				1907.5	20175	20375	Tune-up limit (dBm)	MPR (dB)					
1712.5				1712.5	1732.5	1752.5							
1712.5				1712.5	1732.5	1752.5							
5	QPSK	1	0	22.61	22.79	22.63	24	0					
5	QPSK	1	12	22.61	22.72	22.65							
5	QPSK	1	24	22.71	22.74	22.66							
5	QPSK	12	0	21.66	21.81	21.69	23	1					
5	QPSK	12	7	21.67	21.73	21.64							
5	QPSK	12	13	21.61	21.74	21.62							
5	QPSK	25	0	21.59	21.72	21.56	23	1					
5	16QAM	1	0	21.68	21.76	21.66							
5	16QAM	1	12	21.63	21.68	21.65							
5	16QAM	1	24	21.71	21.65	21.73	23	1					
5	16QAM	12	0	20.77	20.88	20.80							
5	16QAM	12	7	20.85	20.80	20.75							
5	16QAM	12	13	20.75	20.70	20.77	22	2					
5	16QAM	25	0	20.84	20.89	20.80							
5	64QAM	1	0	20.74	20.81	20.82							
5	64QAM	1	12	20.68	20.75	20.79	22	2					
5	64QAM	1	24	20.67	20.72	20.72							
5	64QAM	12	0	19.80	19.83	19.72							
5	64QAM	12	7	19.70	19.71	19.76	21	3					
5	64QAM	12	13	19.75	19.83	19.77							
5	64QAM	25	0	19.79	19.90	19.83							
Channel													
Frequency (MHz)													
1907.5				1907.5	20175	20375	Tune-up limit (dBm)	MPR (dB)					
1711.5				1711.5	1732.5	1753.5							
1711.5				1711.5	1732.5	1753.5							
3	QPSK	1	0	22.57	22.76	22.64	24	0					
3	QPSK	1	8	22.54	22.67	22.56							
3	QPSK	1	14	22.62	22.68	22.65							
3	QPSK	6	0	21.64	21.72	21.62	23	1					
3	QPSK	6	4	21.56	21.75	21.62							
3	QPSK	8	7	21.60	21.73	21.57							
3	QPSK	15	0	21.55	21.65	21.54	23	1					
3	16QAM	1	0	21.68	21.74	21.59							
3	16QAM	1	8	21.63	21.65	21.61							
3	16QAM	1	14	21.68	21.60	21.68	22	2					
3	16QAM	8	0	20.74	20.81	20.80							
3	16QAM	8	4	20.82	20.75	20.71							
3	16QAM	8	7	20.73	20.69	20.74	22	2					
3	16QAM	15	0	20.75	20.89	20.72							
3	64QAM	1	0	20.70	20.77	20.76							
3	64QAM	1	8	20.61	20.66	20.69	22	2					
3	64QAM	1	14	20.60	20.66	20.73							
3	64QAM	8	0	19.73	19.83	19.87							
3	64QAM	8	4	19.66	19.63	19.70	21	3					
3	64QAM	8	7	19.71	19.74	19.78							
3	64QAM	15	0	19.74	19.86	19.83							
Channel													
Frequency (MHz)													
1995				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)					
1711.5				1711.5	1732.5	1754.5							
1711.5				1711.5	1732.5	1754.5							
1.4	QPSK	1	0	22.55	22.73	22.61	24	0					
1.4	QPSK	1	3	22.55	22.72	22.59							
1.4	QPSK	1	5	22.65	22.70	22.64							
1.4	QPSK	3	0	22.55	22.74	22.60	23	1					
1.4	QPSK	3	1	22.55	22.68	22.62							
1.4	QPSK	3	3	22.59	22.69	22.60							
1.4	QPSK	6	0	21.65	21.75	21.65	23	1					
1.4	16QAM	1	0	21.84	21.72	21.63							
1.4	16QAM	1	3	21.60	21.66	21.62							
1.4	16QAM	1	5	21.66	21.59	21.64	23	1					
1.4	16QAM	3	0	22.59	22.76	22.68							
1.4	16QAM	3	1	22.57	22.63	22.55							
1.4	16QAM	3	3	22.63	22.70	22.63	22	2					
1.4	16QAM	6	0	20.80	20.89	20.75							
1.4	64QAM	1	0	20.72	20.78	20.75							
1.4	64QAM	1	3	20.66	20.69	20.73	22	2					
1.4	64QAM	1	5	20.60	20.67	20.69							
1.4	64QAM	3	0	20.63	20.75	20.75							
1.4	64QAM	3	1	20.56	20.61	20.61	22	2					
1.4	64QAM	3	3	20.54	20.62	20.68							
1.4	64QAM	6	0	19.74	19.86	19.82							

Band 42 FCC Part27Q Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.80	22.90	22.89	24	0	
20	QPSK	1	49	22.75	22.83	22.65			
20	QPSK	1	99	22.80	22.72	22.57			
20	QPSK	50	0	21.79	21.87	21.76	23	1	
20	QPSK	50	24	21.65	21.80	21.65			
20	QPSK	50	50	21.65	21.74	21.60			
20	QPSK	100	0	21.72	21.80	21.68	23	1	
20	16QAM	1	0	21.74	21.86	21.53			
20	16QAM	1	49	21.71	21.82	21.70			
20	16QAM	1	99	21.75	21.80	21.89	22	2	
20	16QAM	50	0	20.83	20.88	20.68			
20	16QAM	50	24	20.82	20.84	20.58			
20	16QAM	50	50	20.80	20.77	20.66	22	2	
20	16QAM	100	0	20.75	20.79	20.56			
20	64QAM	1	0	20.55	20.64	20.50			
20	64QAM	1	49	20.56	20.51	20.49	22	2	
20	64QAM	1	99	20.56	20.58	20.53			
20	64QAM	50	0	19.72	19.84	19.71			
20	64QAM	50	24	19.77	19.73	19.69	21	3	
20	64QAM	50	50	19.78	19.77	19.73			
20	64QAM	100	0	19.63	19.76	19.60			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500	3542.5			
15	QPSK	1	0	22.67	22.85	22.57	24	0	
15	QPSK	1	37	22.80	22.71	22.52			
15	QPSK	1	74	22.46	22.69	22.48			
15	QPSK	36	0	21.73	21.84	21.73	23	1	
15	QPSK	36	20	21.51	21.74	21.56			
15	QPSK	36	39	21.59	21.70	21.52			
15	QPSK	75	0	21.68	21.77	21.57	23	1	
15	16QAM	1	0	21.61	21.82	21.54			
15	16QAM	1	37	21.59	21.74	21.62			
15	16QAM	1	74	21.65	21.76	21.59	22	2	
15	16QAM	36	0	20.72	20.84	20.64			
15	16QAM	36	20	20.71	20.70	20.55			
15	16QAM	36	39	20.67	20.67	20.57	22	2	
15	16QAM	75	0	20.71	20.68	20.49			
15	64QAM	1	0	20.44	20.58	20.41			
15	64QAM	1	37	20.49	20.39	20.46	22	2	
15	64QAM	1	74	20.45	20.51	20.42			
15	64QAM	36	0	19.64	19.80	19.67			
15	64QAM	36	20	19.62	19.63	19.63	21	3	
15	64QAM	36	39	19.71	19.72	19.59			
15	64QAM	75	0	19.57	19.65	19.56			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	22.77	22.76	22.65	24	0	
10	QPSK	1	25	22.63	22.77	22.54			
10	QPSK	1	49	22.46	22.63	22.53			
10	QPSK	25	0	21.72	21.73	21.67	23	1	
10	QPSK	25	12	21.54	21.71	21.50			
10	QPSK	25	25	21.52	21.66	21.46			
10	QPSK	50	0	21.59	21.72	21.58	23	1	
10	16QAM	1	0	21.71	21.76	21.50			
10	16QAM	1	25	21.60	21.78	21.60			
10	16QAM	1	49	21.68	21.65	21.63	22	2	
10	16QAM	25	0	20.78	20.77	20.54			
10	16QAM	25	12	20.73	20.76	20.64			
10	16QAM	25	25	20.70	20.63	20.59	22	2	
10	16QAM	50	0	20.65	20.71	20.42			
10	64QAM	1	0	20.45	20.51	20.38			
10	64QAM	1	25	20.51	20.45	20.34	22	2	
10	64QAM	1	49	20.44	20.46	20.39			
10	64QAM	25	0	19.65	19.81	19.63			
10	64QAM	25	12	19.68	19.65	19.61	21	3	
10	64QAM	25	25	19.71	19.64	19.61			
10	64QAM	50	0	19.58	19.72	19.48			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500	3542.5			
5	QPSK	1	0	22.73	22.77	22.55	24	0	
5	QPSK	1	12	22.68	22.76	22.57			
5	QPSK	1	24	22.54	22.64	22.49			
5	QPSK	12	0	21.67	21.79	21.62	23	1	
5	QPSK	12	7	21.52	21.72	21.58			
5	QPSK	12	13	21.54	21.59	21.55			
5	QPSK	25	0	21.62	21.68	21.61	23	1	
5	16QAM	1	0	21.64	21.77	21.60			
5	16QAM	1	12	21.63	21.71	21.64			
5	16QAM	1	24	21.70	21.68	21.62	22	2	
5	16QAM	12	0	20.69	20.79	20.54			
5	16QAM	12	7	20.73	20.72	20.55			
5	16QAM	12	13	20.67	20.73	20.62	22	2	
5	16QAM	25	0	20.66	20.68	20.44			
5	64QAM	1	0	20.47	20.57	20.41			
5	64QAM	1	12	20.45	20.37	20.35	22	2	
5	64QAM	1	24	20.48	20.53	20.45			
5	64QAM	12	0	19.61	19.74	19.66			
5	64QAM	12	7	19.66	19.65	19.64	21	3	
5	64QAM	12	13	19.74	19.62	19.61			
5	64QAM	25	0	19.54	19.61	19.45			

Reduced Power Mode for DSI2

Band 7 DSI2 NSA Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							21	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.45	19.57	19.53	21	0
20	QPSK	1	49	19.41	19.49	19.43		
20	QPSK	1	99	19.42	19.52	19.47		
20	QPSK	50	0	19.49	19.53	19.46		
20	QPSK	50	24	19.32	19.41	19.34	21	0
20	QPSK	50	50	19.36	19.45	19.39		
20	QPSK	100	0	19.40	19.45	19.33		
20	16QAM	1	0	19.44	19.54	19.48		
20	16QAM	1	49	19.41	19.54	19.45	21	0
20	16QAM	1	99	19.41	19.48	19.33		
20	16QAM	50	0	19.49	19.54	19.45		
20	16QAM	50	24	19.43	19.51	19.44		
20	16QAM	50	50	19.40	19.52	19.43	21	0
20	16QAM	100	0	19.33	19.46	19.35		
20	64QAM	1	0	19.37	19.41	19.26		
20	64QAM	1	49	19.36	19.46	19.32		
20	64QAM	1	99	19.41	19.53	19.39	21	0
20	64QAM	50	0	19.35	19.44	19.29		
20	64QAM	50	24	19.25	19.38	19.26		
20	64QAM	50	50	19.24	19.32	19.19		
20	64QAM	100	0	19.31	19.41	19.32		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20625	21100	21375		
15	QPSK	1	0	19.41	19.52	19.42	21	0
15	QPSK	1	37	19.30	19.44	19.36		
15	QPSK	1	74	19.36	19.38	19.37		
15	QPSK	36	0	19.35	19.48	19.32		
15	QPSK	36	20	19.29	19.35	19.30	21	0
15	QPSK	36	39	19.29	19.33	19.34		
15	QPSK	75	0	19.27	19.35	19.25		
15	16QAM	1	0	19.34	19.40	19.39		
15	16QAM	1	37	19.38	19.46	19.35	21	0
15	16QAM	1	74	19.34	19.36	19.20		
15	16QAM	36	0	19.38	19.47	19.36		
15	16QAM	36	20	19.33	19.46	19.31		
15	16QAM	36	39	19.26	19.46	19.29	21	0
15	16QAM	75	0	19.20	19.36	19.24		
15	64QAM	1	0	19.28	19.31	19.21		
15	64QAM	1	37	19.26	19.40	19.28		
15	64QAM	1	74	19.38	19.38	19.32	21	0
15	64QAM	36	0	19.25	19.29	19.26		
15	64QAM	36	20	19.22	19.33	19.21		
15	64QAM	36	39	19.21	19.29	19.13		
15	64QAM	75	0	19.24	19.37	19.21		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20800 <th>21100<th>21400</th></th>	21100 <th>21400</th>	21400		
10	QPSK	1	0	19.31	19.53	19.43	21	0
10	QPSK	1	25	19.30	19.35	19.36		
10	QPSK	1	49	19.30	19.46	19.43		
10	QPSK	25	0	19.37	19.45	19.41		
10	QPSK	25	12	19.23	19.32	19.20	21	0
10	QPSK	25	25	19.23	19.36	19.24		
10	QPSK	50	0	19.28	19.35	19.20		
10	16QAM	1	0	19.35	19.41	19.35		
10	16QAM	1	25	19.36	19.41	19.34	21	0
10	16QAM	1	49	19.29	19.44	19.23		
10	16QAM	25	0	19.41	19.48	19.34		
10	16QAM	25	12	19.31	19.42	19.36		
10	16QAM	25	25	19.30	19.42	19.33	21	0
10	16QAM	50	0	19.23	19.33	19.24		
10	64QAM	1	0	19.33	19.35	19.22		
10	64QAM	1	25	19.24	19.41	19.23		
10	64QAM	1	49	19.26	19.39	19.24	21	0
10	64QAM	25	0	19.23	19.40	19.17		
10	64QAM	25	12	19.13	19.31	19.19		
10	64QAM	25	25	19.21	19.18	19.09		
10	64QAM	50	0	19.20	19.35	19.19		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20775 <th>21100</th> <th>21425</th>	21100	21425		
5	QPSK	1	0	19.41	19.53	19.44	21	0
5	QPSK	1	12	19.30	19.37	19.30		
5	QPSK	1	24	19.33	19.46	19.35		
5	QPSK	12	0	19.45	19.42	19.33		
5	QPSK	12	7	19.18	19.38	19.23	21	0
5	QPSK	12	13	19.32	19.40	19.36		
5	QPSK	25	0	19.25	19.38	19.20		
5	16QAM	1	0	19.32	19.47	19.34		
5	16QAM	1	12	19.29	19.45	19.32	21	0
5	16QAM	1	24	19.36	19.44	19.21		
5	16QAM	12	0	19.36	19.45	19.41		
5	16QAM	12	7	19.31	19.39	19.31		
5	16QAM	12	13	19.37	19.38	19.36	21	0
5	16QAM	25	0	19.24	19.40	19.21		
5	64QAM	1	0	19.29	19.28	19.15		
5	64QAM	1	12	19.32	19.36	19.24		
5	64QAM	1	24	19.33	19.38	19.27	21	0
5	64QAM	12	0	19.25	19.40	19.26		
5	64QAM	12	7	19.14	19.29	19.19		
5	64QAM	12	13	19.15	19.17	19.09		
5	64QAM	25	0	19.16	19.37	19.18		

Band 4 Ant4														
BW (MHz)	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	14.12	14.27	14.18	15.5	0						
20	QPSK	1	49	14.04	14.13	14.03								
20	QPSK	1	99	14.14	14.16	14.08								
20	QPSK	50	0	14.13	14.24	14.23	15.5	0						
20	QPSK	50	24	14.18	14.22	14.09								
20	QPSK	50	50	13.98	14.11	13.97								
20	QPSK	100	0	14.13	14.21	14.21	15.5	0						
20	16QAM	1	0	14.18	14.24	14.11								
20	16QAM	1	49	14.16	14.26	14.13								
20	16QAM	1	99	14.04	14.16	14.07	15.5	0						
20	16QAM	50	24	14.05	14.16	14.06								
20	16QAM	50	50	14.17	14.21	14.12								
20	16QAM	50	50	14.20	14.22	14.09	15.5	0						
20	16QAM	100	0	14.07	14.19	14.09								
20	64QAM	1	0	14.09	14.19	14.07								
20	64QAM	1	49	14.11	14.21	14.17	15.5	0						
20	64QAM	1	99	14.00	14.17	14.09								
20	64QAM	50	0	13.97	14.11	14.01								
20	64QAM	50	24	14.20	14.22	14.14	15.5	0						
20	64QAM	50	50	14.10	14.13	14.05								
20	64QAM	100	0	14.01	14.10	14.03								
Channel														
Frequency (MHz)														
15	QPSK	1	0	14.05	14.14	14.12	15.5	0						
15	QPSK	1	37	13.92	13.99	13.95								
15	QPSK	1	74	14.06	14.06	13.94								
15	QPSK	36	0	14.05	14.20	14.20	15.5	0						
15	QPSK	36	20	14.12	14.18	14.05								
15	QPSK	36	39	13.94	13.95	13.92								
15	QPSK	75	0	13.98	14.20	14.18	15.5	0						
15	16QAM	1	0	14.15	14.12	13.97								
15	16QAM	1	37	14.03	14.17	14.07								
15	16QAM	1	74	13.97	14.11	14.06	15.5	0						
15	16QAM	36	0	13.97	14.03	14.05								
15	16QAM	36	20	14.08	14.12	14.01								
15	16QAM	36	39	14.04	14.19	13.95	15.5	0						
15	16QAM	75	0	13.95	14.14	14.02								
15	84QAM	1	0	13.97	14.10	14.00								
15	84QAM	1	37	14.05	14.11	13.98	15.5	0						
15	84QAM	1	74	13.92	14.15	14.08								
15	84QAM	36	0	13.87	14.04	13.89								
15	84QAM	36	20	14.09	14.15	14.11	15.5	0						
15	84QAM	36	39	14.05	14.03	13.99								
15	84QAM	75	0	13.91	14.01	13.89								
Channel														
Frequency (MHz)														
10	QPSK	1	0	14.12	14.19	14.12	15.5	0						
10	QPSK	1	25	13.98	13.96	13.94								
10	QPSK	1	49	14.11	14.05	13.96								
10	QPSK	25	0	14.06	14.19	14.19	15.5	0						
10	QPSK	25	12	14.11	14.12	14.03								
10	QPSK	25	25	13.90	13.91	13.92								
10	QPSK	50	0	14.02	14.19	14.17	15.5	0						
10	16QAM	1	0	14.14	14.10	13.96								
10	16QAM	1	25	14.06	14.18	14.02								
10	16QAM	1	49	13.94	14.07	14.05	15.5	0						
10	16QAM	25	0	13.93	14.04	14.08								
10	16QAM	25	12	14.10	14.12	14.03								
10	16QAM	25	25	14.08	14.19	13.97	15.5	0						
10	16QAM	50	0	13.97	14.12	13.99								
10	64QAM	1	0	14.00	14.12	13.95								
10	64QAM	1	25	14.05	14.11	13.99	15.5	0						
10	64QAM	1	49	13.96	14.12	14.03								
10	64QAM	25	0	13.87	14.02	13.92								
10	64QAM	25	12	14.07	14.13	14.11	15.5	0						
10	64QAM	25	25	14.10	14.02	13.97								
10	64QAM	50	0	13.87	14.05	13.95								
Channel														
Frequency (MHz)														
5	QPSK	1	0	14.06	14.14	14.16	15.5	0						
5	QPSK	1	12	13.98	13.95	13.99								
5	QPSK	1	24	14.07	14.05	14.00								
5	QPSK	12	0	14.02	14.17	14.15	15.5	0						
5	QPSK	12	7	14.06	14.21	14.03								
5	QPSK	12	13	13.95	13.94	13.91								
5	QPSK	25	0	13.99	14.19	14.15	15.5	0						
5	16QAM	1	0	14.16	14.10	13.99								
5	16QAM	1	12	14.06	14.20	14.03								
5	16QAM	1	24	13.93	14.10	14.08	15.5	0						
5	16QAM	12	0	13.98	14.04	14.03								
5	16QAM	12	7	14.08	14.12	13.99								
5	16QAM	12	13	14.09	14.15	13.99	15.5	0						
5	16QAM	25	0	13.91	14.12	14.04								
5	84QAM	1	0	13.99	14.10	13.99								
5	84QAM	1	12	14.02	14.13	14.00	15.5	0						
5	84QAM	1	24	13.91	14.12	14.10								
5	84QAM	12	0	13.87	14.06	13.89								
5	84QAM	12	7	14.07	14.14	14.13	15.5	0						
5	84QAM	12	13	14.09	14.12	13.96								
5	84QAM	25	0	13.91	14.07	13.91								
Channel														
Frequency (MHz)														
3	QPSK	1	0	14.08	14.18	14.12	15.5	0						
3	QPSK	1	8	13.97	13.97	13.97								
3	QPSK	1	14	14.08	14.05	13.98								
3	QPSK	8	0	14.04	14.20	14.16	15.5	0						
3	QPSK	8	4	14.10	14.21	14.05								
3	QPSK	8	7	13.93	13.91	13.85	15.5	0						
3	QPSK	15	0	13.96	14.16	14.15								
3	16QAM	1	0	14.18	14.09	13.98								
3	16QAM	1	8	14.04	14.16	14.09	15.5	0						
3	16QAM	1	14	13.94	14.08	14.07								
3	16QAM	8	0	14.04	14.09	14.07								
3	16QAM	8	4	14.11	14.14	14.04	15.5	0						
3	16QAM	8	7	14.06	14.19	13.99								
3	16QAM	15	0	13.92	14.14	14.02								
3	64QAM	1	0	13.97	14.15	13.98	15.5	0						
3	64QAM	1	8	14.05	14.09	14.03								
3	64QAM	1	14	13.95	14.12	14.07								
3	64QAM	8	0	13.87	14.00	13.86	15.5	0						
3	64QAM	8	4	14.11	14.13	14.12								
3	64QAM	8	7	14.07	14.04	13.98								
3	64QAM	15	0	13.88	14.06	13.93	15.5	0						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	17.07	17.22	17.14	15.5	0						
1.4	QPSK	1	3	16.95	17.20	17.13								
1.4	QPSK	1	3	16.92	17.12	17.05								
1.4	QPSK	3	0	15.40	14.96	13.97	15.5	0						
1.4	QPSK	3	1	14.91	14.21	14.17								
1.4	QPSK	3	1	14.11	14.14	14.10								
1.4	QPSK	3	1	13.94	13.97	13.89	15.5	0						
1.4	QPSK	6	0	14.02	14.19	14.15								
1.4	16QAM	1	0	14.12	14.07	13.99								
1.4	16QAM	1	3	14.08	14.14	14.06	15.5	0						
1.4	16QAM	1	5	13.97	14.12	14.03								
1.4	16QAM	3	0	13.99	14.10	14.06								
1.4	16QAM	3	3	14.09	14.16	14.01	15.5	0						
1.4	16QAM	3	3	14.10	14.15	14.05								
1.4	16QAM	6	0	13.95	14.13	14.05								
1.4	64QAM	1	0	14.03	14.10	13.96	15.5	0						
1.4	64QAM	1	3	14.05	14.15	14.00								
1.4	64QAM	1	5	13.95	14.14	14.02								
1.4	64QAM	3	0	13.88	14.06	13.89	15.5	0						
1.4	64QAM	3	3	14.09	14.16	14.05								
1.4	64QAM	3	3	14.09	14.04	13.99								
1.4	64QAM	6	0	13.88	14.01	13.93	15.5	0						
1.4	64QAM	6	3	13.99	14.15	14.03								
1.4	64QAM	6	3	14.00	14.14	14.04								

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	19.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.59	18.64	18.50	19.5	0
20	QPSK	1	49	18.41	18.48	18.37		
20	QPSK	1	99	18.37	18.51	18.41		
20	QPSK	50	0	18.42	18.45	18.44	19.5	0
20	QPSK	50	24	18.31	18.41	18.32		
20	QPSK	50	50	18.38	18.47	18.39		
20	QPSK	100	0	18.41	18.53	18.38	19.5	0
20	16QAM	1	0	18.36	18.50	18.40		
20	16QAM	1	49	18.49	18.58	18.44		
20	16QAM	1	99	18.37	18.52	18.49	19.5	0
20	16QAM	50	0	18.34	18.48	18.33		
20	16QAM	50	24	18.48	18.53	18.44		
20	16QAM	50	50	18.48	18.54	18.44	19.5	0
20	16QAM	100	0	18.45	18.51	18.40		
20	64QAM	1	0	18.48	18.55	18.44		
20	64QAM	1	49	18.44	18.54	18.51	19.5	0
20	64QAM	1	99	18.43	18.46	18.32		
20	64QAM	50	0	18.29	18.42	18.35		
20	64QAM	50	24	18.42	18.49	18.46	19.5	0
20	64QAM	50	50	18.44	18.51	18.40		
20	64QAM	100	0	18.41	18.49	18.43		
Channel				42165	42590	43015	19.5	0
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.52	18.51	18.45	19.5	0
15	QPSK	1	37	18.34	18.44	18.24		
15	QPSK	1	74	18.26	18.38	18.35		
15	QPSK	36	0	18.30	18.38	18.33	19.5	0
15	QPSK	36	20	18.17	18.30	18.26		
15	QPSK	36	39	18.31	18.42	18.30		
15	QPSK	75	0	18.33	18.44	18.27	19.5	0
15	16QAM	1	0	18.27	18.39	18.33		
15	16QAM	1	37	18.35	18.50	18.31		
15	16QAM	1	74	18.25	18.39	18.35	19.5	0
15	16QAM	36	0	18.27	18.44	18.30		
15	16QAM	36	20	18.33	18.48	18.38		
15	16QAM	36	39	18.35	18.47	18.37	19.5	0
15	16QAM	75	0	18.34	18.46	18.31		
15	64QAM	1	0	18.44	18.41	18.33		
15	64QAM	1	37	18.38	18.50	18.46	19.5	0
15	64QAM	1	74	18.29	18.37	18.19		
15	64QAM	36	0	18.21	18.32	18.21		
15	64QAM	36	20	18.39	18.35	18.41	19.5	0
15	64QAM	36	39	18.33	18.48	18.28		
15	64QAM	75	0	18.34	18.38	18.39		
Channel				42140	42590	43040	19.5	0
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.45	18.59	18.43	19.5	0
10	QPSK	1	25	18.26	18.37	18.26		
10	QPSK	1	49	18.31	18.44	18.35		
10	QPSK	25	0	18.29	18.39	18.34	19.5	0
10	QPSK	25	12	18.19	18.32	18.25		
10	QPSK	25	25	18.30	18.38	18.27		
10	QPSK	50	0	18.26	18.40	18.23	19.5	0
10	16QAM	1	0	18.30	18.45	18.29		
10	16QAM	1	25	18.37	18.54	18.36		
10	16QAM	1	49	18.23	18.45	18.40	19.5	0
10	16QAM	25	0	18.28	18.45	18.30		
10	16QAM	25	12	18.42	18.38	18.36		
10	16QAM	25	25	18.37	18.41	18.34	19.5	0
10	16QAM	50	0	18.39	18.44	18.32		
10	64QAM	1	0	18.42	18.42	18.31		
10	64QAM	1	25	18.32	18.40	18.36	19.5	0
10	64QAM	1	49	18.34	18.42	18.29		
10	64QAM	25	0	18.20	18.36	18.22		
10	64QAM	25	12	18.32	18.41	18.40	19.5	0
10	64QAM	25	25	18.29	18.38	18.26		
10	64QAM	50	0	18.36	18.44	18.29		
Channel				42115	42590	43065	19.5	0
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.48	18.53	18.41	19.5	0
5	QPSK	1	12	18.33	18.34	18.31		
5	QPSK	1	24	18.27	18.43	18.32		
5	QPSK	12	0	18.34	18.38	18.35	19.5	0
5	QPSK	12	7	18.27	18.34	18.21		
5	QPSK	12	13	18.26	18.40	18.28		
5	QPSK	25	0	18.32	18.40	18.31	19.5	0
5	16QAM	1	0	18.31	18.38	18.28		
5	16QAM	1	12	18.37	18.47	18.33		
5	16QAM	1	24	18.34	18.38	18.40	19.5	0
5	16QAM	12	0	18.21	18.42	18.21		
5	16QAM	12	7	18.38	18.44	18.39		
5	16QAM	12	13	18.44	18.45	18.40	19.5	0
5	16QAM	25	0	18.36	18.39	18.34		
5	64QAM	1	0	18.34	18.42	18.39		
5	64QAM	1	12	18.39	18.48	18.42	19.5	0
5	64QAM	1	24	18.30	18.35	18.26		
5	64QAM	12	0	18.18	18.35	18.23		
5	64QAM	12	7	18.36	18.37	18.42	19.5	0
5	64QAM	12	13	18.41	18.38	18.27		
5	64QAM	25	0	18.26	18.38	18.40		

Reduced Power Mode for DSI7

GSM900 TX Channel	DSI7 SA GSM900 A+B						
	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)		
	126	186	251		126	186	251
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	29.15	29.21	29.06	30.50	20.15	20.21	20.06
GPRS 1 Tx slot	29.08	29.14	29.06	30.50	20.08	20.14	20.06
GPRS 2 Tx slots	28.16	28.21	28.13	28.50	22.16	22.21	22.13
GPRS 3 Tx slots	26.57	26.70	26.57	28.00	22.31	22.44	22.31
GPRS 4 Tx slots	25.68	25.73	25.69	27.00	22.68	22.73	22.69
EDGE 1 Tx slot	24.09	24.20	24.13	25.50	15.09	15.20	15.13
EDGE 2 Tx slots	23.16	23.19	23.11	24.50	17.16	17.19	17.11
EDGE 3 Tx slots	20.87	20.77	20.72	22.50	16.41	16.51	16.46
EDGE 4 Tx slots	19.37	19.47	19.42	21.00	16.37	16.47	16.42

DSI7 SA GSM1900 A+B							
GSM1900 Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
	512	661	810		512	661	810
Frequency (MHz)	1850.2	1850	1850.8	1850.2	1850	1850.8	
GSM 1 Tx slot	21.54	21.66	21.62	23.00	12.54	12.66	12.62
GPRS 1 Tx slot	21.45	21.58	21.51	23.00	12.45	12.58	12.51
GPRS 2 Tx slots	20.54	20.67	20.57	22.00	14.54	14.67	14.57
GPRS 3 Tx slots	19.10	19.10	19.06	20.50	14.74	14.84	14.80
GPRS 4 Tx slots	18.04	18.03	17.96	19.50	15.04	15.06	14.96
EDGE 1 Tx slot	18.00	18.14	18.03	19.50	9.04	9.14	9.03
EDGE 2 Tx slots	17.02	17.07	16.95	18.50	11.02	11.07	10.95
EDGE 3 Tx slots	15.53	15.62	15.54	17.00	11.27	11.36	11.28
EDGE 4 Tx slots	14.36	14.54	14.42	16.00	11.39	11.54	11.42

DS17 SA WCDMA II A+B				WCDMA II				DS17 SA WCDMA IV A+B				WCDMA IV				DS17 SA WCDMA V A+B				WCDMA V			
TX Channel		9262		9800		9538		Tune-up Limit (dBm)	1312		1413		1513		Tune-up Limit (dBm)	4132		4182		4233		Tune-up Limit (dBm)	
Rx Channel		9662		9600		9638			1557		1638		1718			4357		4407		4458			
Frequency (MHz)		1652.4		1680		1607.6			1712.4		1732.6		1752.6			820.4		836.4		846.6			
3GPP Rel 99	AMR 12.2kops	15.16	15.26	15.16	15.26	15.16	15.26	16.50	14.74	14.72	14.74	14.71	16.00	20.75	20.77	20.75	20.75	20.77	20.75	20.75	22.00		
3GPP Rel 99	RMC 12.2kops	15.22	15.31	15.26	15.31	15.26	15.31	16.50	14.70	14.66	14.74	14.74	16.00	20.82	20.83	20.75	22.00	20.82	20.75	22.00	22.00		
3GPP Rel 6	HSDPA Subtest-1	14.27	14.25	14.09	14.25	14.09	14.25	15.50	13.83	13.79	13.61	15.00	19.84	19.87	19.73	21.00	19.84	19.87	19.73	21.00	21.00		
3GPP Rel 6	HSDPA Subtest-2	14.35	14.33	14.22	14.35	14.22	14.35	15.50	13.88	13.83	13.68	15.00	19.67	19.66	19.61	21.00	19.67	19.66	19.61	21.00	21.00		
3GPP Rel 6	HSDPA Subtest-3	13.73	13.82	13.73	13.73	13.82	13.73	15.00	13.25	13.36	13.26	14.50	19.31	19.41	19.36	20.50	19.31	19.41	19.36	20.50	20.50		
3GPP Rel 6	HSDPA Subtest-4	13.75	13.80	13.82	13.75	13.80	13.82	15.00	13.26	13.33	13.35	14.50	19.40	19.44	19.41	20.50	19.40	19.44	19.41	20.50	20.50		
3GPP Rel 6	DC-HSDPA Subtest-1	14.28	14.20	14.24	14.28	14.20	14.24	15.50	13.75	13.67	13.80	15.00	19.67	19.78	19.82	21.00	19.67	19.78	19.82	21.00	21.00		
3GPP Rel 6	DC-HSDPA Subtest-2	14.25	14.23	14.25	14.25	14.23	14.25	15.50	13.71	13.71	13.62	15.00	19.68	19.67	19.64	21.00	19.68	19.67	19.64	21.00	21.00		
3GPP Rel 6	DC-HSDPA Subtest-3	13.78	13.77	13.84	13.78	13.77	13.84	15.00	13.26	13.31	13.35	14.50	19.38	19.41	19.45	20.50	19.38	19.41	19.45	20.50	20.50		
3GPP Rel 6	DC-HSDPA Subtest-4	13.75	13.86	13.84	13.75	13.86	13.84	15.00	13.24	13.38	13.40	14.50	19.37	19.43	19.44	20.50	19.37	19.43	19.44	20.50	20.50		
3GPP Rel 6	HSUPA Subtest-1	14.31	14.21	14.34	14.31	14.21	14.34	15.50	13.80	13.71	13.90	15.00	19.67	19.69	19.69	21.00	19.67	19.69	19.69	21.00	21.00		
3GPP Rel 6	HSUPA Subtest-2	12.21	12.23	12.38	12.21	12.23	12.38	13.50	11.68	11.72	11.85	13.00	17.79	17.79	17.89	17.98	17.79	17.79	17.89	17.98	19.00		
3GPP Rel 6	HSUPA Subtest-3	13.18	13.32	13.39	13.18	13.32	13.39	14.50	12.71	12.85	12.96	14.00	19.62	19.51	19.62	20.00	19.62	19.51	19.62	20.00	20.00		
3GPP Rel 6	HSUPA Subtest-4	12.35	12.30	12.27	12.35	12.30	12.27	13.50	11.87	11.76	11.81	13.00	17.96	17.95	17.87	19.00	17.96	17.95	17.87	19.00	19.00		
3GPP Rel 6	HSUPA Subtest-5	14.27	14.24	14.26	14.27	14.24	14.26	15.50	13.74	13.76	13.77	15.00	19.96	19.93	19.98	21.00	19.96	19.93	19.98	21.00	21.00		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.89	11.82	11.83	11.89	11.82	11.83	13.00	11.40	11.39	11.34	12.50	17.49	17.45	17.39	18.50	17.49	17.45	17.39	18.50	18.50		

Band 2 DS17 SA

BW (MHz)	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	14.85	14.98	14.94	16.5	0
20	QPSK	1	49	14.73	14.85	14.92		
20	QPSK	1	99	14.76	14.86	14.86		
20	QPSK	50	0	14.89	14.93	14.91	16.5	0
20	QPSK	50	24	14.70	14.81	14.82		
20	QPSK	50	50	14.81	14.89	14.87		
20	QPSK	100	0	14.88	14.89	14.71	16.5	0
20	16QAM	1	0	14.77	14.89	14.85		
20	16QAM	1	49	14.72	14.93	14.88		
20	16QAM	1	99	14.81	14.84	14.83	16.5	0
20	16QAM	50	0	14.72	14.85	14.86		
20	16QAM	50	24	14.75	14.90	14.84		
20	16QAM	50	50	14.72	14.82	14.87	16.5	0
20	16QAM	100	0	14.77	14.83	14.82		
20	64QAM	1	0	14.74	14.88	14.78	16.5	0
20	64QAM	1	49	14.71	14.93	14.89		
20	64QAM	1	99	14.72	14.93	14.80		
20	64QAM	50	0	14.82	14.85	14.79	16.5	0
20	64QAM	50	24	14.72	14.88	14.92		
20	64QAM	50	50	14.74	14.90	14.91		
20	64QAM	100	0	14.83	14.93	14.89	16.5	0
Channel				19675	19800	19925	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1980	1990.5		
15	QPSK	1	0	14.73	14.89	14.92	16.5	0
15	QPSK	1	37	14.68	14.82	14.77		
15	QPSK	1	74	14.64	14.72	14.80		
15	QPSK	36	0	14.85	14.80	14.88	16.5	0
15	QPSK	36	20	14.59	14.84	14.76		
15	QPSK	36	39	14.69	14.82	14.73		
15	QPSK	75	0	14.76	14.75	14.67	16.5	0
15	16QAM	1	0	14.68	14.78	14.77		
15	16QAM	1	37	14.65	14.84	14.85		
15	16QAM	1	74	14.71	14.76	14.73	16.5	0
15	16QAM	36	0	14.57	14.81	14.70		
15	16QAM	36	20	14.72	14.77	14.74		
15	16QAM	36	39	14.57	14.74	14.74	16.5	0
15	16QAM	75	0	14.63	14.80	14.76		
15	64QAM	1	0	14.58	14.83	14.84		
15	64QAM	1	37	14.67	14.87	14.85	16.5	0
15	64QAM	1	74	14.68	14.82	14.72		
15	64QAM	36	0	14.80	14.75	14.72		
15	64QAM	36	20	14.58	14.81	14.77	16.5	0
15	64QAM	36	39	14.66	14.82	14.78		
15	64QAM	75	0	14.73	14.86	14.81		
Channel				19825	19900	19950	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1980	1995		
10	QPSK	1	0	14.74	14.84	14.91	16.5	0
10	QPSK	1	25	14.59	14.77	14.81		
10	QPSK	1	49	14.70	14.82	14.75		
10	QPSK	25	0	14.83	14.85	14.78	16.5	0
10	QPSK	25	12	14.57	14.80	14.76		
10	QPSK	25	25	14.67	14.83	14.81		
10	QPSK	50	0	14.85	14.86	14.58	16.5	0
10	16QAM	1	0	14.75	14.73	14.72		
10	16QAM	1	25	14.61	14.89	14.77		
10	16QAM	1	49	14.66	14.71	14.79	16.5	0
10	16QAM	25	0	14.57	14.73	14.84		
10	16QAM	25	12	14.66	14.78	14.69		
10	16QAM	25	25	14.70	14.79	14.80	16.5	0
10	16QAM	50	0	14.68	14.81	14.80		
10	64QAM	1	0	14.69	14.86	14.71		
10	64QAM	1	25	14.62	14.78	14.86	16.5	0
10	64QAM	1	49	14.64	14.84	14.70		
10	64QAM	25	0	14.66	14.70	14.70		
10	64QAM	25	12	14.66	14.73	14.88	16.5	0
10	64QAM	25	25	14.59	14.76	14.85		
10	64QAM	50	0	14.80	14.91	14.74		
Channel				19825	19800	19975	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	19800	1997.5		
5	QPSK	1	0	14.77	14.92	14.84	16.5	0
5	QPSK	1	12	14.63	14.75	14.78		
5	QPSK	1	24	14.60	14.75	14.78		
5	QPSK	12	0	14.76	14.90	14.88	16.5	0
5	QPSK	12	7	14.62	14.79	14.75		
5	QPSK	12	13	14.76	14.84	14.74		
5	QPSK	25	0	14.84	14.80	14.55	16.5	0
5	16QAM	1	0	14.63	14.79	14.80		
5	16QAM	1	12	14.58	14.83	14.79		
5	16QAM	1	24	14.78	14.76	14.75	16.5	0
5	16QAM	12	0	14.66	14.81	14.71		
5	16QAM	12	7	14.67	14.83	14.72		
5	16QAM	12	13	14.65	14.78	14.80	16.5	0
5	16QAM	25	0	14.61	14.72	14.72		
5	64QAM	1	0	14.63	14.79	14.76		
5	64QAM	1	12	14.60	14.85	14.76	16.5	0
5	64QAM	1	24	14.66	14.79	14.74		
5	64QAM	12	0	14.69	14.71	14.69		
5	64QAM	12	7	14.59	14.83	14.80	16.5	0
5	64QAM	12	13	14.64	14.82	14.84		
5	64QAM	25	0	14.70	14.88	14.81		
Channel				19815	19900	19985	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	19800	1998.5		
3	QPSK	1	0	14.69	14.83	14.85	16.5	0
3	QPSK	1	8	14.58	14.80	14.78		
3	QPSK	1	14	14.72	14.81	14.75		
3	QPSK	8	0	14.79	14.87	14.87	16.5	0
3	QPSK	8	4	14.60	14.84	14.77		
3	QPSK	8	7	14.75	14.77	14.80		
3	QPSK	15	0	14.83	14.74	14.68	16.5	0
3	16QAM	1	0	14.65	14.74	14.71		
3	16QAM	1	8	14.67	14.78	14.76		
3	16QAM	1	14	14.71	14.77	14.74	16.5	0
3	16QAM	8	0	14.70	14.72	14.79		
3	16QAM	8	4	14.59	14.76	14.68		
3	16QAM	8	7	14.60	14.69	14.73	16.5	0
3	16QAM	15	0	14.64	14.74	14.73		
3	64QAM	1	0	14.70	14.82	14.68		
3	64QAM	1	8	14.69	14.91	14.83	16.5	0
3	64QAM	1	14	14.63	14.81	14.66		
3	64QAM	8	0	14.69	14.74	14.66		
3	64QAM	8	4	14.69	14.79	14.86	16.5	0
3	64QAM	8	7	14.65	14.85	14.85		
3	64QAM	15	0	14.68	14.78	14.85		
Channel				19907	19900	19993	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	19800	19993		
1.4	QPSK	1	0	14.76	14.86	14.87	16.5	0
1.4	QPSK	1	3	14.71	14.73	14.81		
1.4	QPSK	1	5	14.73	14.81	14.77		
1.4	QPSK	3	0	14.83	14.83	14.89	16.5	0
1.4	QPSK	3	1	14.80	14.89	14.73		
1.4	QPSK	3	3	14.76	14.80	14.77		
1.4	QPSK	6	0	14.78	14.81	14.83	16.5	0
1.4	16QAM	1	0	14.74	14.84	14.70		
1.4	16QAM	1	3	14.65	14.76	14.84		
1.4	16QAM	1	5	14.73	14.69	14.73	16.5	0
1.4	16QAM	3	0	14.60	14.72	14.71		
1.4	16QAM	3	1	14.70	14.83	14.70		
1.4	16QAM	3	3	14.57	14.78	14.77	16.5	0
1.4	16QAM	6	0	14.62	14.78	14.75		
1.4	64QAM	1	0	14.58	14.81	14.69		
1.4	64QAM	1	3	14.66	14.88	14.87	16.5	0
1.4	64QAM	1	5	14.58	14.76	14.64		
1.4	64QAM	3	0	14.66	14.70	14.67		
1.4	64QAM	3	1	14.57	14.72	14.77	16.5	0
1.4	64QAM	3	3	14.59	14.78	14.80		
1.4	64QAM	6	0	14.69	14.80	14.80		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	15.05	15.26	15.13	16.5	0
20	QPSK	1	49	14.94	15.21	15.00		
20	QPSK	1	99	14.82	15.18	15.07		
20	QPSK	50	0	15.19	15.24	15.22	16.5	0
20	QPSK	50	24	14.99	15.10	15.10		
20	QPSK	50	50	14.83	15.11	15.01		
20	QPSK	100	0	15.11	15.20	15.17	16.5	0
20	16QAM	1	0	14.90	15.21	14.99		
20	16QAM	1	49	14.94	15.16	15.02		
20	16QAM	1	99	14.91	15.23	15.10	16.5	0
20	16QAM	50	0	14.87	15.18	15.03		
20	16QAM	50	24	15.00	15.20	15.04		
20	16QAM	50	50	15.02	15.13	15.07	16.5	0
20	16QAM	100	0	14.94	15.21	15.07		
20	64QAM	1	0	14.89	15.19	15.06		
20	64QAM	1	49	14.95	15.14	15.06	16.5	0
20	64QAM	1	99	14.88	15.16	15.01		
20	64QAM	50	0	14.90	15.12	15.01		
20	64QAM	50	24	14.90	15.17	15.08	16.5	0
20	64QAM	50	50	15.02	15.23	15.03		
20	64QAM	100	0	14.98	15.16	15.03		
Channel								
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
				1717.5	1732.5	1747.5		
15	QPSK	1	0	15.03	15.14	15.08	16.5	0
15	QPSK	1	37	14.81	15.11	14.97		
15	QPSK	1	74	14.85	15.11	15.03		
15	QPSK	36	0	15.09	15.14	15.19	16.5	0
15	QPSK	36	20	14.85	15.07	15.04		
15	QPSK	36	39	14.87	14.99	14.98		
15	QPSK	75	0	14.98	15.13	15.13	16.5	0
15	16QAM	1	0	14.87	15.08	14.84		
15	16QAM	1	37	14.80	15.12	14.88		
15	16QAM	1	74	14.88	15.08	14.99	16.5	0
15	16QAM	36	0	14.84	15.03	14.94		
15	16QAM	36	20	14.94	15.13	14.97		
15	16QAM	36	39	14.89	14.97	14.92	16.5	0
15	16QAM	75	0	14.84	15.09	14.85		
15	64QAM	1	0	14.77	15.11	14.85		
15	64QAM	1	37	14.91	15.04	14.85	16.5	0
15	64QAM	1	74	14.85	15.13	14.92		
15	64QAM	36	0	14.89	14.99	15.00		
15	64QAM	36	20	14.81	15.13	15.04	16.5	0
15	64QAM	36	39	14.84	15.11	14.84		
15	64QAM	75	0	14.89	15.03	14.83		
Channel								
Frequency (MHz)				1715 <th>1732.5<th>1750<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	1732.5 <th>1750<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1750 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
				1715	1732.5	1750		
10	QPSK	1	0	14.94	15.15	15.07	16.5	0
10	QPSK	1	25	14.90	15.09	14.87		
10	QPSK	1	49	14.84	15.04	15.00		
10	QPSK	25	0	15.10	15.16	15.10	16.5	0
10	QPSK	25	12	14.88	15.03	14.94		
10	QPSK	25	26	14.80	15.07	14.88		
10	QPSK	80	0	15.08	15.11	15.12	16.5	0
10	16QAM	1	0	14.75	15.08	14.91		
10	16QAM	1	25	14.87	15.10	14.83		
10	16QAM	1	49	14.84	15.15	14.95	16.5	0
10	16QAM	25	0	15.00	15.05	14.89		
10	16QAM	25	12	14.92	15.14	14.99		
10	16QAM	25	25	14.88	15.06	14.98	16.5	0
10	16QAM	50	0	14.90	15.15	15.01		
10	64QAM	1	0	14.86	15.16	15.04		
10	64QAM	1	25	14.85	15.02	15.00	16.5	0
10	64QAM	1	49	14.90	15.05	14.97		
10	64QAM	25	0	14.93	14.87	14.92		
10	64QAM	25	12	14.85	15.07	15.01	16.5	0
10	64QAM	25	25	14.96	15.09	14.95		
10	64QAM	25	25	14.95	15.20	14.83		
10	64QAM	50	0	14.94	15.04	14.97		
Channel								
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
				1712.5	1732.5	1752.5		
5	QPSK	1	0	14.98	15.14	14.97	16.5	0
5	QPSK	1	12	14.80	15.08	14.94		
5	QPSK	1	24	14.80	15.15	14.91		
5	QPSK	12	0	15.07	15.12	15.14	16.5	0
5	QPSK	12	7	14.88	15.08	14.95		
5	QPSK	12	13	14.80	15.02	14.92		
5	QPSK	25	0	14.97	15.13	15.14	16.5	0
5	16QAM	1	0	14.79	15.08	14.95		
5	16QAM	1	12	14.80	15.06	14.99		
5	16QAM	1	24	14.76	15.09	15.01	16.5	0
5	16QAM	12	0	14.88	15.08	14.92		
5	16QAM	12	7	14.95	15.08	14.89		
5	16QAM	12	13	14.92	15.03	15.01	16.5	0
5	16QAM	25	0	14.83	15.16	15.02		
5	64QAM	1	0	14.74	15.06	14.99		
5	64QAM	1	12	14.80	15.08	15.00	16.5	0
5	64QAM	1	24	14.74	15.11	14.94		
5	64QAM	12	0	14.90	15.02	15.00		
5	64QAM	12	7	14.82	15.07	14.99	16.5	0
5	64QAM	12	13	14.94	15.10	14.89		
5	64QAM	25	0	14.85	15.05	14.91		
Channel								
Frequency (MHz)				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
				1711.5	1732.5	1753.5		
3	QPSK	1	0	15.02	15.11	15.05	16.5	0
3	QPSK	1	5	14.86	15.13	14.86		
3	QPSK	1	14	14.81	15.08	14.94		
3	QPSK	8	0	15.11	15.21	15.08	16.5	0
3	QPSK	8	4	14.89	14.95	14.94		
3	QPSK	8	7	14.79	14.96	14.92		
3	QPSK	15	0	15.06	15.08	15.13	16.5	0
3	16QAM	1	0	14.85	15.14	14.94		
3	16QAM	1	8	14.79	15.07	14.95		
3	16QAM	1	14	14.85	15.19	15.08	16.5	0
3	16QAM	8	0	14.90	15.09	14.91		
3	16QAM	8	4	14.86	15.04	14.94		
3	64QAM	8	7	14.90	15.06	15.00	16.5	0
3	64QAM	15	0	14.89	15.16	15.05		
3	64QAM	1	0	14.74	15.04	14.91		
3	64QAM	1	8	14.87	15.08	14.97	16.5	0
3	64QAM	1	14	14.85	15.08	14.89		
3	64QAM	8	0	14.95	15.04	15.01		
3	64QAM	8	4	14.81	15.03	15.06	16.5	0
3	64QAM	8	7	14.98	15.12	14.91		
3	64QAM	15	0	14.82	15.07	14.96		
Channel								
Frequency (MHz)				19967	20175	20393	Tune-up limit (dBm)	MPR (dB)
				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	14.95	15.19	14.99	16.5	0
1.4	QPSK	1	3	14.89	15.17	14.87		
1.4	QPSK	1	5	14.77	15.09	15.00		
1.4	QPSK	3	0	15.16	15.17	15.07	16.5	0
1.4	QPSK	3	1	14.88	14.98	14.96		
1.4	QPSK	3	3	14.86	15.04	14.98		
1.4	QPSK	8	0	14.98	15.07	15.12	16.5	0
1.4	16QAM	1	0	14.82	15.14	14.94		
1.4	16QAM	1	3	14.82	15.09	14.92		
1.4	16QAM	1	5	14.88	15.16	15.02	16.5	0
1.4	16QAM	3	0	14.82	15.03	14.87		
1.4	16QAM	3	1	14.93	15.17	14.93		
1.4	16QAM	3	3	14.80	14.96	14.99	16.5	0
1.4	16QAM	6	0	14.88	15.07	15.01		
1.4	64QAM	1	0	14.84	15.11	14.99		
1.4	64QAM	1	3	14.86	15.03	15.03	16.5	0
1.4	64QAM	1	5	14.80	15.00	14.94		
1.4	64QAM	3	0	14.99	15.06	14.92		
1.4	64QAM	3	1	14.80	15.04	14.94	16.5	0
1.4	64QAM	3	3	14.96	15.15	14.97		
1.4	64QAM	6	0	14.94	15.10	14.98		

Band 13 DS17 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPRR (db)	
Channel				23230			Tune-up limit (dbm)	MPRR (db)	
Frequency (MHz)				782					
10	QPSK	1	0		22.03		23.5	0	
10	QPSK	1	25		21.92				
10	QPSK	1	49		21.97				
10	QPSK	25	0		21.48		23	0.5	
10	QPSK	25	12		21.44				
10	QPSK	25	25		21.41				
10	QPSK	50	0		21.42		23	0.5	
10	16QAM	1	0		21.62				
10	16QAM	1	25		21.56				
10	16QAM	1	49		21.58		22	1.5	
10	16QAM	25	0		20.48				
10	16QAM	25	12		20.43				
10	16QAM	25	25		20.35		22	1.5	
10	16QAM	50	0		20.45				
10	64QAM	1	0		20.51				
10	64QAM	1	25		20.47		22	1.5	
10	64QAM	1	49		20.38				
10	64QAM	25	0		19.45				
10	64QAM	25	12		19.35		21	2.5	
10	64QAM	25	25		19.34				
10	64QAM	50	0		19.41				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPRR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.90	21.90	21.84	23.5	0	
5	QPSK	1	12	21.89	21.89	21.84			
5	QPSK	1	24	21.87	21.92	21.83			
5	QPSK	12	0	21.42	21.38	21.34	23	0.5	
5	QPSK	12	7	21.33	21.31	21.36			
5	QPSK	12	13	21.32	21.27	21.28			
5	QPSK	25	0	21.31	21.33	21.38	23	0.5	
5	16QAM	1	0	21.56	21.57	21.51			
5	16QAM	1	12	21.50	21.43	21.50			
5	16QAM	1	24	21.45	21.45	21.46	22	1.5	
5	16QAM	12	0	20.38	20.38	20.40			
5	16QAM	12	7	20.34	20.31	20.30			
5	16QAM	12	13	20.20	20.22	20.31	22	1.5	
5	16QAM	25	0	20.31	20.38	20.36			
5	64QAM	1	0	20.38	20.48	20.43			
5	64QAM	1	12	20.38	20.34	20.41	22	1.5	
5	64QAM	1	24	20.24	20.34	20.25			
5	64QAM	12	0	19.41	19.39	19.37			
5	64QAM	12	7	19.20	19.23	19.20	21	2.5	
5	64QAM	12	13	19.27	19.20	19.26			
5	64QAM	25	0	19.31	19.35	19.32			

Band 26 DS17 Ant0 SA												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)				
Channel												
Frequency (MHz)												
821.5 831.5 841.5												
15	QPSK	1	0	20.95	21.06	21.01	22.5	0				
15	QPSK	1	37	20.90	21.04	20.91						
15	QPSK	1	74	20.88	20.98	20.83						
15	QPSK	36	0	20.93	21.04	21.03	22.5	0				
15	QPSK	36	20	20.86	20.98	20.93						
15	QPSK	36	39	20.92	20.96	20.84						
15	QPSK	75	0	20.97	21.04	21.03	22.5	0				
15	16QAM	1	0	20.92	20.98	20.96						
15	16QAM	1	37	20.88	21.03	20.94						
15	16QAM	1	74	20.93	20.99	20.90	22	0.5				
15	16QAM	36	0	20.42	20.54	20.45						
15	16QAM	36	20	20.38	20.50	20.42						
15	16QAM	36	39	20.47	20.51	20.38	22	0.5				
15	16QAM	75	0	20.37	20.50	20.40						
15	64QAM	1	0	20.60	20.65	20.57						
15	64QAM	1	37	20.64	20.68	20.62	22	0.5				
15	64QAM	1	74	20.47	20.59	20.51						
15	64QAM	36	0	19.39	19.53	19.44						
15	64QAM	36	20	19.50	19.55	19.48	21	1.5				
15	64QAM	36	39	19.34	19.44	19.33						
15	64QAM	75	0	19.44	19.47	19.34						
Channel												
Frequency (MHz)												
819 831.5 844												
10	QPSK	1	0	20.95	21.01	20.92	22.5	0				
10	QPSK	1	25	20.86	21.00	20.84						
10	QPSK	1	49	20.83	20.98	20.83						
10	QPSK	25	0	20.92	20.95	20.97	22.5	0				
10	QPSK	25	12	20.82	20.91	20.90						
10	QPSK	25	25	20.87	20.87	20.74						
10	QPSK	50	0	20.92	21.01	21.02	22.5	0				
10	16QAM	1	0	20.88	20.94	20.92						
10	16QAM	1	25	20.88	21.02	20.92						
10	16QAM	1	49	20.91	20.93	20.86	22	0.5				
10	16QAM	25	0	20.36	20.42	20.33						
10	16QAM	25	12	20.35	20.42	20.31						
10	16QAM	25	25	20.40	20.44	20.28	22	0.5				
10	16QAM	50	0	20.32	20.42	20.26						
10	64QAM	1	0	20.52	20.60	20.46						
10	64QAM	1	25	20.55	20.60	20.56	22	0.5				
10	64QAM	1	49	20.37	20.44	20.44						
10	64QAM	25	0	19.32	19.49	19.36	21	1.5				
10	64QAM	25	12	19.39	19.43	19.45						
10	64QAM	25	25	19.20	19.31	19.21						
10	64QAM	50	0	19.41	19.38	19.22	21	1.5				
Channel												
Frequency (MHz)												
816.5 831.5 846.5												
5	QPSK	1	0	20.92	21.00	20.94	22.5	0				
5	QPSK	1	12	20.81	21.01	20.83						
5	QPSK	1	24	20.85	20.95	20.77						
5	QPSK	12	0	20.87	21.02	20.98	22.5	0				
5	QPSK	12	7	20.82	20.88	20.92						
5	QPSK	12	13	20.86	20.91	20.83						
5	QPSK	25	0	20.87	20.99	21.01	22.5	0				
5	16QAM	1	0	20.86	20.97	20.93						
5	16QAM	1	12	20.78	20.98	20.85						
5	16QAM	1	24	20.88	20.91	20.82	22	0.5				
5	16QAM	12	0	20.30	20.42	20.39						
5	16QAM	12	7	20.34	20.39	20.29						
5	16QAM	12	13	20.39	20.48	20.29	22	0.5				
5	16QAM	25	0	20.32	20.44	20.30						
5	64QAM	1	0	20.46	20.62	20.42						
5	64QAM	1	12	20.57	20.63	20.47	22	0.5				
5	64QAM	1	24	20.40	20.46	20.41						
5	64QAM	12	0	19.30	19.38	19.30						
5	64QAM	12	7	19.42	19.44	19.39	21	1.5				
5	64QAM	12	13	19.25	19.31	19.27						
5	64QAM	25	0	19.35	19.39	19.19						
Channel												
Frequency (MHz)												
815.5 831.5 847.5												
3	QPSK	1	0	20.87	20.99	20.98	22.5	0				
3	QPSK	1	8	20.86	20.91	20.86						
3	QPSK	1	14	20.86	20.91	20.82						
3	QPSK	8	0	20.87	20.99	20.96	22.5	0				
3	QPSK	8	4	20.86	20.93	20.88						
3	QPSK	8	7	20.92	20.96	20.84						
3	QPSK	15	0	20.89	20.95	20.99	22.5	0				
3	16QAM	1	0	20.86	20.91	20.89						
3	16QAM	1	8	20.79	20.95	20.89						
3	16QAM	1	14	20.90	20.89	20.86	22	0.5				
3	16QAM	8	0	20.35	20.40	20.31						
3	16QAM	8	4	20.25	20.45	20.33						
3	16QAM	8	7	20.39	20.39	20.29	22	0.5				
3	16QAM	15	0	20.29	20.39	20.37						
3	64QAM	1	0	20.57	20.67	20.55						
3	64QAM	1	8	20.57	20.60	20.55	22	0.5				
3	64QAM	1	14	20.44	20.53	20.40						
3	64QAM	8	0	19.24	19.47	19.30						
3	64QAM	8	4	19.38	19.48	19.37	21	1.5				
3	64QAM	8	7	19.31	19.29	19.24						
3	64QAM	15	0	19.33	19.41	19.21						
Channel												
Frequency (MHz)												
814.7 831.5 843.3												
1.4	QPSK	1	0	20.82	20.98	20.93	22.5	0				
1.4	QPSK	1	3	20.85	20.84	20.87						
1.4	QPSK	1	5	20.75	20.89	20.83						
1.4	QPSK	3	0	20.93	21.00	20.87	22.5	0				
1.4	QPSK	3	1	20.91	20.97	20.83						
1.4	QPSK	3	1	20.70	20.79	20.84						
1.4	QPSK	6	0	20.90	20.99	20.87	22.5	0				
1.4	16QAM	1	0	20.86	20.99	20.84						
1.4	16QAM	1	3	20.83	20.94	20.88						
1.4	16QAM	1	5	20.81	20.87	20.80	22.5	0				
1.4	16QAM	3	0	20.92	21.03	20.86						
1.4	16QAM	3	1	20.94	20.94	20.91						
1.4	16QAM	3	1	20.78	20.87	20.87	22	0.5				
1.4	16QAM	6	0	20.30	20.43	20.28						
1.4	64QAM	1	0	20.49	20.56	20.46						
1.4	64QAM	1	3	20.53	20.59	20.54	22	0.5				
1.4	64QAM	1	5	20.40	20.50	20.44						
1.4	64QAM	3	0	20.36	20.36	20.35						
1.4	64QAM	3	1	20.35	20.44	20.43	21	1.5				
1.4	64QAM	3	3	20.23	20.33	20.25						
1.4	64QAM	6	0	19.31	19.37	19.29						

Band 7 DS17 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.				
Channel				20850	21100	21350			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	17.14	17.17	17.03	18.5	0	
20	QPSK	1	49	17.11	17.03	16.99			
20	QPSK	1	99	16.99	17.02	16.88			
20	QPSK	50	0	17.09	17.14	17.11	18.5	0	
20	QPSK	50	24	17.02	17.05	16.91			
20	QPSK	50	50	17.08	17.06	17.01			
20	QPSK	100	0	17.01	17.06	16.99	18.5	0	
20	16QAM	1	0	17.08	17.08	16.89			
20	16QAM	1	49	17.04	17.04	16.97			
20	16QAM	1	99	16.99	17.06	16.92	18.5	0	
20	16QAM	50	0	17.03	17.11	16.92			
20	16QAM	50	24	17.03	17.11	16.93			
20	16QAM	50	50	17.05	17.13	16.90	18.5	0	
20	16QAM	100	0	17.07	17.14	16.92			
20	64QAM	1	0	16.99	17.15	16.97	18.5	0	
20	64QAM	1	49	17.08	17.12	16.90			
20	64QAM	1	99	17.08	17.10	16.90			
20	64QAM	50	0	17.00	17.03	16.91	18.5	0	
20	64QAM	50	24	17.09	17.09	16.92			
20	64QAM	50	50	17.00	17.09	16.88			
20	64QAM	100	0	17.11	17.14	16.90			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.02	17.12	16.97	18.5	0	
15	QPSK	1	37	17.01	16.93	16.85			
15	QPSK	1	74	16.85	16.92	16.79			
15	QPSK	36	0	17.05	16.99	17.04	18.5	0	
15	QPSK	36	20	16.87	16.91	16.82			
15	QPSK	36	39	16.95	16.95	16.92			
15	QPSK	75	0	16.95	16.91	16.91	18.5	0	
15	16QAM	1	0	17.03	16.96	16.74			
15	16QAM	1	37	17.01	16.92	16.94			
15	16QAM	1	74	16.91	17.03	16.78	18.5	0	
15	16QAM	36	0	16.95	17.07	16.77			
15	16QAM	36	20	16.88	17.00	16.85			
15	16QAM	36	39	16.94	17.08	16.86	18.5	0	
15	16QAM	75	0	16.93	17.10	16.88			
15	64QAM	1	0	16.85	17.07	16.94			
15	64QAM	1	37	16.99	17.00	16.79	18.5	0	
15	64QAM	1	74	17.02	17.04	16.79			
15	64QAM	36	0	16.85	17.01	16.82			
15	64QAM	36	20	17.04	16.96	16.76	18.5	0	
15	64QAM	36	39	16.98	16.95	16.85			
15	64QAM	75	0	17.06	17.03	16.79			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.07	17.04	17.01	18.5	0	
10	QPSK	1	25	17.00	16.90	16.95			
10	QPSK	1	49	16.95	16.87	16.81			
10	QPSK	25	0	17.02	17.02	17.06	18.5	0	
10	QPSK	25	12	16.94	17.01	16.81			
10	QPSK	25	25	17.04	17.00	16.88			
10	QPSK	50	0	16.89	17.00	16.83	18.5	0	
10	16QAM	1	0	17.00	17.00	16.76			
10	16QAM	1	25	16.90	16.93	16.86			
10	16QAM	1	49	16.89	16.98	16.77	18.5	0	
10	16QAM	25	0	16.87	17.00	16.86			
10	16QAM	25	12	16.98	17.02	16.91			
10	16QAM	25	25	16.92	16.98	16.75	18.5	0	
10	16QAM	50	0	17.01	17.11	16.82			
10	64QAM	1	0	16.85	17.13	16.94			
10	64QAM	1	25	16.96	17.04	16.86	18.5	0	
10	64QAM	1	49	16.97	17.03	16.84			
10	64QAM	25	0	16.96	17.00	16.82			
10	64QAM	25	12	16.94	17.00	16.90	18.5	0	
10	64QAM	25	25	16.90	16.95	16.78			
10	64QAM	50	0	17.03	17.02	16.80			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.11	17.14	17.00	18.5	0	
5	QPSK	1	12	17.02	16.96	16.85			
5	QPSK	1	24	16.88	16.89	16.82			
5	QPSK	12	0	17.00	17.03	17.07	18.5	0	
5	QPSK	12	7	16.89	17.02	16.84			
5	QPSK	12	13	16.99	16.91	16.90			
5	QPSK	25	0	16.90	17.04	16.85	18.5	0	
5	16QAM	1	0	16.96	17.03	16.77			
5	16QAM	1	12	16.89	16.95	16.83			
5	16QAM	1	24	16.92	16.95	16.82	18.5	0	
5	16QAM	12	0	16.88	16.97	16.81			
5	16QAM	12	7	16.91	17.06	16.77			
5	16QAM	12	13	16.95	17.04	16.85	18.5	0	
5	16QAM	25	0	16.96	17.03	16.84			
5	64QAM	1	0	16.95	16.99	16.89			
5	64QAM	1	12	16.99	16.98	16.87	18.5	0	
5	64QAM	1	24	17.02	16.94	16.83			
5	64QAM	12	0	16.88	17.00	16.77			
5	64QAM	12	7	17.01	16.95	16.88	18.5	0	
5	64QAM	12	13	16.94	16.94	16.92			
5	64QAM	25	0	16.99	17.07	16.78			

Band 38 DSI7 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	20	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.83	18.97	18.81	20	0	
20	QPSK	1	49	18.83	18.88	18.88			
20	QPSK	1	99	18.77	18.91	18.86	20	0	
20	QPSK	50	0	18.89	18.93	18.91			
20	QPSK	50	24	18.69	18.88	18.69	20	0	
20	QPSK	50	50	18.79	18.87	18.85			
20	QPSK	100	0	18.88	18.91	18.79	20	0	
20	16QAM	1	0	18.77	18.81	18.77			
20	16QAM	1	49	18.70	18.94	18.77	20	0	
20	16QAM	1	99	18.83	18.91	18.75			
20	16QAM	50	0	18.79	18.84	18.74	20	0	
20	16QAM	50	24	18.81	18.91	18.68			
20	16QAM	50	50	18.82	18.89	18.66	20	0	
20	16QAM	100	0	18.70	18.89	18.77			
20	64QAM	1	0	18.75	18.89	18.70	20	0	
20	64QAM	1	49	18.69	18.93	18.70			
20	64QAM	1	99	18.72	18.91	18.71	20	0	
20	64QAM	50	0	18.77	18.83	18.71			
20	64QAM	50	24	18.76	18.88	18.77	20	0	
20	64QAM	50	50	18.70	18.93	18.73			
20	64QAM	100	0	18.74	18.92	18.78	20	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	20	0	
15	QPSK	1	0	18.71	18.84	18.69			
15	QPSK	1	37	18.70	18.73	18.63	20	0	
15	QPSK	1	74	18.73	18.78	18.63			
15	QPSK	36	0	18.81	18.81	18.83	20	0	
15	QPSK	36	20	18.65	18.81	18.62			
15	QPSK	36	39	18.74	18.82	18.53	20	0	
15	QPSK	75	0	18.77	18.87	18.73			
15	16QAM	1	0	18.69	18.75	18.67	20	0	
15	16QAM	1	37	18.60	18.89	18.64			
15	16QAM	1	74	18.79	18.81	18.65	20	0	
15	16QAM	36	0	18.70	18.75	18.61			
15	16QAM	36	20	18.74	18.76	18.60	20	0	
15	16QAM	36	39	18.77	18.81	18.57			
15	16QAM	75	0	18.61	18.74	18.71	20	0	
15	64QAM	1	0	18.59	18.77	18.60			
15	64QAM	1	37	18.55	18.81	18.65	20	0	
15	64QAM	1	74	18.66	18.80	18.59			
15	64QAM	36	0	18.62	18.75	18.66	20	0	
15	64QAM	36	20	18.67	18.72	18.71			
15	64QAM	36	39	18.62	18.70	18.62	20	0	
15	64QAM	75	0	18.60	18.81	18.68			
Channel				37800	38000	38200	20	0	
Frequency (MHz)				2577.5	2595	2612.5			
10	QPSK	1	0	18.72	18.95	18.72	20	0	
10	QPSK	1	25	18.70	18.84	18.53			
10	QPSK	1	49	18.75	18.89	18.55	20	0	
10	QPSK	25	0	18.75	18.78	18.89			
10	QPSK	25	12	18.56	18.75	18.61	20	0	
10	QPSK	25	26	18.74	18.75	18.54			
10	QPSK	50	0	18.82	18.83	18.69	20	0	
10	16QAM	1	0	18.72	18.75	18.69			
10	16QAM	1	25	18.59	18.86	18.74	20	0	
10	16QAM	1	49	18.68	18.86	18.60			
10	16QAM	25	0	18.68	18.71	18.60	20	0	
10	16QAM	25	12	18.72	18.87	18.60			
10	16QAM	25	25	18.77	18.78	18.58	20	0	
10	16QAM	50	0	18.55	18.77	18.64			
10	64QAM	1	0	18.66	18.82	18.59	20	0	
10	64QAM	1	25	18.55	18.86	18.67			
10	64QAM	1	49	18.61	18.88	18.61	20	0	
10	64QAM	25	0	18.66	18.89	18.59			
10	64QAM	25	12	18.73	18.72	18.73	20	0	
10	64QAM	25	25	18.65	18.74	18.68			
10	64QAM	50	0	18.63	18.81	18.64	20	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	20	0	
5	QPSK	1	0	18.74	18.87	18.76			
5	QPSK	1	12	18.77	18.81	18.53	20	0	
5	QPSK	1	24	18.63	18.81	18.63			
5	QPSK	12	0	18.76	18.90	18.86	20	0	
5	QPSK	12	7	18.54	18.84	18.57			
5	QPSK	12	13	18.70	18.85	18.53	20	0	
5	QPSK	25	0	18.83	18.87	18.64			
5	16QAM	1	0	18.66	18.72	18.68	20	0	
5	16QAM	1	12	18.67	18.79	18.68			
5	16QAM	1	24	18.72	18.75	18.60	20	0	
5	16QAM	12	0	18.76	18.77	18.61			
5	16QAM	12	7	18.77	18.79	18.65	20	0	
5	16QAM	12	13	18.72	18.79	18.60			
5	16QAM	25	0	18.61	18.76	18.65	20	0	
5	64QAM	1	0	18.62	18.85	18.68			
5	64QAM	1	12	18.57	18.77	18.64	20	0	
5	64QAM	1	24	18.57	18.81	18.68			
5	64QAM	12	0	18.72	18.72	18.68	20	0	
5	64QAM	12	7	18.64	18.78	18.75			
5	64QAM	12	13	18.64	18.79	18.66	20	0	
5	64QAM	25	0	18.62	18.82	18.63			

Band 41 DSI7 Ant1 SA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	20	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.81	18.87	18.94	18.58	18.64	20	0
20	QPSK	1	49	18.68	18.64	18.86	18.53	18.54		
20	QPSK	1	99	18.66	18.56	18.96	18.54	18.48	20	0
20	QPSK	50	0	18.72	18.74	18.87	18.85	18.75		
20	QPSK	50	24	18.69	18.54	18.83	18.45	18.51	20	0
20	QPSK	50	50	18.77	18.55	18.81	18.53	18.49		
20	QPSK	100	0	18.69	18.61	18.82	18.53	18.60	20	0
20	16QAM	1	0	18.72	18.65	18.94	18.55	18.53		
20	16QAM	1	49	18.75	18.53	18.85	18.44	18.50	20	0
20	16QAM	1	99	18.75	18.52	18.91	18.46	18.52		
20	16QAM	50	0	18.73	18.63	18.85	18.42	18.61	20	0
20	16QAM	50	24	18.66	18.52	18.84	18.46	18.51		
20	16QAM	50	50	18.71	18.56	18.84	18.53	18.51	20	0
20	16QAM	100	0	18.69	18.57	18.97	18.44	18.58		
20	64QAM	1	0	18.72	18.51	18.79	18.42	18.61	20	0
20	64QAM	1	49	18.73	18.63	18.84	18.54	18.58		
20	64QAM	1	99	18.77	18.64	18.78	18.46	18.60	20	0
20	64QAM	50	0	18.71	18.52	18.89	18.45	18.48		
20	64QAM	50	24	18.71	18.64	18.86	18.54	18.52	20	0
20	64QAM	50	50	18.70	18.61	18.84	18.51	18.50		
20	64QAM	100	0	18.73	18.58	18.80	18.45	18.61	20	0
Channel				39725	40173	40620	41068	41516		
Frequency (MHz)				2503.5	2543.5	2593	2637.5	2682.5	20	0
15	QPSK	1	0	18.78	18.80	18.84	18.43	18.41	20	0
15	QPSK	1	37	18.65	18.57	18.78	18.45	18.40		
15	QPSK	1	74	18.56	18.48	18.78	18.43	18.39	20	0
15	QPSK	36	0	18.60	18.70	18.71	18.45	18.40		
15	QPSK	36	20	18.61	18.44	18.71	18.39	18.35	20	0
15	QPSK	36	39	18.68	18.49	18.65	18.39	18.38		
15	QPSK	1	0	18.63	18.45	18.72	18.49	18.48	20	0
15	16QAM	1	0	18.69	18.52	18.75	18.52	18.41		
15	16QAM	1	37	18.74	18.59	18.77	18.40	18.50	20	0
15	16QAM	1	74	18.72	18.39	18.81	18.43	18.49		
15	16QAM	36	0	18.63	18.60	18.70	18.28	18.49	20	0
15	16QAM	36	20	18.53	18.41	18.71	18.35	18.39		
15	16QAM	36	39	18.60	18.42	18.68	18.46	18.44	20	0
15	16QAM	75	0	18.53	18.43	18.71	18.33	18.50		
15	64QAM	1	0	18.66	18.46	18.75	18.39	18.53	20	0
15	64QAM	1	37	18.70	18.55	18.71	18.41	18.54		
15	64QAM	1	74	18.65	18.54	18.82	18.40	18.40	20	0
15	64QAM	36	0	18.60	18.45	18.83	18.39	18.35		
15	64QAM	36	20	18.67	18.49	18.80	18.46	18.46	20	0
15	64QAM	36	39	18.56	18.56	18.73	18.37	18.35		
15	64QAM	75	0	18.60	18.54	18.76	18.32	18.52	20	0
Channel				40550	41000	41500	41950	42400		
Frequency (MHz)				2551	2601	2651	2699	2745	20	0
10	QPSK	1	0	18.76	18.52	18.79	18.53	18.59	20.00	0
10	QPSK	1	25	18.64	18.57	18.80	18.45	18.51		
10	QPSK	1	49	18.61	18.53	18.79	18.47	18.41	20	0
10	QPSK	25	0	18.61	18.65	18.80	18.42	18.42		
10	QPSK	25	12	18.65	18.51	18.74	18.41	18.40	20	0
10	QPSK	25	25	18.69	18.41	18.71	18.47	18.38		
10	QPSK	50	0	18.60	18.46	18.70	18.38	18.51	20	0
10	16QAM	1	0	18.65	18.53	18.69	18.40	18.41		
10	16QAM	1	25	18.73	18.56	18.79	18.35	18.55	20	0
10	16QAM	1	49	18.70	18.41	18.82	18.42	18.40		
10	16QAM	25	0	18.57	18.51	18.81	18.34	18.51	20	0
10	16QAM	25	12	18.57	18.44	18.74	18.35	18.38		
10	16QAM	25	25	18.56	18.50	18.77	18.43	18.45	20	0
10	16QAM	50	0	18.55	18.42	18.73	18.41	18.49		
10	64QAM	1	0	18.58	18.49	18.72	18.32	18.52	20	0
10	64QAM	1	25	18.71	18.54	18.81	18.47	18.55		
10	64QAM	1	49	18.71	18.56	18.66	18.38	18.44	20	0
10	64QAM	25	0	18.61	18.37	18.77	18.34	18.45		
10	64QAM	25	12	18.59	18.59	18.74	18.50	18.46	20	0
10	64QAM	25	25	18.61	18.53	18.77	18.40	18.46		
10	64QAM	50	0	18.59	18.48	18.64	18.41	18.50	20	0
Channel				39875	40183	40620	41063	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	20	0
5	QPSK	1	0	18.70	18.54	18.87	18.47	18.50	20.00	0
5	QPSK	1	12	18.60	18.55	18.83	18.43	18.39		
5	QPSK	1	24	18.63	18.48	18.84	18.40	18.40	20	0
5	QPSK	12	0	18.69	18.68	18.72	18.40	18.49		
5	QPSK	12	7	18.60	18.41	18.75	18.32	18.38	20	0
5	QPSK	12	13	18.61	18.50	18.79	18.42	18.45		
5	QPSK	25	0	18.55	18.49	18.72	18.39	18.52	20	0
5	16QAM	1	0	18.67	18.50	18.82	18.40	18.48		
5	16QAM	1	12	18.73	18.48	18.74	18.31	18.51	20	0
5	16QAM	1	24	18.59	18.43	18.76	18.38	18.40		
5	16QAM	12	0	18.70	18.56	18.79	18.35	18.54	20	0
5	16QAM	12	7	18.55	18.41	18.78	18.37	18.37		
5	16QAM	12	13	18.56	18.53	18.80	18.41	18.40	20	0
5	16QAM	25	0	18.56	18.52	18.73	18.36	18.43		
5	64QAM	1	0	18.68	18.49	18.64	18.28	18.47	20	0
5	64QAM	1	12	18.65	18.52	18.76	18.49	18.49		
5	64QAM	1	24	18.66	18.57	18.70	18.44	18.55	20	0
5	64QAM	12	0	18.68	18.42	18.77	18.39	18.45		
5	64QAM	12	7	18.68	18.52	18.80	18.45	18.45	20	0
5	64QAM	12	13	18.60	18.47	18.71	18.43	18.41		
5	64QAM	25	0	18.60	18.52	18.67	18.37	18.51	20	0



Band 42 FCC Part27Q DSI7 Ant5 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	19.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.59	18.64	18.50	19.5	0	
20	QPSK	1	49	18.41	18.48	18.37			
20	QPSK	1	99	18.37	18.51	18.41			
20	QPSK	50	0	18.42	18.45	18.44	19.5	0	
20	QPSK	50	24	18.31	18.41	18.32			
20	QPSK	50	50	18.38	18.47	18.39			
20	QPSK	100	0	18.41	18.53	18.38	19.5	0	
20	16QAM	1	0	18.36	18.50	18.40			
20	16QAM	1	49	18.49	18.58	18.44			
20	16QAM	1	99	18.37	18.52	18.49	19.5	0	
20	16QAM	50	0	18.34	18.48	18.33			
20	16QAM	50	24	18.48	18.53	18.44			
20	16QAM	50	50	18.48	18.54	18.44	19.5	0	
20	16QAM	100	0	18.46	18.51	18.40			
20	64QAM	1	0	18.48	18.55	18.44			
20	64QAM	1	49	18.44	18.54	18.51	19.5	0	
20	64QAM	1	99	18.43	18.46	18.32			
20	64QAM	50	0	18.29	18.42	18.35			
20	64QAM	50	24	18.42	18.49	18.46	19.5	0	
20	64QAM	50	50	18.44	18.51	18.40			
20	64QAM	100	0	18.41	18.49	18.43			
Channel				42165	42590	43015	19.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.52	18.51	18.45	19.5	0	
15	QPSK	1	37	18.34	18.44	18.34			
15	QPSK	1	74	18.26	18.38	18.35			
15	QPSK	36	0	18.30	18.36	18.33	19.5	0	
15	QPSK	36	20	18.17	18.30	18.26			
15	QPSK	36	39	18.31	18.42	18.30			
15	QPSK	75	0	18.33	18.44	18.27	19.5	0	
15	16QAM	1	0	18.27	18.39	18.33			
15	16QAM	1	37	18.35	18.50	18.31			
15	16QAM	1	74	18.25	18.39	18.35	19.5	0	
15	16QAM	36	0	18.27	18.44	18.30			
15	16QAM	36	20	18.33	18.48	18.38			
15	16QAM	36	39	18.35	18.47	18.37	19.5	0	
15	16QAM	75	0	18.34	18.46	18.31			
15	64QAM	1	0	18.44	18.41	18.33			
15	64QAM	1	37	18.38	18.50	18.46	19.5	0	
15	64QAM	1	74	18.29	18.37	18.19			
15	64QAM	36	0	18.21	18.32	18.21			
15	64QAM	36	20	18.39	18.35	18.41	19.5	0	
15	64QAM	36	39	18.33	18.48	18.28			
15	64QAM	75	0	18.34	18.36	18.39			
Channel				42140	42590	43040	19.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.46	18.59	18.43	19.5	0	
10	QPSK	1	25	18.26	18.37	18.26			
10	QPSK	1	49	18.31	18.44	18.35			
10	QPSK	25	0	18.29	18.39	18.34	19.5	0	
10	QPSK	25	12	18.19	18.32	18.25			
10	QPSK	25	25	18.30	18.35	18.27			
10	QPSK	50	0	18.26	18.46	18.23	19.5	0	
10	16QAM	1	0	18.30	18.45	18.29			
10	16QAM	1	25	18.37	18.54	18.36			
10	16QAM	1	49	18.23	18.45	18.40	19.5	0	
10	16QAM	25	0	18.28	18.45	18.30			
10	16QAM	25	12	18.42	18.38	18.36			
10	16QAM	25	25	18.37	18.41	18.34	19.5	0	
10	16QAM	50	0	18.39	18.44	18.32			
10	64QAM	1	0	18.42	18.42	18.31			
10	64QAM	1	25	18.32	18.40	18.36	19.5	0	
10	64QAM	1	49	18.34	18.42	18.29			
10	64QAM	25	0	18.20	18.36	18.22			
10	64QAM	25	12	18.32	18.41	18.40	19.5	0	
10	64QAM	25	25	18.29	18.36	18.26			
10	64QAM	50	0	18.36	18.44	18.29			
Channel				42115	42590	43065	19.5	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.48	18.53	18.41	19.5	0	
5	QPSK	1	12	18.33	18.34	18.31			
5	QPSK	1	24	18.27	18.43	18.32			
5	QPSK	12	0	18.34	18.38	18.35	19.5	0	
5	QPSK	12	7	18.27	18.34	18.21			
5	QPSK	12	13	18.26	18.40	18.28			
5	QPSK	25	0	18.32	18.40	18.31	19.5	0	
5	16QAM	1	0	18.31	18.36	18.28			
5	16QAM	1	12	18.37	18.47	18.33			
5	16QAM	1	24	18.34	18.38	18.40	19.5	0	
5	16QAM	12	0	18.21	18.42	18.21			
5	16QAM	12	7	18.36	18.44	18.39			
5	16QAM	12	13	18.44	18.45	18.40	19.5	0	
5	16QAM	25	0	18.36	18.39	18.34			
5	64QAM	1	0	18.34	18.42	18.39			
5	64QAM	1	12	18.39	18.48	18.42	19.5	0	
5	64QAM	1	24	18.30	18.35	18.26			
5	64QAM	12	0	18.18	18.35	18.23			
5	64QAM	12	7	18.36	18.37	18.42	19.5	0	
5	64QAM	12	13	18.41	18.38	18.27			
5	64QAM	25	0	18.26	18.38	18.40			

3450	42090
3550	

LTE Band 42
Tune-up轉換成Word文件模板

請輸入希望 ± ?			±			
LTE Band 42						
Average Power (dBm)						
Modulation	BW (MHz)	RB size	Default (MPR)	Default power mode	Reduced (MPR)	Reduced Power mode
QPSK	20	≤ 18	0	∕VALUE		
QPSK	20	> 18	0	∕VALUE		
16QAM	20	≤ 18	0	∕VALUE		
16QAM	20	> 18	0	∕VALUE		
64QAM	20	≤ 18	0	∕VALUE		
64QAM	20	> 18	0	∕VALUE		
QPSK	15	≤ 16	0	∕VALUE		
QPSK	15	> 16	0	∕VALUE		
16QAM	15	≤ 16	0	∕VALUE		
16QAM	15	> 16	0	∕VALUE		
64QAM	15	≤ 16	0	∕VALUE		
64QAM	15	> 16	0	∕VALUE		
QPSK	10	≤ 12	0	∕VALUE		
QPSK	10	> 12	0	∕VALUE		
16QAM	10	≤ 12	0	∕VALUE		
16QAM	10	> 12	0	∕VALUE		
64QAM	10	≤ 12	0	∕VALUE		
64QAM	10	> 12	0	∕VALUE		
QPSK	5	≤ 8	0	∕VALUE		
QPSK	5	> 8	0	∕VALUE		
16QAM	5	≤ 8	0	∕VALUE		
16QAM	5	> 8	0	∕VALUE		
64QAM	5	≤ 8	0	∕VALUE		
64QAM	5	> 8	0	∕VALUE		

Band 2 DS17 NSA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	10.63	10.75	10.67	12.5	0		
20	QPSK	1	49	10.54	10.61	10.55				
20	QPSK	1	99	10.53	10.60	10.55				
20	QPSK	50	0	10.60	10.72	10.61	12.5	0		
20	QPSK	50	24	10.59	10.64	10.56				
20	QPSK	50	50	10.51	10.60	10.58				
20	QPSK	100	0	10.58	10.71	10.64	12.5	0		
20	16QAM	1	0	10.51	10.65	10.55				
20	16QAM	1	49	10.59	10.62	10.62				
20	16QAM	1	99	10.55	10.63	10.64	12.5	0		
20	16QAM	50	0	10.54	10.65	10.52				
20	16QAM	50	24	10.52	10.60	10.55				
20	16QAM	50	50	10.59	10.60	10.53	12.5	0		
20	16QAM	100	0	10.53	10.68	10.59				
20	64QAM	1	0	10.50	10.64	10.53	12.5	0		
20	64QAM	1	49	10.59	10.65	10.63				
20	64QAM	1	99	10.52	10.66	10.63				
20	64QAM	50	0	10.51	10.70	10.55	12.5	0		
20	64QAM	50	24	10.52	10.65	10.64				
20	64QAM	50	50	10.58	10.69	10.65				
20	64QAM	100	0	10.53	10.70	10.62	12.5	0		
Channel				18675	18900	19125			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	10.61	10.62	10.54	12.5	0		
15	QPSK	1	37	10.61	10.58	10.52				
15	QPSK	1	74	10.61	10.57	10.59				
15	QPSK	36	0	10.58	10.63	10.52	12.5	0		
15	QPSK	36	20	10.60	10.53	10.52				
15	QPSK	36	39	10.53	10.50	10.55				
15	QPSK	75	0	10.54	10.65	10.55	12.5	0		
15	16QAM	1	0	10.59	10.60	10.56				
15	16QAM	1	37	10.56	10.59	10.59				
15	16QAM	1	74	10.51	10.62	10.55	12.5	0		
15	16QAM	36	0	10.64	10.63	10.64				
15	16QAM	36	20	10.51	10.56	10.54				
15	16QAM	36	39	10.60	10.58	10.58	12.5	0		
15	16QAM	75	0	10.63	10.56	10.56				
15	64QAM	1	0	10.63	10.58	10.53				
15	64QAM	1	37	10.58	10.51	10.58	12.5	0		
15	64QAM	1	74	10.55	10.59	10.61				
15	64QAM	36	0	10.58	10.62	10.62				
15	64QAM	36	20	10.65	10.60	10.60	12.5	0		
15	64QAM	36	39	10.55	10.63	10.57				
15	64QAM	75	0	10.56	10.57	10.58				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	10.59	10.61	10.57	12.5	0		
10	QPSK	1	25	10.54	10.67	10.62				
10	QPSK	1	49	10.56	10.71	10.55				
10	QPSK	25	0	10.56	10.63	10.57	12.5	0		
10	QPSK	25	12	10.53	10.66	10.55				
10	QPSK	25	25	10.55	10.62	10.51				
10	QPSK	50	0	10.54	10.63	10.55	12.5	0		
10	16QAM	1	0	10.59	10.71	10.58				
10	16QAM	1	25	10.59	10.73	10.60				
10	16QAM	1	49	10.53	10.63	10.64	12.5	0		
10	16QAM	25	0	10.51	10.62	10.57				
10	16QAM	25	12	10.51	10.62	10.65				
10	16QAM	25	25	10.52	10.59	10.60	12.5	0		
10	16QAM	50	0	10.57	10.65	10.60				
10	64QAM	1	0	10.51	10.67	10.57				
10	64QAM	1	49	10.60	10.67	10.61	12.5	0		
10	64QAM	25	0	10.57	10.69	10.57				
10	64QAM	25	12	10.57	10.73	10.51				
10	64QAM	25	25	10.52	10.67	10.58	12.5	0		
10	64QAM	50	0	10.52	10.67	10.53				
Channel				18625	18900	19175			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	10.53	10.68	10.63	12.5	0		
5	QPSK	1	12	10.54	10.60	10.63				
5	QPSK	1	24	10.58	10.68	10.52				
5	QPSK	12	0	10.54	10.68	10.51	12.5	0		
5	QPSK	12	7	10.50	10.67	10.65				
5	QPSK	12	13	10.60	10.70	10.59				
5	QPSK	25	0	10.57	10.68	10.53	12.5	0		
5	16QAM	1	0	10.56	10.68	10.61				
5	16QAM	1	12	10.52	10.69	10.61				
5	16QAM	1	24	10.51	10.65	10.55	12.5	0		
5	16QAM	12	0	10.56	10.71	10.62				
5	16QAM	12	7	10.58	10.69	10.51				
5	16QAM	12	13	10.58	10.61	10.62	12.5	0		
5	16QAM	25	0	10.59	10.60	10.59				
5	64QAM	1	0	10.59	10.69	10.63				
5	64QAM	1	12	10.56	10.67	10.57	12.5	0		
5	64QAM	1	24	10.51	10.61	10.62				
5	64QAM	12	0	10.56	10.62	10.58				
5	64QAM	12	7	10.51	10.70	10.52	12.5	0		
5	64QAM	12	13	10.51	10.66	10.63				
5	64QAM	25	0	10.56	10.69	10.62				
Channel				18615	18900	19165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	10.60	10.66	10.56	12.5	0		
3	QPSK	1	8	10.54	10.72	10.61				
3	QPSK	1	14	10.58	10.67	10.61				
3	QPSK	8	0	10.56	10.68	10.54	12.5	0		
3	QPSK	8	4	10.52	10.68	10.58				
3	QPSK	8	7	10.61	10.65	10.59				
3	QPSK	15	0	10.58	10.62	10.52	12.5	0		
3	16QAM	1	0	10.56	10.72	10.61				
3	16QAM	1	8	10.50	10.72	10.63				
3	16QAM	1	14	10.52	10.59	10.53	12.5	0		
3	16QAM	8	0	10.55	10.66	10.62				
3	16QAM	8	4	10.58	10.66	10.54				
3	16QAM	8	7	10.50	10.59	10.51	12.5	0		
3	16QAM	15	0	10.54	10.61	10.53				
3	64QAM	1	0	10.53	10.59	10.58	12.5	0		
3	64QAM	1	8	10.60	10.65	10.56				
3	64QAM	1	14	10.61	10.64	10.55				
3	64QAM	8	0	10.54	10.61	10.65	12.5	0		
3	64QAM	8	4	10.51	10.65	10.52				
3	64QAM	8	7	10.52	10.70	10.51				
3	64QAM	15	0	10.55	10.72	10.59	12.5	0		
Channel				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	10.55	10.66	10.57	12.5	0		
1.4	QPSK	1	3	10.50	10.63	10.51				
1.4	QPSK	1	5	10.53	10.65	10.51				
1.4	QPSK	3	0	10.57	10.60	10.58	12.5	0		
1.4	QPSK	3	1	10.58	10.66	10.59				
1.4	QPSK	3	3	10.58	10.59	10.64				
1.4	QPSK	6	0	10.51	10.65	10.59	12.5	0		
1.4	16QAM	1	0	10.55	10.60	10.52				
1.4	16QAM	1	3	10.54	10.69	10.61				
1.4	16QAM	1	5	10.51	10.71	10.62	12.5	0		
1.4	16QAM	3	0	10.60	10.60	10.58				
1.4	16QAM	3	1	10.51	10.59	10.65				
1.4	16QAM	3	3	10.58	10.65	10.55	12.5	0		
1.4	16QAM	6	0	10.51	10.69	10.62				
1.4	64QAM	1	0	10.52	10.71	10.55				
1.4	64QAM	1	3	10.58	10.69	10.51	12.5	0		
1.4	64QAM	1	5	10.54	10.64	10.60				
1.4	64QAM	3	0	10.57	10.64	10.60				
1.4	64QAM	3	1	10.58	10.70	10.53	12.5	0		
1.4	64QAM	3	3	10.56	10.70	10.53				
1.4	64QAM	6	0	10.61	10.71	10.51				

Band 5 DSI7 Ant0 NSA							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				826.5	836.5	844.5	
10	QPSK	1	0	16.97	17.10	17.04	
10	QPSK	1	25	16.87	17.00	16.94	18.5
10	QPSK	1	49	16.84	16.97	16.92	
10	QPSK	25	0	16.90	17.00	16.94	
10	QPSK	25	12	16.90	16.99	16.96	18.5
10	QPSK	25	25	16.92	16.99	16.96	
10	QPSK	50	0	16.94	17.04	17.03	
10	16QAM	1	0	16.87	17.01	16.94	
10	16QAM	1	25	16.97	16.89	16.93	18.5
10	16QAM	1	49	16.95	16.99	17.02	
10	16QAM	25	0	16.97	16.97	16.95	
10	16QAM	25	12	16.93	17.01	16.99	18.5
10	16QAM	25	25	16.88	17.07	16.90	
10	16QAM	50	0	16.86	17.05	17.01	
10	64QAM	1	0	16.90	16.98	17.03	
10	64QAM	1	25	16.85	17.03	16.86	18.5
10	64QAM	1	49	16.87	16.88	16.87	
10	64QAM	25	0	16.83	16.92	17.01	
10	64QAM	25	12	16.86	17.00	16.94	18.5
10	64QAM	25	25	16.86	17.05	16.94	
10	64QAM	50	0	16.88	16.98	16.98	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)
5	QPSK	1	0	17.04	17.02	17.08	
5	QPSK	1	12	16.95	16.96	16.91	18.5
5	QPSK	1	24	16.85	16.98	16.93	
5	QPSK	12	0	16.82	17.06	16.89	
5	QPSK	12	7	16.91	16.93	16.93	18.5
5	QPSK	12	13	16.99	16.97	16.99	
5	QPSK	25	0	16.89	16.99	17.03	
5	16QAM	1	0	16.89	17.06	16.95	
5	16QAM	1	12	17.01	16.92	16.91	18.5
5	16QAM	1	24	16.89	17.02	17.01	
5	16QAM	12	0	16.93	16.96	17.03	
5	16QAM	12	7	16.94	17.02	17.01	18.5
5	16QAM	12	13	16.88	17.03	16.87	
5	16QAM	25	0	16.88	17.02	16.99	
5	64QAM	1	0	16.88	16.97	16.96	
5	64QAM	1	12	16.93	16.99	16.89	18.5
5	64QAM	1	24	16.82	16.89	16.88	
5	64QAM	12	0	16.90	16.95	17.04	
5	64QAM	12	7	16.91	17.04	16.87	18.5
5	64QAM	12	13	16.92	16.99	16.96	
5	64QAM	25	0	16.91	16.99	16.99	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	MPR (dB)
3	QPSK	1	0	16.99	17.03	17.00	
3	QPSK	1	8	16.90	16.91	16.91	18.5
3	QPSK	1	14	16.91	16.95	16.92	
3	QPSK	8	0	16.91	16.97	16.91	
3	QPSK	8	4	16.97	16.97	16.95	18.5
3	QPSK	8	7	16.93	16.95	16.94	
3	QPSK	15	0	16.86	17.05	16.96	
3	16QAM	1	0	16.90	17.07	16.91	
3	16QAM	1	8	16.96	16.95	16.93	18.5
3	16QAM	1	14	16.93	16.99	17.03	
3	16QAM	8	0	16.95	16.92	16.95	
3	16QAM	8	4	16.89	17.01	17.03	18.5
3	16QAM	8	7	16.95	17.09	16.90	
3	16QAM	15	0	16.88	17.01	16.99	
3	64QAM	1	0	16.93	17.03	17.03	
3	64QAM	1	8	16.90	16.99	16.86	18.5
3	64QAM	1	14	16.86	16.92	16.86	
3	64QAM	8	0	16.84	16.99	17.04	
3	64QAM	8	4	16.88	17.00	16.94	18.5
3	64QAM	8	7	16.85	17.07	16.91	
3	64QAM	15	0	16.89	17.02	16.99	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	MPR (dB)
1.4	QPSK	1	0	16.97	17.08	17.02	
1.4	QPSK	1	3	16.90	16.96	16.86	18.5
1.4	QPSK	1	5	16.86	16.91	16.88	
1.4	QPSK	3	0	16.84	17.06	16.95	
1.4	QPSK	3	1	16.94	16.89	16.96	18.5
1.4	QPSK	3	3	16.91	17.01	17.02	
1.4	QPSK	6	0	16.87	17.02	16.99	
1.4	16QAM	1	0	16.91	17.06	16.89	18.5
1.4	16QAM	1	3	16.95	16.96	17.00	
1.4	16QAM	1	5	16.89	16.98	16.99	
1.4	16QAM	3	0	16.91	16.96	16.96	18.5
1.4	16QAM	3	1	16.95	17.05	17.03	
1.4	16QAM	3	3	16.92	17.02	16.85	
1.4	16QAM	6	0	16.86	17.06	16.96	18.5
1.4	64QAM	1	0	16.86	17.01	16.99	
1.4	64QAM	1	3	16.86	17.02	16.89	
1.4	64QAM	1	5	16.84	16.94	16.89	18.5
1.4	64QAM	3	0	16.83	16.94	17.02	
1.4	64QAM	3	1	16.88	17.02	16.88	
1.4	64QAM	3	3	16.92	17.06	16.92	
1.4	64QAM	6	0	16.86	16.99	17.04	18.5

Band 66 DS17 Ant0 NSA								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	10.91	11.10	11.04		
20	QPSK	1	49	10.78	11.08	10.88	12.5	0
20	QPSK	1	99	10.80	10.94	11.02		
20	QPSK	50	0	10.81	11.08	10.92		
20	QPSK	50	24	10.78	11.06	10.94	12.5	0
20	QPSK	50	50	10.78	11.07	10.95		
20	QPSK	100	0	10.89	10.95	10.91		
20	16QAM	1	0	10.79	11.00	10.98		
20	16QAM	1	49	10.78	10.94	10.99	12.5	0
20	16QAM	1	99	10.86	11.07	10.92		
20	16QAM	50	0	10.86	11.05	10.91		
20	16QAM	50	24	10.83	11.05	10.95	12.5	0
20	16QAM	50	50	10.89	10.96	10.95		
20	16QAM	100	0	10.79	10.97	10.96		
20	64QAM	1	0	10.78	11.00	11.01		
20	64QAM	1	49	10.84	11.08	10.96	12.5	0
20	64QAM	1	99	10.83	11.07	10.88		
20	64QAM	50	0	10.82	10.97	10.98		
20	64QAM	50	24	10.84	11.04	10.97	12.5	0
20	64QAM	50	50	10.75	10.95	11.00		
20	64QAM	100	0	10.87	10.96	10.94		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	10.89	11.06	11.00		
15	QPSK	1	37	10.71	10.94	10.82	12.5	0
15	QPSK	1	74	10.71	10.82	10.98		
15	QPSK	36	0	10.70	10.95	10.89		
15	QPSK	36	20	10.67	11.02	10.88	12.5	0
15	QPSK	36	39	10.71	10.94	10.78		
15	QPSK	75	0	10.81	10.92	10.77		
15	16QAM	1	0	10.70	10.95	10.86		
15	16QAM	1	37	10.69	10.81	10.86	12.5	0
15	16QAM	1	74	10.78	10.91	10.82		
15	16QAM	36	0	10.79	10.98	10.82		
15	16QAM	36	20	10.67	10.97	10.91	12.5	0
15	16QAM	36	39	10.77	10.92	10.80		
15	16QAM	75	0	10.73	10.94	10.90		
15	64QAM	1	0	10.73	10.95	10.94		
15	64QAM	1	37	10.75	10.98	10.83	12.5	0
15	64QAM	1	74	10.79	11.04	10.84		
15	64QAM	36	0	10.72	10.88	10.84		
15	64QAM	36	20	10.81	10.99	10.85	12.5	0
15	64QAM	36	39	10.82	10.86	10.82		
15	64QAM	75	0	10.79	10.91	10.82		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	10.88	10.95	10.95		
10	QPSK	1	25	10.63	11.03	10.78	12.5	0
10	QPSK	1	49	10.73	10.91	10.96		
10	QPSK	25	0	10.78	10.94	10.84		
10	QPSK	25	12	10.67	10.96	10.83	12.5	0
10	QPSK	25	25	10.75	10.95	10.90		
10	QPSK	50	0	10.82	10.85	10.86		
10	16QAM	1	0	10.77	10.86	10.94		
10	16QAM	1	25	10.70	10.82	10.85	12.5	0
10	16QAM	1	49	10.73	10.93	10.86		
10	16QAM	25	0	10.83	10.96	10.83		
10	16QAM	25	12	10.76	11.01	10.92	12.5	0
10	16QAM	25	25	10.83	10.89	10.82		
10	16QAM	50	0	10.66	10.87	10.87		
10	64QAM	1	0	10.63	10.90	10.99		
10	64QAM	1	25	10.71	10.96	10.89	12.5	0
10	64QAM	1	49	10.75	11.05	10.82		
10	64QAM	25	0	10.77	10.87	10.83		
10	64QAM	25	12	10.80	10.99	10.87	12.5	0
10	64QAM	25	25	10.62	10.79	10.87		
10	64QAM	50	0	10.80	10.87	10.82		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	10.81	11.00	11.00		
5	QPSK	1	12	10.66	10.98	10.85	12.5	0
5	QPSK	1	24	10.78	10.86	10.96		
5	QPSK	12	0	10.65	11.00	10.89		
5	QPSK	12	7	10.70	11.00	10.89	12.5	0
5	QPSK	12	13	10.76	10.92	10.79		
5	QPSK	25	0	10.85	10.81	10.87		
5	16QAM	1	0	10.68	10.90	10.90		
5	16QAM	1	12	10.65	10.87	10.83	12.5	0
5	16QAM	1	24	10.74	10.92	10.96		
5	16QAM	12	0	10.85	11.01	10.82		
5	16QAM	12	7	10.76	10.99	10.83	12.5	0
5	16QAM	12	13	10.76	10.83	10.87		
5	16QAM	25	0	10.75	10.87	10.82		
5	16QAM	1	0	10.74	10.88	10.96		
5	64QAM	1	12	10.77	10.97	10.86	12.5	0
5	64QAM	1	24	10.81	10.92	10.78		
5	64QAM	12	0	10.78	10.87	10.88		
5	64QAM	12	7	10.76	11.00	10.93	12.5	0
5	64QAM	12	13	10.65	10.82	10.89		
5	64QAM	25	0	10.81	10.85	10.88		
Channel				131972	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	10.76	11.00	11.01		
3	QPSK	1	8	10.74	11.01	10.78	12.5	0
3	QPSK	1	14	10.76	10.87	10.88		
3	QPSK	8	0	10.73	11.03	10.81		
3	QPSK	8	4	10.76	11.02	10.81	12.5	0
3	QPSK	8	7	10.71	10.93	10.86		
3	QPSK	15	0	10.87	10.90	10.87		
3	16QAM	1	0	10.76	10.88	10.86		
3	16QAM	1	8	10.63	10.90	10.90	12.5	0
3	16QAM	1	14	10.76	10.99	10.88		
3	16QAM	8	0	10.74	10.99	10.78		
3	16QAM	8	4	10.68	10.94	10.94	12.5	0
3	16QAM	8	7	10.85	10.94	10.85		
3	16QAM	15	0	10.68	10.88	10.80		
3	64QAM	1	0	10.71	10.89	10.96		
3	64QAM	1	8	10.76	10.93	10.81	12.5	0
3	64QAM	1	14	10.79	10.96	10.78		
3	64QAM	8	0	10.66	10.91	10.91	12.5	0
3	64QAM	8	4	10.81	10.97	10.90		
3	64QAM	8	7	10.62	10.89	10.86	12.5	0
3	64QAM	15	0	10.73	10.90	10.81		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	10.80	11.08	10.98		
1.4	QPSK	1	1	10.66	10.97	10.71	12.5	0
1.4	QPSK	1	5	10.65	10.78	10.99		
1.4	QPSK	3	0	10.72	10.99	10.87		
1.4	QPSK	3	1	10.64	10.92	10.80		
1.4	QPSK	3	3	10.66	10.98	10.84		
1.4	QPSK	6	0	10.90	10.97	10.95	12.5	0
1.4	16QAM	1	0	10.67	10.89	10.95		
1.4	16QAM	1	3	10.67	10.90	10.85		
1.4	16QAM	1	5	10.78	10.97	10.83	12.5	0
1.4	16QAM	3	0	10.81	10.98	10.78		
1.4	16QAM	3	1	10.68	11.02	10.96		
1.4	16QAM	3	3	10.82	10.99	10.84	12.5	0
1.4	64QAM	1	0	10.67	10.90	10.84		
1.4	64QAM	1	0	10.63	10.97	10.97		
1.4	64QAM	1	3	10.73	10.93	10.90		
1.4	64QAM	1	5	10.74	11.04	10.86	12.5	0
1.4	64QAM	3	0	10.69	10.94	10.80		
1.4	64QAM	3	3	10.71	10.96	10.86	12.5	0
1.4	64QAM	3	3	10.63	10.85	10.93		
1.4	64QAM	6	0	10.81	10.90	10.86	12.5	0

Band 7 DSI7 Ant1 NSA											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Tune-up limit (dbm)	MPR (db)
				Ch / Freq.		Ch / Freq.		Ch / Freq.			
Channel				20850	21100	21350					
Frequency (MHz)				2010	2035	2060					
20	QPSK	1	0	13.02	13.09	12.90					
20	QPSK	1	49	12.94	12.94	12.87					
20	QPSK	1	99	12.99	12.96	12.77					
20	QPSK	50	0	12.86	12.98	12.85					
20	QPSK	50	24	12.90	12.95	12.85					
20	QPSK	50	50	12.95	12.94	12.85					
20	QPSK	100	0	12.92	12.96	12.77					
20	16QAM	1	0	12.87	13.01	12.75					
20	16QAM	1	49	12.88	13.05	12.86					
20	16QAM	1	99	12.86	13.02	12.79					
20	16QAM	50	0	12.91	12.96	12.84					
20	16QAM	50	24	12.92	13.00	12.85					
20	16QAM	50	50	12.97	12.95	12.80					
20	16QAM	100	0	12.91	13.07	12.80					
20	64QAM	1	0	12.97	12.94	12.85					
20	64QAM	1	49	12.94	13.05	12.88					
20	64QAM	1	99	13.00	12.97	12.75					
20	64QAM	50	0	12.90	12.96	12.85					
20	64QAM	50	24	12.90	13.04	12.74					
20	64QAM	50	50	12.94	13.00	12.83					
20	64QAM	100	0	12.95	13.02	12.81					
Channel				20825	21100	21375	Tune-up limit (dbm)		MPR (db)		
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	12.96	12.96	12.80					
15	QPSK	1	37	12.82	12.83	12.80					
15	QPSK	1	74	12.94	12.84	12.68					
15	QPSK	36	0	12.80	12.85	12.77					
15	QPSK	36	20	12.84	12.89	12.78					
15	QPSK	36	39	12.81	12.83	12.76					
15	QPSK	75	0	12.84	12.85	12.75					
15	16QAM	1	0	12.79	12.96	12.84					
15	16QAM	1	37	12.77	12.91	12.74					
15	16QAM	1	74	12.72	12.91	12.73					
15	16QAM	36	0	12.88	12.88	12.74					
15	16QAM	36	20	12.77	12.90	12.81					
15	16QAM	36	39	12.90	12.82	12.68					
15	16QAM	75	0	12.85	13.04	12.67					
15	64QAM	1	0	12.83	12.84	12.79					
15	64QAM	1	37	12.89	12.97	12.81					
15	64QAM	1	74	12.88	12.87	12.66					
15	64QAM	36	0	12.79	12.88	12.82					
15	64QAM	36	20	12.75	13.00	12.71					
15	64QAM	36	39	12.82	12.89	12.69					
15	64QAM	75	0	12.84	12.91	12.78					
Channel				20900	21100	21400	Tune-up limit (dbm)		MPR (db)		
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	12.93	12.98	12.77					
10	QPSK	1	25	12.86	12.82	12.75					
10	QPSK	1	49	12.89	12.84	12.75					
10	QPSK	25	0	12.73	12.91	12.71					
10	QPSK	25	12	12.75	12.86	12.72					
10	QPSK	25	25	12.82	12.81	12.81					
10	QPSK	50	0	12.89	12.86	12.71					
10	16QAM	1	0	12.80	12.90	12.72					
10	16QAM	1	25	12.86	12.89	12.72					
10	16QAM	1	49	12.79	12.95	12.75					
10	16QAM	25	0	12.82	12.93	12.75					
10	16QAM	25	12	12.85	12.87	12.71					
10	16QAM	25	25	12.87	12.81	12.75					
10	16QAM	50	0	12.82	13.02	12.66					
10	64QAM	1	0	12.82	12.91	12.72					
10	64QAM	1	25	12.81	12.95	12.79					
10	64QAM	1	49	12.96	12.88	12.72					
10	64QAM	25	0	12.79	12.88	12.81					
10	64QAM	25	12	12.87	12.98	12.63					
10	64QAM	25	25	12.81	12.85	12.77					
10	64QAM	50	0	12.81	12.97	12.72					
Channel				20775	21100	21425	Tune-up limit (dbm)		MPR (db)		
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	12.87	12.96	12.79					
5	QPSK	1	12	12.81	12.87	12.79					
5	QPSK	1	24	12.89	12.84	12.64					
5	QPSK	12	0	12.80	12.85	12.75					
5	QPSK	12	7	12.82	12.87	12.72					
5	QPSK	12	13	12.92	12.89	12.74					
5	QPSK	25	0	12.87	12.90	12.70					
5	16QAM	1	0	12.76	12.92	12.85					
5	16QAM	1	12	12.82	12.90	12.81					
5	16QAM	1	24	12.82	12.92	12.72					
5	16QAM	12	0	12.75	12.92	12.73					
5	16QAM	12	7	12.82	12.85	12.78					
5	16QAM	12	13	12.95	12.80	12.70					
5	16QAM	25	0	12.75	12.97	12.84					
5	64QAM	1	0	12.92	12.90	12.83					
5	64QAM	1	12	12.85	12.93	12.86					
5	64QAM	1	24	12.87	12.94	12.63					
5	64QAM	12	0	12.78	12.87	12.69					
5	64QAM	12	7	12.82	12.97	12.61					
5	64QAM	12	13	12.90	12.84	12.74					
5	64QAM	25	0	12.84	12.91	12.66					

Band 38 DS17 Ant1 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.61	15.62	15.56	16.5	0	
20	QPSK	1	49	15.62	15.55	15.52			
20	QPSK	1	99	15.54	15.53	15.59			
20	QPSK	50	0	15.55	15.60	15.59	16.5	0	
20	QPSK	50	24	15.57	15.58	15.58			
20	QPSK	50	50	15.63	15.51	15.57			
20	QPSK	100	0	15.50	15.54	15.53	16.5	0	
20	16QAM	1	0	15.53	15.50	15.52			
20	16QAM	1	49	15.53	15.58	15.57			
20	16QAM	1	99	15.54	15.57	15.54	16.5	0	
20	16QAM	50	0	15.53	15.57	15.51			
20	16QAM	50	24	15.58	15.55	15.53			
20	16QAM	50	50	15.51	15.53	15.59	16.5	0	
20	16QAM	100	0	15.51	15.57	15.53			
20	64QAM	1	0	15.57	15.55	15.58			
20	64QAM	1	49	15.58	15.60	15.51	16.5	0	
20	64QAM	1	99	15.51	15.60	15.53			
20	64QAM	50	0	15.56	15.58	15.59			
20	64QAM	50	24	15.50	15.51	15.57	16.5	0	
20	64QAM	50	50	15.57	15.52	15.58			
20	64QAM	100	0	15.54	15.59	15.53			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.59	15.50	15.51			
15	QPSK	1	37	15.58	15.58	15.54	16.5	0	
15	QPSK	1	74	15.57	15.56	15.55			
15	QPSK	36	0	15.58	15.58	15.51			
15	QPSK	36	20	15.55	15.50	15.56	16.5	0	
15	QPSK	36	39	15.51	15.52	15.59			
15	QPSK	75	0	15.53	15.55	15.59			
15	16QAM	1	0	15.51	15.53	15.59	16.5	0	
15	16QAM	1	37	15.59	15.58	15.54			
15	16QAM	1	74	15.56	15.52	15.58			
15	16QAM	36	0	15.57	15.54	15.50	16.5	0	
15	16QAM	36	20	15.53	15.59	15.52			
15	16QAM	36	39	15.56	15.55	15.51			
15	16QAM	75	0	15.50	15.58	15.60	16.5	0	
15	64QAM	1	0	15.58	15.57	15.56			
15	64QAM	1	37	15.51	15.59	15.50			
15	64QAM	1	74	15.53	15.52	15.51	16.5	0	
15	64QAM	36	0	15.52	15.57	15.60			
15	64QAM	36	20	15.53	15.53	15.58			
15	64QAM	36	39	15.52	15.60	15.54	16.5	0	
15	64QAM	75	0	15.56	15.54	15.56			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.54	15.57	15.54			
10	QPSK	1	25	15.51	15.53	15.50	16.5	0	
10	QPSK	1	49	15.57	15.54	15.55			
10	QPSK	25	0	15.54	15.50	15.56			
10	QPSK	25	12	15.53	15.50	15.52	16.5	0	
10	QPSK	25	25	15.54	15.54	15.56			
10	QPSK	50	0	15.55	15.56	15.53			
10	16QAM	1	0	15.51	15.51	15.58	16.5	0	
10	16QAM	1	25	15.53	15.50	15.54			
10	16QAM	1	49	15.58	15.52	15.54			
10	16QAM	25	0	15.56	15.57	15.58	16.5	0	
10	16QAM	25	12	15.52	15.52	15.53			
10	16QAM	25	25	15.52	15.59	15.57			
10	16QAM	50	0	15.55	15.50	15.59	16.5	0	
10	64QAM	1	0	15.54	15.53	15.57			
10	64QAM	1	25	15.57	15.54	15.58			
10	64QAM	1	49	15.51	15.57	15.51	16.5	0	
10	64QAM	25	0	15.58	15.57	15.53			
10	64QAM	25	12	15.56	15.55	15.53			
10	64QAM	25	25	15.50	15.59	15.58	16.5	0	
10	64QAM	50	0	15.54	15.59	15.58			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.56	15.55	15.51			
5	QPSK	1	12	15.55	15.52	15.55	16.5	0	
5	QPSK	1	24	15.50	15.50	15.56			
5	QPSK	12	0	15.56	15.50	15.56			
5	QPSK	12	7	15.56	15.53	15.58	16.5	0	
5	QPSK	12	13	15.57	15.54	15.54			
5	QPSK	25	0	15.51	15.50	15.58			
5	16QAM	1	0	15.57	15.56	15.54	16.5	0	
5	16QAM	1	12	15.51	15.52	15.50			
5	16QAM	1	24	15.50	15.55	15.58			
5	16QAM	12	0	15.51	15.50	15.53	16.5	0	
5	16QAM	12	7	15.52	15.50	15.56			
5	16QAM	12	13	15.53	15.54	15.51			
5	16QAM	25	0	15.53	15.54	15.54	16.5	0	
5	64QAM	1	0	15.57	15.56	15.58			
5	64QAM	1	12	15.58	15.50	15.54			
5	64QAM	1	24	15.52	15.53	15.54	16.5	0	
5	64QAM	12	0	15.55	15.57	15.53			
5	64QAM	12	7	15.53	15.55	15.54			
5	64QAM	12	13	15.58	15.57	15.59	16.5	0	
5	64QAM	25	0	15.58	15.51	15.59			



Band 4 DS17 Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	13.68	13.72	13.70	15	0			
20	QPSK	1	49	13.60	13.70	13.58					
20	QPSK	1	99	13.54	13.63	13.49					
20	QPSK	50	0	13.61	13.66	13.55	15	0			
20	QPSK	50	24	13.52	13.59	13.47					
20	QPSK	50	50	13.61	13.63	13.65					
20	QPSK	100	0	13.53	13.61	13.55	15	0			
20	16QAM	1	0	13.37	13.50	13.40					
20	16QAM	1	49	13.32	13.41	13.40					
20	16QAM	1	99	13.49	13.34	13.49	15	0			
20	16QAM	50	0	13.44	13.46	13.25					
20	16QAM	50	24	13.46	13.44	13.23					
20	16QAM	50	50	13.41	13.54	13.40	15	0			
20	16QAM	100	0	13.34	13.52	13.46					
20	64QAM	1	0	13.45	13.37	13.39					
20	64QAM	1	49	13.43	13.43	13.36	15	0			
20	64QAM	1	99	13.47	13.54	13.40					
20	64QAM	50	0	13.34	13.34	13.37					
20	64QAM	50	24	13.53	13.42	13.47	15	0			
20	64QAM	50	50	13.30	13.45	13.44					
20	64QAM	100	0	13.45	13.49	13.40					
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	13.45	13.47	13.57	15	0			
15	QPSK	1	37	13.51	13.62	13.46					
15	QPSK	1	74	13.43	13.51	13.32					
15	QPSK	36	0	13.58	13.60	13.35	15	0			
15	QPSK	36	20	13.48	13.44	13.40					
15	QPSK	36	39	13.56	13.44	13.61					
15	QPSK	75	0	13.28	13.46	13.53	15	0			
15	16QAM	1	0	13.32	13.36	13.38					
15	16QAM	1	37	13.24	13.15	13.37					
15	16QAM	1	74	13.46	13.13	13.30	15	0			
15	16QAM	36	0	13.36	13.42	13.09					
15	16QAM	36	20	13.43	13.38	13.36					
15	16QAM	36	39	13.26	13.55	13.25	15	0			
15	16QAM	75	0	13.25	13.39	13.31					
15	64QAM	1	0	13.33	13.16	13.29					
15	64QAM	1	37	13.18	13.24	13.15	15	0			
15	64QAM	1	74	13.38	13.38	13.30					
15	64QAM	36	0	13.25	13.52	13.21					
15	64QAM	36	20	13.55	13.33	13.36	15	0			
15	64QAM	36	39	13.27	13.17	13.28					
15	64QAM	75	0	13.34	13.38	13.40					
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	13.54	13.59	13.57	15	0			
10	QPSK	1	25	13.51	13.63	13.57					
10	QPSK	1	49	13.44	13.48	13.25					
10	QPSK	25	0	13.48	13.50	13.46	15	0			
10	QPSK	25	12	13.38	13.46	13.36					
10	QPSK	25	25	13.42	13.38	13.58					
10	QPSK	50	0	13.48	13.43	13.45	15	0			
10	16QAM	1	0	13.32	13.43	13.37					
10	16QAM	1	25	13.17	13.21	13.22					
10	16QAM	1	49	13.27	13.22	13.22	15	0			
10	16QAM	25	0	13.31	13.36	13.21					
10	16QAM	25	12	13.35	13.27	13.10					
10	16QAM	25	25	13.25	13.49	13.32	15	0			
10	16QAM	50	0	13.26	13.53	13.25					
10	64QAM	1	0	13.35	13.22	13.20					
10	64QAM	1	25	13.29	13.49	13.24	15	0			
10	64QAM	1	49	13.36	13.39	13.26					
10	64QAM	25	0	13.35	13.45	13.04					
10	64QAM	25	12	13.43	13.29	13.38	15	0			
10	64QAM	25	25	13.31	13.33	13.22					
10	64QAM	50	0	13.25	13.31	13.17					
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	13.44	13.63	13.44	15	0			
5	QPSK	1	12	13.47	13.51	13.57					
5	QPSK	1	24	13.40	13.50	13.38					
5	QPSK	12	0	13.58	13.51	13.37	15	0			
5	QPSK	12	7	13.47	13.52	13.30					
5	QPSK	12	13	13.55	13.49	13.61					
5	QPSK	25	0	13.40	13.49	13.40	15	0			
5	16QAM	1	0	13.31	13.53	13.34					
5	16QAM	1	12	13.31	13.26	13.31					
5	16QAM	1	24	13.24	13.12	13.26	15	0			
5	16QAM	12	0	13.28	13.26	13.30					
5	16QAM	12	7	13.43	13.45	13.06					
5	16QAM	12	13	13.39	13.41	13.40	15	0			
5	16QAM	25	0	13.31	13.55	13.27					
5	64QAM	1	0	13.26	13.20	13.36					
5	64QAM	1	12	13.25	13.44	13.15	15	0			
5	64QAM	1	24	13.49	13.40	13.38					
5	64QAM	12	0	13.34	13.45	13.05					
5	64QAM	12	7	13.42	13.12	13.44	15	0			
5	64QAM	12	13	13.40	13.46	13.42					
5	64QAM	25	0	13.40	13.51	13.35					
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	13.54	13.57	13.55	15	0			
3	QPSK	1	8	13.65	13.51	13.57					
3	QPSK	1	14	13.30	13.53	13.37					
3	QPSK	8	0	13.46	13.55	13.38	15	0			
3	QPSK	8	4	13.49	13.66	13.28					
3	QPSK	8	7	13.58	13.50	13.42					
3	QPSK	15	0	13.36	13.61	13.41	15	0			
3	16QAM	1	0	13.35	13.51	13.36					
3	16QAM	1	8	13.09	13.10	13.27					
3	16QAM	1	14	13.32	13.28	13.45	15	0			
3	16QAM	8	0	13.24	13.41	13.24					
3	16QAM	8	4	13.29	13.38	13.08	15	0			
3	16QAM	8	7	13.32	13.42	13.27					
3	16QAM	15	0	13.16	13.38	13.21					
3	64QAM	1	0	13.27	13.28	13.34	15	0			
3	64QAM	1	8	13.32	13.30	13.19					
3	64QAM	1	14	13.47	13.44	13.15					
3	64QAM	8	0	13.43	13.35	13.17	15	0			
3	64QAM	8	4	13.55	13.23	13.49					
3	64QAM	8	7	13.27	13.32	13.27					
3	64QAM	15	0	13.28	13.47	13.43					
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710	1732.5	1754.3					
1.4	QPSK	1	0	13.56	13.67	13.60	15	0			
1.4	QPSK	1	3	13.52	13.53	13.61					
1.4	QPSK	1	5	13.45	13.48	13.45					
1.4	QPSK	3	0	13.57	13.60	13.54	15	0			
1.4	QPSK	3	1	13.54	13.49	13.47					
1.4	QPSK	3	3	13.34	13.36	13.59					
1.4	QPSK	6	0	13.47	13.44	13.45	15	0			
1.4	16QAM	1	0	13.39	13.46	13.21					
1.4	16QAM	1	3	13.13	13.24	13.19					
1.4	16QAM	1	5	13.27	13.12	13.39	15	0			
1.4	16QAM	3	0	13.40	13.34	13.28					
1.4	16QAM	3	1	13.31	13.27	13.33					
1.4	16QAM	3	3	13.16	13.32	13.28	15	0			
1.4	16QAM	6	0	13.08	13.48	13.09					
1.4	64QAM	1	0	13.49	13.25	13.43					
1.4	64QAM	1	3	13.39	13.45	13.25	15	0			
1.4	64QAM	1	5	13.37	13.40	13.22					
1.4	64QAM	3	0	13.27	13.51	13.25					
1.4	64QAM	3	1	13.43	13.22	13.35	15	0			
1.4	64QAM	3	3	13.10	13.23	13.37					
1.4	64QAM	6	0	13.35	13.34	13.20					



Reduced Power Mode for DSI3

DSI3 SA GSM850 Amd									
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame Average Power (dBm)				Tune-up Limit (dBm)
TX Channel	128	188	251		128	188	251	Limit	
Frequency (MHz)	854.2	854.4	854.8		854.2	854.4	854.8		
GSM 1 Tx slot	29.15	29.21	29.06	30.50	20.15	20.21	20.06	21.50	
GPRS 1 Tx slot	29.08	29.14	29.06	30.50	20.08	20.14	20.06	21.50	
GPRS 2 Tx slots	28.16	28.21	28.13	29.50	22.16	22.21	22.13	23.50	
GPRS 3 Tx slots	28.57	28.70	28.57	28.00	22.31	22.44	22.31	23.74	
GPRS 4 Tx slots	25.68	25.73	25.68	27.00	22.68	22.73	22.68	24.00	
EDGE 1 Tx slot	24.09	24.20	24.13	25.50	15.09	15.20	15.13	16.50	
EDGE 2 Tx slots	23.16	23.19	23.11	24.50	17.16	17.19	17.11	18.50	
EDGE 3 Tx slots	20.67	20.77	20.72	22.50	16.41	16.51	16.46	18.24	
EDGE 4 Tx slots	19.37	19.47	19.42	21.00	16.37	16.47	16.42	18.00	

DSI3 SA GSM1900 Amd									
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame Average Power (dBm)				Tune-up Limit (dBm)
TX Channel	512	861	810		512	861	810	Limit	
Frequency (MHz)	1850.2	1860	1900.8		1850.2	1860	1900.8		
GSM 1 Tx slot	21.54	21.66	21.62	23.00	12.54	12.66	12.62	14.00	
GPRS 1 Tx slot	21.45	21.58	21.51	23.00	12.45	12.58	12.51	14.00	
GPRS 2 Tx slots	20.54	20.67	20.57	22.00	14.54	14.67	14.57	16.00	
GPRS 3 Tx slots	19.00	19.10	19.06	20.50	14.74	14.84	14.80	16.24	
GPRS 4 Tx slots	18.04	18.08	17.98	19.50	15.04	15.08	14.98	16.50	
EDGE 1 Tx slot	18.00	18.14	18.03	19.50	9.00	9.14	9.03	10.50	
EDGE 2 Tx slots	17.02	17.07	16.95	18.50	11.02	11.07	10.95	12.50	
EDGE 3 Tx slots	15.53	15.62	15.54	17.00	11.27	11.36	11.28	12.74	
EDGE 4 Tx slots	14.39	14.54	14.42	16.00	11.39	11.54	11.42	13.00	

DSI3 SA WCDMA II Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA IV Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		
Frequency (MHz)	1852.4	1860	1907.8		1712.4	1732.5	1752.6		

DSI3 SA WCDMA V Amd									
Band				Tune-up Limit (dBm)	Band				Tune-up Limit (dBm)
TX Channel	9562	9600	9538		1312	1413	1513	Limit	
Rx Channel	9602	9600	9538		1537	1638	1738		</

Band 2 DSI3 SA												
BW (MHz)	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	14.85	14.98	14.94	16.5	0				
20	QPSK	1	49	14.73	14.85	14.92						
20	QPSK	1	99	14.76	14.86	14.86						
20	QPSK	50	0	14.89	14.93	14.91	16.5	0				
20	QPSK	50	24	14.70	14.81	14.82						
20	QPSK	50	50	14.81	14.89	14.87						
20	QPSK	100	0	14.88	14.89	14.71	16.5	0				
20	16QAM	1	0	14.77	14.89	14.85						
20	16QAM	1	49	14.72	14.93	14.88						
20	16QAM	1	99	14.81	14.84	14.83	16.5	0				
20	16QAM	50	0	14.72	14.85	14.86						
20	16QAM	50	24	14.75	14.90	14.84						
20	16QAM	50	50	14.72	14.82	14.87	16.5	0				
20	16QAM	100	0	14.77	14.83	14.82						
20	64QAM	1	0	14.74	14.88	14.78	16.5	0				
20	64QAM	1	49	14.71	14.93	14.89						
20	64QAM	1	99	14.72	14.93	14.80						
20	64QAM	50	0	14.82	14.85	14.85	16.5	0				
20	64QAM	50	24	14.72	14.88	14.92						
20	64QAM	50	50	14.74	14.90	14.91						
20	64QAM	100	0	14.83	14.93	14.89	16.5	0				
Channel				19675	19900	19125			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18600	1902.5						
15	QPSK	1	0	14.73	14.89	14.92	16.5	0				
15	QPSK	1	37	14.68	14.82	14.77						
15	QPSK	1	74	14.64	14.72	14.80						
15	QPSK	36	0	14.85	14.80	14.88	16.5	0				
15	QPSK	36	20	14.59	14.84	14.76						
15	QPSK	36	39	14.69	14.82	14.73						
15	QPSK	75	0	14.76	14.75	14.67	16.5	0				
15	16QAM	1	0	14.65	14.80	14.80						
15	16QAM	1	37	14.65	14.88	14.85						
15	16QAM	1	74	14.71	14.76	14.77	16.5	0				
15	16QAM	36	0	14.57	14.81	14.70						
15	16QAM	36	20	14.72	14.77	14.74						
15	16QAM	36	39	14.57	14.74	14.74	16.5	0				
15	16QAM	75	0	14.63	14.80	14.76						
15	64QAM	1	0	14.58	14.83	14.64						
15	64QAM	1	37	14.67	14.87	14.85	16.5	0				
15	64QAM	1	74	14.68	14.82	14.72						
15	64QAM	36	0	14.80	14.75	14.72						
15	64QAM	36	20	14.58	14.81	14.77	16.5	0				
15	64QAM	36	39	14.66	14.82	14.78						
15	64QAM	75	0	14.73	14.86	14.81						
Channel				19650	19900	19150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1855	1880	1905						
10	QPSK	1	0	14.74	14.84	14.91	16.5	0				
10	QPSK	1	25	14.59	14.77	14.81						
10	QPSK	1	49	14.70	14.82	14.75						
10	QPSK	25	0	14.83	14.85	14.78	16.5	0				
10	QPSK	25	12	14.57	14.80	14.78						
10	QPSK	25	25	14.67	14.83	14.81						
10	QPSK	50	0	14.85	14.86	14.58	16.5	0				
10	16QAM	1	0	14.75	14.73	14.72						
10	16QAM	1	25	14.61	14.89	14.77						
10	16QAM	1	49	14.66	14.71	14.79	16.5	0				
10	16QAM	25	0	14.57	14.73	14.84						
10	16QAM	25	12	14.66	14.78	14.69						
10	16QAM	25	25	14.70	14.79	14.80	16.5	0				
10	16QAM	50	0	14.68	14.81	14.80						
10	64QAM	1	0	14.69	14.86	14.71						
10	64QAM	1	25	14.62	14.78	14.86	16.5	0				
10	64QAM	1	49	14.64	14.84	14.70						
10	64QAM	25	0	14.66	14.70	14.70						
10	64QAM	25	12	14.66	14.73	14.88	16.5	0				
10	64QAM	25	25	14.59	14.76	14.85						
10	64QAM	50	0	14.80	14.91	14.74						
Channel				19625	19900	19175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1852.5	1860	1902.5						
5	QPSK	1	0	14.77	14.92	14.84	16.5	0				
5	QPSK	1	12	14.63	14.75	14.78						
5	QPSK	1	24	14.60	14.75	14.78						
5	QPSK	12	0	14.76	14.90	14.88	16.5	0				
5	QPSK	12	7	14.62	14.79	14.75						
5	QPSK	12	13	14.76	14.84	14.74						
5	QPSK	25	0	14.84	14.80	14.55	16.5	0				
5	16QAM	1	0	14.63	14.79	14.80						
5	16QAM	1	12	14.58	14.83	14.79						
5	16QAM	1	24	14.78	14.76	14.75	16.5	0				
5	16QAM	12	0	14.66	14.81	14.71						
5	16QAM	12	7	14.67	14.83	14.72						
5	16QAM	12	13	14.65	14.78	14.80	16.5	0				
5	16QAM	25	0	14.61	14.72	14.72						
5	64QAM	1	0	14.63	14.79	14.76						
5	64QAM	1	12	14.60	14.85	14.76	16.5	0				
5	64QAM	1	24	14.66	14.79	14.74						
5	64QAM	12	0	14.69	14.71	14.69						
5	64QAM	12	7	14.59	14.83	14.80	16.5	0				
5	64QAM	12	13	14.64	14.83	14.84						
5	64QAM	25	0	14.70	14.88	14.81						
Channel				19615	19900	19185	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1851.5	1860	1908.5						
3	QPSK	1	0	14.69	14.83	14.85	16.5	0				
3	QPSK	1	8	14.58	14.80	14.78						
3	QPSK	1	14	14.72	14.81	14.75						
3	QPSK	8	0	14.79	14.87	14.87	16.5	0				
3	QPSK	8	4	14.60	14.84	14.77						
3	QPSK	8	7	14.75	14.77	14.80						
3	QPSK	15	0	14.83	14.74	14.68	16.5	0				
3	16QAM	1	0	14.65	14.74	14.71						
3	16QAM	1	8	14.67	14.78	14.76						
3	16QAM	1	14	14.71	14.77	14.74	16.5	0				
3	16QAM	8	0	14.70	14.72	14.79						
3	16QAM	8	4	14.59	14.76	14.68						
3	16QAM	8	7	14.60	14.69	14.73	16.5	0				
3	16QAM	15	0	14.64	14.74	14.73						
3	64QAM	1	0	14.70	14.82	14.68						
3	64QAM	1	8	14.69	14.91	14.83	16.5	0				
3	64QAM	1	14	14.63	14.86	14.80						
3	64QAM	8	0	14.69	14.74	14.68						
3	64QAM	8	4	14.69	14.79	14.86	16.5	0				
3	64QAM	8	7	14.65	14.85	14.85						
3	64QAM	15	0	14.68	14.78	14.85						
Channel				19607	19900	19193	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1850.7	1860	1909.3						
1.4	QPSK	1	0	14.76	14.86	14.87	16.5	0				
1.4	QPSK	1	14	14.71	14.73	14.81						
1.4	QPSK	1	5	14.73	14.81	14.77						
1.4	QPSK	3	0	14.83	14.83	14.89	16.5	0				
1.4	QPSK	3	1	14.60	14.89	14.73						
1.4	QPSK	3	3	14.76	14.80	14.77						
1.4	QPSK	6	0	14.76	14.81	14.83	16.5	0				
1.4	16QAM	1	0	14.74	14.84	14.70						
1.4	16QAM	1	3	14.65	14.76	14.84						
1.4	16QAM	1	5	14.73	14.69	14.73	16.5	0				
1.4	16QAM	3	0	14.60	14.72	14.71						
1.4	16QAM	3	1	14.70	14.83	14.70						
1.4	16QAM	3	3	14.76	14.76	14.77	16.5	0				
1.4	16QAM	6	0	14.62	14.78	14.75						
1.4	64QAM	1	0	14.58	14.81	14.69						
1.4	64QAM	1	3	14.66	14.86	14.87	16.5	0				
1.4	64QAM	1	5	14.58	14.78	14.64						
1.4	64QAM	3	0	14.66	14.70	14.67						
1.4	64QAM	3	3	14.57	14.72	14.77	16.5	0				
1.4	64QAM	3	5	14.59	14.78	14.80						
1.4	64QAM	6	0	14.69	14.80	14.80						

Band 13 DSI3 Ant0 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		22.03		23.5	0	
10	QPSK	1	25		21.92				
10	QPSK	1	49		21.97				
10	QPSK	25	0		21.48		23	0.5	
10	QPSK	25	12		21.44				
10	QPSK	25	25		21.41				
10	QPSK	50	0		21.42		23	0.5	
10	16QAM	1	0		21.62				
10	16QAM	1	25		21.56				
10	16QAM	1	49		21.58		22	1.5	
10	16QAM	25	0		20.48				
10	16QAM	25	12		20.43				
10	16QAM	25	25		20.35		22	1.5	
10	16QAM	50	0		20.45				
10	64QAM	1	0		20.51				
10	64QAM	1	25		20.47		22	1.5	
10	64QAM	1	49		20.38				
10	64QAM	25	0		19.45				
10	64QAM	25	12		19.35		21	2.5	
10	64QAM	25	25		19.34				
10	64QAM	50	0		19.41				
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dbm)		MPR (db)
5	QPSK	1	0	21.90	21.90	21.84	23.5	0	
5	QPSK	1	12	21.89	21.89	21.84			
5	QPSK	1	24	21.87	21.92	21.83			
5	QPSK	12	0	21.42	21.38	21.34	23	0.5	
5	QPSK	12	7	21.33	21.31	21.36			
5	QPSK	12	13	21.32	21.27	21.28			
5	QPSK	25	0	21.31	21.33	21.38	23	0.5	
5	16QAM	1	0	21.56	21.57	21.51			
5	16QAM	1	12	21.50	21.43	21.50			
5	16QAM	1	24	21.45	21.45	21.46	22	1.5	
5	16QAM	12	0	20.38	20.38	20.40			
5	16QAM	12	7	20.34	20.31	20.30			
5	16QAM	12	13	20.20	20.22	20.31	22	1.5	
5	16QAM	25	0	20.31	20.38	20.36			
5	64QAM	1	0	20.38	20.48	20.43			
5	64QAM	1	12	20.38	20.34	20.41	22	1.5	
5	64QAM	1	24	20.24	20.34	20.25			
5	64QAM	12	0	19.41	19.36	19.37			
5	64QAM	12	7	19.20	19.23	19.20	21	2.5	
5	64QAM	12	13	19.27	19.20	19.26			
5	64QAM	25	0	19.31	19.35	19.32			

Band 26 DSIS Ant0 SA												
BW [MHz]	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)				821.5	831.5	841.5						
15	QPSK	1	0	20.95	21.06	21.01	22.5	0				
15	QPSK	1	37	20.90	21.04	20.91						
15	QPSK	1	74	20.88	20.98	20.83						
15	QPSK	36	0	20.93	21.04	21.03	22.5	0				
15	QPSK	36	20	20.86	20.98	20.93						
15	QPSK	36	39	20.92	20.96	20.84						
15	QPSK	75	0	20.97	21.07	21.03	22.5	0				
15	16QAM	1	0	20.92	20.98	20.96						
15	16QAM	1	37	20.88	21.03	20.94						
15	16QAM	1	74	20.93	20.99	20.90	22	0.5				
15	16QAM	36	0	20.42	20.54	20.45						
15	16QAM	36	20	20.38	20.50	20.42						
15	16QAM	36	39	20.47	20.51	20.39	22	0.5				
15	16QAM	75	0	20.37	20.50	20.40						
15	64QAM	1	0	20.60	20.65	20.57	22	0.5				
15	64QAM	1	37	20.64	20.68	20.62						
15	64QAM	1	74	20.47	20.59	20.51						
15	64QAM	36	0	19.39	19.53	19.44	21	1.5				
15	64QAM	36	20	19.50	19.55	19.43						
15	64QAM	36	39	19.34	19.44	19.33						
15	64QAM	75	0	19.44	19.47	19.34	21	1.5				
Channel												
Frequency (MHz)				26740	26865	26990				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	20.95	21.01	20.92				22.5	0	
10	QPSK	1	25	20.86	21.00	20.84						
10	QPSK	1	49	20.83	20.98	20.82						
10	QPSK	25	0	20.92	20.95	20.97	22.5	0				
10	QPSK	25	12	20.82	20.91	20.90						
10	QPSK	25	25	20.87	20.87	20.74						
10	QPSK	50	0	20.92	21.01	21.02	22.5	0				
10	16QAM	1	0	20.88	20.94	20.92						
10	16QAM	1	25	20.88	21.00	20.92						
10	16QAM	1	49	20.91	20.93	20.86	22	0.5				
10	16QAM	25	0	20.36	20.42	20.33						
10	16QAM	25	12	20.35	20.42	20.31						
10	16QAM	25	25	20.40	20.44	20.28	22	0.5				
10	16QAM	50	0	20.32	20.42	20.26						
10	64QAM	1	0	20.52	20.60	20.46						
10	64QAM	1	25	20.55	20.60	20.56	22	0.5				
10	64QAM	1	49	20.37	20.44	20.44						
10	64QAM	25	0	19.32	19.49	19.36						
10	64QAM	25	12	19.39	19.43	19.45	21	1.5				
10	64QAM	25	25	19.20	19.31	19.21						
10	64QAM	50	0	19.41	19.38	19.22						
Channel												
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	20.92	21.00	20.94	22.5	0				
5	QPSK	1	12	20.81	21.01	20.83						
5	QPSK	1	24	20.85	20.95	20.77						
5	QPSK	12	0	20.87	21.02	20.98	22.5	0				
5	QPSK	12	7	20.82	20.88	20.82						
5	QPSK	12	13	20.89	20.91	20.83						
5	QPSK	25	0	20.87	20.99	21.01	22.5	0				
5	16QAM	1	0	20.86	20.97	20.93						
5	16QAM	1	12	20.78	20.98	20.85						
5	16QAM	1	24	20.88	20.91	20.82	22	0.5				
5	16QAM	12	0	20.30	20.42	20.29						
5	16QAM	12	7	20.34	20.39	20.29						
5	16QAM	12	13	20.39	20.48	20.29	22	0.5				
5	16QAM	25	0	20.32	20.44	20.30						
5	64QAM	1	0	20.46	20.62	20.42						
5	64QAM	1	12	20.57	20.63	20.47	22	0.5				
5	64QAM	1	24	20.40	20.46	20.41						
5	64QAM	12	0	19.30	19.38	19.30						
5	64QAM	12	7	19.42	19.44	19.39	21	1.5				
5	64QAM	12	13	19.25	19.31	19.27						
5	64QAM	25	0	19.35	19.39	19.19						
Channel												
Frequency (MHz)				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				814.7	831.5	847.5						
3	QPSK	1	0	20.87	20.99	20.88	22.5	0				
3	QPSK	1	8	20.86	21.02	20.88						
3	QPSK	1	14	20.86	20.91	20.82						
3	QPSK	8	0	20.87	20.99	20.96	22.5	0				
3	QPSK	8	4	20.86	20.93	20.88						
3	QPSK	8	7	20.92	20.96	20.84						
3	QPSK	15	0	20.89	20.95	20.99	22.5	0				
3	16QAM	1	0	20.86	20.91	20.89						
3	16QAM	1	8	20.79	20.95	20.89						
3	16QAM	1	14	20.90	20.89	20.86	22	0.5				
3	16QAM	8	0	20.35	20.40	20.31						
3	16QAM	8	4	20.25	20.45	20.33						
3	16QAM	8	7	20.39	20.39	20.29	22	0.5				
3	16QAM	15	0	20.29	20.39	20.27						
3	64QAM	1	0	20.53	20.59	20.54						
3	64QAM	1	8	20.57	20.60	20.55	22	0.5				
3	64QAM	1	14	20.44	20.53	20.40						
3	64QAM	8	0	19.24	19.47	19.30						
3	64QAM	8	4	19.38	19.48	19.37	21	1.5				
3	64QAM	8	7	19.31	19.29	19.24						
3	64QAM	15	0	19.33	19.41	19.21						
Channel												
Frequency (MHz)				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)				
1.4	QPSK	1	0	20.82	20.98	20.93	22.5	0				
1.4	QPSK	1	3	20.85	20.84	20.87						
1.4	QPSK	1	5	20.75	20.89	20.83						
1.4	QPSK	3	0	20.93	21.00	20.87	22.5	0				
1.4	QPSK	3	1	20.91	20.97	20.83						
1.4	QPSK	3	3	20.70	20.79	20.84						
1.4	QPSK	3	0	20.90	20.99	20.87	22.5	0				
1.4	16QAM	1	0	20.86	20.99	20.98						
1.4	16QAM	1	3	20.83	20.84	20.84						
1.4	16QAM	1	5	20.81	20.87	20.80	22.5	0				
1.4	16QAM	3	0	20.92	21.03	20.86						
1.4	16QAM	3	1	20.94	20.94	20.81						
1.4	16QAM	3	3	20.78	20.87	20.87	22	0.5				
1.4	16QAM	6	0	20.30	20.43	20.28						
1.4	64QAM	1	0	20.49	20.56	20.46						
1.4	64QAM	1	3	20.53	20.59	20.54	22	0.5				
1.4	64QAM	1	5	20.40	20.50	20.44						
1.4	64QAM	3	0	20.35	20.43	20.35						
1.4	64QAM	3	1	20.35	20.44	20.43	22	0.5				
1.4	64QAM	3	3	20.23	20.33	20.25						
1.4	64QAM	6	0	19.31	19.37	19.29						
1.4	64QAM	6	0	19.31	19.37	19.29	21	1.5				

Band 7 DSI3 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21550			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	17.14	17.17	17.03			
20	QPSK	1	49	17.11	17.03	16.99	18.5	0	
20	QPSK	1	99	16.99	17.02	16.88			
20	QPSK	50	0	17.09	17.14	17.11			
20	QPSK	50	24	17.02	17.05	16.91	18.5	0	
20	QPSK	50	50	17.08	17.06	17.01			
20	QPSK	100	0	17.01	17.06	16.99			
20	16QAM	1	0	17.08	17.08	16.89			
20	16QAM	1	49	17.04	17.04	16.97	18.5	0	
20	16QAM	1	99	16.99	17.06	16.92			
20	16QAM	50	0	17.03	17.11	16.92			
20	16QAM	50	24	17.03	17.11	16.93	18.5	0	
20	16QAM	50	50	17.05	17.13	16.90			
20	16QAM	100	0	17.07	17.14	16.92			
20	64QAM	1	0	16.99	17.15	16.97			
20	64QAM	1	49	17.08	17.12	16.90	18.5	0	
20	64QAM	1	99	17.08	17.10	16.90			
20	64QAM	50	0	17.00	17.03	16.91			
20	64QAM	50	24	17.09	17.09	16.92	18.5	0	
20	64QAM	50	50	17.00	17.09	16.88			
20	64QAM	100	0	17.11	17.14	16.90			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.02	17.12	16.97			
15	QPSK	1	37	17.01	16.93	16.85	18.5	0	
15	QPSK	1	74	16.85	16.92	16.79			
15	QPSK	36	0	17.05	16.99	17.04			
15	QPSK	36	20	16.87	16.91	16.82	18.5	0	
15	QPSK	36	39	16.95	16.95	16.92			
15	QPSK	75	0	16.95	16.91	16.91			
15	16QAM	1	0	17.03	16.96	16.74	18.5	0	
15	16QAM	1	37	17.01	16.92	16.94			
15	16QAM	1	74	16.91	17.03	16.78			
15	16QAM	36	0	16.95	17.07	16.77			
15	16QAM	36	20	16.88	17.00	16.85	18.5	0	
15	16QAM	36	39	16.94	17.08	16.86			
15	16QAM	75	0	16.93	17.10	16.88			
15	64QAM	1	0	16.85	17.07	16.94			
15	64QAM	1	37	16.99	17.00	16.79	18.5	0	
15	64QAM	1	74	17.02	17.04	16.79			
15	64QAM	36	0	16.85	17.01	16.82			
15	64QAM	36	20	17.04	16.96	16.76	18.5	0	
15	64QAM	36	39	16.98	16.95	16.85			
15	64QAM	75	0	17.06	17.03	16.79			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.07	17.04	17.01			
10	QPSK	1	25	17.00	16.90	16.95	18.5	0	
10	QPSK	1	49	16.95	16.87	16.81			
10	QPSK	25	0	17.02	17.02	17.06			
10	QPSK	25	12	16.94	17.01	16.81	18.5	0	
10	QPSK	25	25	17.04	17.00	16.88			
10	QPSK	50	0	16.89	17.00	16.83			
10	16QAM	1	0	17.00	17.00	16.76			
10	16QAM	1	25	16.90	16.93	16.86	18.5	0	
10	16QAM	1	49	16.89	16.98	16.77			
10	16QAM	25	0	16.87	17.00	16.86			
10	16QAM	25	12	16.98	17.02	16.91	18.5	0	
10	16QAM	25	25	16.92	16.98	16.75			
10	16QAM	50	0	17.01	17.11	16.82			
10	64QAM	1	0	16.85	17.13	16.94			
10	64QAM	1	25	16.96	17.04	16.86	18.5	0	
10	64QAM	1	49	16.97	17.03	16.84			
10	64QAM	25	0	16.96	17.00	16.82			
10	64QAM	25	12	16.94	17.00	16.90	18.5	0	
10	64QAM	25	25	16.90	16.95	16.78			
10	64QAM	50	0	17.03	17.02	16.80			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.11	17.14	17.00			
5	QPSK	1	12	17.02	16.96	16.85	18.5	0	
5	QPSK	1	24	16.88	16.89	16.82			
5	QPSK	12	0	17.00	17.03	17.07			
5	QPSK	12	7	16.89	17.02	16.84	18.5	0	
5	QPSK	12	13	16.99	16.91	16.90			
5	QPSK	25	0	16.90	17.04	16.85			
5	16QAM	1	0	16.96	17.03	16.77			
5	16QAM	1	12	16.89	16.95	16.83	18.5	0	
5	16QAM	1	24	16.92	16.95	16.82			
5	16QAM	12	0	16.88	16.97	16.81			
5	16QAM	12	7	16.91	17.06	16.77	18.5	0	
5	16QAM	12	13	16.95	17.04	16.85			
5	16QAM	25	0	16.96	17.03	16.84			
5	64QAM	1	0	16.95	16.99	16.89			
5	64QAM	1	12	16.99	16.98	16.87	18.5	0	
5	64QAM	1	24	17.02	16.94	16.83			
5	64QAM	12	0	16.88	17.00	16.77			
5	64QAM	12	7	17.01	16.95	16.88	18.5	0	
5	64QAM	12	13	16.94	16.94	16.92			
5	64QAM	25	0	16.99	17.07	16.78			

Band 38 DSI3 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	20	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.83	18.97	18.81	20	0	
20	QPSK	1	49	18.83	18.88	18.88			
20	QPSK	1	99	18.77	18.91	18.86	20	0	
20	QPSK	50	0	18.89	18.93	18.91			
20	QPSK	50	24	18.69	18.88	18.69	20	0	
20	QPSK	50	50	18.79	18.87	18.85			
20	QPSK	100	0	18.88	18.91	18.79	20	0	
20	16QAM	1	0	18.77	18.81	18.77			
20	16QAM	1	49	18.70	18.94	18.77	20	0	
20	16QAM	1	99	18.83	18.91	18.75			
20	16QAM	50	0	18.79	18.84	18.74	20	0	
20	16QAM	50	24	18.81	18.91	18.68			
20	16QAM	50	50	18.82	18.89	18.66	20	0	
20	16QAM	100	0	18.70	18.89	18.77			
20	64QAM	1	0	18.75	18.89	18.70	20	0	
20	64QAM	1	49	18.69	18.93	18.70			
20	64QAM	1	99	18.72	18.91	18.71	20	0	
20	64QAM	50	0	18.77	18.83	18.71			
20	64QAM	50	24	18.76	18.88	18.77	20	0	
20	64QAM	50	50	18.70	18.93	18.73			
20	64QAM	100	0	18.74	18.92	18.78	20	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	20	0	
15	QPSK	1	0	18.71	18.84	18.69			
15	QPSK	1	37	18.70	18.73	18.63	20	0	
15	QPSK	1	74	18.73	18.78	18.63			
15	QPSK	36	0	18.81	18.81	18.83	20	0	
15	QPSK	36	20	18.65	18.81	18.62			
15	QPSK	36	39	18.74	18.82	18.53	20	0	
15	QPSK	75	0	18.77	18.87	18.73			
15	16QAM	1	0	18.69	18.75	18.67	20	0	
15	16QAM	1	37	18.60	18.89	18.64			
15	16QAM	1	74	18.79	18.81	18.65	20	0	
15	16QAM	36	0	18.70	18.75	18.61			
15	16QAM	36	20	18.74	18.76	18.60	20	0	
15	16QAM	36	39	18.77	18.81	18.57			
15	16QAM	75	0	18.61	18.74	18.71	20	0	
15	64QAM	1	0	18.59	18.77	18.60			
15	64QAM	1	37	18.55	18.81	18.65	20	0	
15	64QAM	1	74	18.66	18.80	18.59			
15	64QAM	36	0	18.62	18.75	18.66	20	0	
15	64QAM	36	20	18.67	18.72	18.71			
15	64QAM	36	39	18.62	18.70	18.62	20	0	
15	64QAM	75	0	18.60	18.81	18.68			
Channel				37800	38000	38200	20	0	
Frequency (MHz)				2577.5	2595	2612.5			
10	QPSK	1	0	18.72	18.95	18.72	20	0	
10	QPSK	1	25	18.70	18.84	18.53			
10	QPSK	1	49	18.75	18.89	18.55	20	0	
10	QPSK	25	0	18.75	18.78	18.89			
10	QPSK	25	12	18.56	18.75	18.61	20	0	
10	QPSK	25	26	18.74	18.75	18.54			
10	QPSK	50	0	18.82	18.83	18.69	20	0	
10	16QAM	1	0	18.72	18.75	18.69			
10	16QAM	1	25	18.59	18.86	18.74	20	0	
10	16QAM	1	49	18.68	18.86	18.60			
10	16QAM	25	0	18.68	18.71	18.60	20	0	
10	16QAM	25	12	18.72	18.87	18.60			
10	16QAM	25	25	18.77	18.78	18.58	20	0	
10	16QAM	50	0	18.55	18.77	18.64			
10	64QAM	1	0	18.66	18.82	18.59	20	0	
10	64QAM	1	25	18.55	18.86	18.67			
10	64QAM	1	49	18.61	18.88	18.61	20	0	
10	64QAM	25	0	18.66	18.89	18.59			
10	64QAM	25	12	18.73	18.72	18.73	20	0	
10	64QAM	25	25	18.65	18.74	18.68			
10	64QAM	50	0	18.63	18.81	18.64	20	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	20	0	
5	QPSK	1	0	18.74	18.87	18.76			
5	QPSK	1	12	18.77	18.81	18.53	20	0	
5	QPSK	1	24	18.63	18.81	18.63			
5	QPSK	12	0	18.76	18.90	18.86	20	0	
5	QPSK	12	7	18.54	18.84	18.57			
5	QPSK	12	13	18.70	18.85	18.53	20	0	
5	QPSK	25	0	18.83	18.87	18.64			
5	16QAM	1	0	18.66	18.72	18.68	20	0	
5	16QAM	1	12	18.67	18.79	18.68			
5	16QAM	1	24	18.72	18.75	18.60	20	0	
5	16QAM	12	0	18.76	18.77	18.61			
5	16QAM	12	7	18.77	18.79	18.65	20	0	
5	16QAM	12	13	18.72	18.79	18.60			
5	16QAM	25	0	18.61	18.76	18.65	20	0	
5	64QAM	1	0	18.62	18.85	18.68			
5	64QAM	1	12	18.57	18.77	18.64	20	0	
5	64QAM	1	24	18.57	18.81	18.68			
5	64QAM	12	0	18.72	18.72	18.68	20	0	
5	64QAM	12	7	18.64	18.78	18.75			
5	64QAM	12	13	18.64	18.79	18.66	20	0	
5	64QAM	25	0	18.62	18.82	18.63			

Band 41 DSI3 Ant1 SA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	20	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.81	18.87	18.94	18.58	18.64	20	0
20	QPSK	1	49	18.68	18.64	18.86	18.53	18.54		
20	QPSK	1	99	18.66	18.56	18.96	18.54	18.48	20	0
20	QPSK	50	0	18.72	18.74	18.87	18.85	18.75		
20	QPSK	50	24	18.69	18.54	18.83	18.45	18.51	20	0
20	QPSK	50	50	18.77	18.55	18.81	18.53	18.49		
20	QPSK	100	0	18.69	18.61	18.82	18.53	18.60	20	0
20	16QAM	1	0	18.72	18.65	18.84	18.55	18.53		
20	16QAM	1	49	18.75	18.53	18.85	18.44	18.50	20	0
20	16QAM	1	99	18.75	18.52	18.91	18.46	18.52		
20	16QAM	50	0	18.73	18.63	18.85	18.42	18.61	20	0
20	16QAM	50	24	18.66	18.52	18.84	18.46	18.51		
20	16QAM	50	50	18.71	18.56	18.84	18.53	18.51	20	0
20	16QAM	100	0	18.69	18.57	18.97	18.44	18.58		
20	64QAM	1	0	18.72	18.51	18.79	18.42	18.61	20	0
20	64QAM	1	49	18.73	18.63	18.84	18.54	18.58		
20	64QAM	1	99	18.77	18.64	18.78	18.46	18.60	20	0
20	64QAM	50	0	18.71	18.52	18.89	18.45	18.48		
20	64QAM	50	24	18.71	18.64	18.86	18.54	18.52	20	0
20	64QAM	50	50	18.70	18.61	18.84	18.51	18.50		
20	64QAM	100	0	18.73	18.58	18.80	18.45	18.61	20	0
Channel				39725	40173	40620	41068	41516		
Frequency (MHz)				2503.5	2543.5	2593	2637.5	2682.5		
15	QPSK	1	0	18.78	18.80	18.84	18.43	18.41	20	0
15	QPSK	1	37	18.65	18.57	18.78	18.45	18.40		
15	QPSK	1	74	18.56	18.48	18.78	18.43	18.39	20	0
15	QPSK	36	0	18.60	18.70	18.71	18.45	18.40		
15	QPSK	36	20	18.61	18.44	18.71	18.39	18.35	20	0
15	QPSK	36	39	18.68	18.49	18.65	18.39	18.38		
15	QPSK	1	0	18.63	18.45	18.72	18.49	18.48	20	0
15	16QAM	1	0	18.69	18.52	18.75	18.52	18.41		
15	16QAM	1	37	18.74	18.59	18.77	18.40	18.50	20	0
15	16QAM	1	74	18.72	18.39	18.81	18.43	18.49		
15	16QAM	36	0	18.63	18.60	18.70	18.28	18.49	20	0
15	16QAM	36	20	18.53	18.41	18.71	18.35	18.39		
15	16QAM	36	39	18.60	18.42	18.68	18.46	18.44	20	0
15	16QAM	75	0	18.53	18.43	18.71	18.33	18.50		
15	64QAM	1	0	18.66	18.46	18.75	18.39	18.53	20	0
15	64QAM	1	37	18.70	18.55	18.71	18.41	18.54		
15	64QAM	74	54	18.65	18.54	18.72	18.40	18.40	20	0
15	64QAM	36	0	18.60	18.45	18.83	18.39	18.35		
15	64QAM	36	20	18.67	18.49	18.80	18.46	18.46	20	0
15	64QAM	36	39	18.56	18.56	18.73	18.37	18.35		
15	64QAM	75	0	18.60	18.54	18.76	18.32	18.52	20	0
Channel				40550	41000	41500	41950	42400		
Frequency (MHz)				2551	2601	2651	2699	2745		
10	QPSK	1	0	18.78	18.52	18.79	18.53	18.59	20.00	0
10	QPSK	1	25	18.64	18.57	18.80	18.45	18.51		
10	QPSK	1	49	18.61	18.53	18.79	18.47	18.41	20	0
10	QPSK	25	0	18.61	18.65	18.80	18.42	18.42		
10	QPSK	25	12	18.65	18.51	18.74	18.41	18.49	20	0
10	QPSK	25	25	18.69	18.41	18.71	18.47	18.38		
10	QPSK	50	0	18.60	18.46	18.70	18.38	18.51	20	0
10	16QAM	1	0	18.65	18.53	18.69	18.40	18.41		
10	16QAM	1	25	18.73	18.56	18.79	18.35	18.55	20	0
10	16QAM	1	49	18.70	18.41	18.82	18.42	18.40		
10	16QAM	25	0	18.57	18.51	18.81	18.34	18.51	20	0
10	16QAM	25	12	18.57	18.44	18.74	18.35	18.38		
10	16QAM	25	25	18.56	18.50	18.77	18.43	18.45	20	0
10	16QAM	50	0	18.55	18.42	18.73	18.41	18.49		
10	64QAM	1	0	18.58	18.49	18.69	18.32	18.32	20	0
10	64QAM	1	25	18.71	18.54	18.81	18.47	18.55		
10	64QAM	1	49	18.71	18.56	18.66	18.38	18.44	20	0
10	64QAM	25	0	18.61	18.37	18.77	18.34	18.45		
10	64QAM	25	12	18.59	18.59	18.74	18.50	18.46	20	0
10	64QAM	25	25	18.61	18.53	18.77	18.40	18.46		
10	64QAM	50	0	18.59	18.48	18.64	18.41	18.50	20	0
Channel				39875	40183	40620	41063	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.70	18.54	18.87	18.47	18.50	20.00	0
5	QPSK	1	12	18.60	18.55	18.83	18.43	18.39		
5	QPSK	1	24	18.63	18.48	18.86	18.40	18.40	20	0
5	QPSK	12	0	18.69	18.68	18.72	18.40	18.49		
5	QPSK	12	7	18.60	18.41	18.75	18.32	18.38	20	0
5	QPSK	12	13	18.61	18.50	18.79	18.42	18.45		
5	QPSK	25	0	18.55	18.49	18.72	18.39	18.52	20	0
5	16QAM	1	0	18.67	18.60	18.72	18.32	18.48		
5	16QAM	1	12	18.73	18.48	18.74	18.31	18.51	20	0
5	16QAM	1	24	18.59	18.43	18.76	18.38	18.40		
5	16QAM	12	0	18.70	18.56	18.79	18.35	18.54	20	0
5	16QAM	12	7	18.55	18.41	18.78	18.37	18.37		
5	16QAM	12	13	18.56	18.53	18.80	18.41	18.40	20	0
5	16QAM	25	0	18.56	18.52	18.73	18.36	18.43		
5	64QAM	1	0	18.68	18.49	18.64	18.28	18.47	20	0
5	64QAM	1	12	18.65	18.52	18.76	18.49	18.49		
5	64QAM	1	24	18.66	18.57	18.70	18.44	18.55	20	0
5	64QAM	12	0	18.68	18.42	18.77	18.39	18.45		
5	64QAM	12	7	18.68	18.52	18.80	18.45	18.45	20	0
5	64QAM	12	13	18.60	18.47	18.71	18.43	18.41		
5	64QAM	25	0	18.60	18.52	18.67	18.37	18.51	20	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	19.5	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.59	18.64	18.50	19.5	0
20	QPSK	1	49	18.41	18.48	18.37		
20	QPSK	1	99	18.37	18.51	18.41		
20	QPSK	50	0	18.42	18.45	18.44	19.5	0
20	QPSK	50	24	18.31	18.41	18.32		
20	QPSK	50	50	18.38	18.47	18.39		
20	QPSK	100	0	18.41	18.53	18.38	19.5	0
20	16QAM	1	0	18.36	18.50	18.40		
20	16QAM	1	49	18.49	18.58	18.44		
20	16QAM	1	99	18.37	18.52	18.49	19.5	0
20	16QAM	50	0	18.34	18.48	18.33		
20	16QAM	50	24	18.48	18.53	18.44		
20	16QAM	50	50	18.48	18.54	18.44	19.5	0
20	16QAM	100	0	18.45	18.51	18.40		
20	64QAM	1	0	18.48	18.55	18.44		
20	64QAM	1	49	18.44	18.54	18.51	19.5	0
20	64QAM	1	99	18.43	18.46	18.32		
20	64QAM	50	0	18.29	18.42	18.35		
20	64QAM	50	24	18.42	18.49	18.46	19.5	0
20	64QAM	50	50	18.44	18.51	18.40		
20	64QAM	100	0	18.41	18.49	18.43		
Channel				42165	42590	43015	19.5	0
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.52	18.51	18.45	19.5	0
15	QPSK	1	37	18.34	18.44	18.24		
15	QPSK	1	74	18.26	18.38	18.35		
15	QPSK	36	0	18.30	18.38	18.33	19.5	0
15	QPSK	36	20	18.17	18.30	18.26		
15	QPSK	36	39	18.31	18.42	18.30		
15	QPSK	75	0	18.33	18.44	18.27	19.5	0
15	16QAM	1	0	18.27	18.39	18.33		
15	16QAM	1	37	18.35	18.50	18.31		
15	16QAM	1	74	18.25	18.39	18.35	19.5	0
15	16QAM	36	0	18.27	18.44	18.30		
15	16QAM	36	20	18.33	18.48	18.38		
15	16QAM	36	39	18.35	18.47	18.37	19.5	0
15	16QAM	75	0	18.34	18.46	18.31		
15	64QAM	1	0	18.44	18.41	18.33		
15	64QAM	1	37	18.38	18.50	18.46	19.5	0
15	64QAM	1	74	18.29	18.37	18.19		
15	64QAM	36	0	18.21	18.32	18.21		
15	64QAM	36	20	18.39	18.35	18.41	19.5	0
15	64QAM	36	39	18.33	18.48	18.28		
15	64QAM	75	0	18.34	18.38	18.39		
Channel				42140	42590	43040	19.5	0
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.45	18.59	18.43	19.5	0
10	QPSK	1	25	18.26	18.37	18.26		
10	QPSK	1	49	18.31	18.44	18.35		
10	QPSK	25	0	18.29	18.39	18.34	19.5	0
10	QPSK	25	12	18.19	18.32	18.25		
10	QPSK	25	25	18.30	18.35	18.27		
10	QPSK	50	0	18.26	18.46	18.23	19.5	0
10	16QAM	1	0	18.30	18.45	18.29		
10	16QAM	1	25	18.37	18.54	18.36		
10	16QAM	1	49	18.23	18.45	18.40	19.5	0
10	16QAM	25	0	18.28	18.45	18.30		
10	16QAM	25	12	18.42	18.38	18.36		
10	16QAM	25	25	18.37	18.41	18.34	19.5	0
10	16QAM	50	0	18.39	18.44	18.32		
10	64QAM	1	0	18.42	18.42	18.31		
10	64QAM	1	25	18.32	18.40	18.36	19.5	0
10	64QAM	1	49	18.34	18.42	18.29		
10	64QAM	25	0	18.20	18.36	18.22		
10	64QAM	25	12	18.32	18.41	18.40	19.5	0
10	64QAM	25	25	18.29	18.38	18.26		
10	64QAM	50	0	18.36	18.44	18.29		
Channel				42115	42590	43065	19.5	0
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.48	18.53	18.41	19.5	0
5	QPSK	1	12	18.33	18.34	18.31		
5	QPSK	1	24	18.27	18.43	18.32		
5	QPSK	12	0	18.34	18.38	18.35	19.5	0
5	QPSK	12	7	18.27	18.34	18.21		
5	QPSK	12	13	18.26	18.40	18.28		
5	QPSK	25	0	18.32	18.40	18.31	19.5	0
5	16QAM	1	0	18.31	18.36	18.28		
5	16QAM	1	12	18.37	18.47	18.33		
5	16QAM	1	24	18.34	18.38	18.40	19.5	0
5	16QAM	12	0	18.21	18.42	18.21		
5	16QAM	12	7	18.36	18.44	18.39		
5	16QAM	12	13	18.44	18.45	18.40	19.5	0
5	16QAM	25	0	18.36	18.39	18.34		
5	64QAM	1	0	18.34	18.42	18.39		
5	64QAM	1	12	18.39	18.48	18.42	19.5	0
5	64QAM	1	24	18.30	18.35	18.26		
5	64QAM	12	0	18.18	18.35	18.23		
5	64QAM	12	7	18.36	18.37	18.42	19.5	0
5	64QAM	12	13	18.41	18.38	18.27		
5	64QAM	25	0	18.26	18.38	18.40		

Band 2 DSIS Ant0 NSA									
BW (MHz)	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	10.63	10.75	10.67			
20	QPSK	1	49	10.54	10.61	10.55	12.5	0	
20	QPSK	1	99	10.53	10.60	10.55			
20	QPSK	50	0	10.60	10.72	10.61			
20	QPSK	50	24	10.59	10.64	10.56	12.5	0	
20	QPSK	50	50	10.51	10.60	10.58			
20	QPSK	100	0	10.58	10.71	10.64			
20	16QAM	1	0	10.51	10.65	10.55			
20	16QAM	1	49	10.59	10.62	10.62	12.5	0	
20	16QAM	1	99	10.55	10.63	10.64			
20	16QAM	50	0	10.54	10.65	10.52			
20	16QAM	50	24	10.52	10.60	10.55	12.5	0	
20	16QAM	50	50	10.59	10.60	10.53			
20	16QAM	100	0	10.53	10.68	10.59			
20	64QAM	1	0	10.50	10.64	10.53			
20	64QAM	1	49	10.59	10.65	10.63	12.5	0	
20	64QAM	1	99	10.52	10.66	10.63			
20	64QAM	50	0	10.51	10.70	10.55			
20	64QAM	50	24	10.52	10.65	10.64	12.5	0	
20	64QAM	50	50	10.58	10.69	10.65			
20	64QAM	100	0	10.53	10.70	10.62			
Channel									
Frequency (MHz)									
15	QPSK	1	0	10.61	10.62	10.54			
15	QPSK	1	37	10.61	10.58	10.52	12.5	0	
15	QPSK	1	74	10.61	10.57	10.59			
15	QPSK	36	0	10.58	10.63	10.52			
15	QPSK	36	20	10.60	10.53	10.52	12.5	0	
15	QPSK	36	39	10.53	10.50	10.55			
15	QPSK	75	0	10.54	10.65	10.55			
15	16QAM	1	0	10.59	10.60	10.56	12.5	0	
15	16QAM	1	37	10.56	10.59	10.59			
15	16QAM	1	74	10.51	10.62	10.55			
15	16QAM	36	0	10.64	10.63	10.64			
15	16QAM	36	20	10.51	10.56	10.54	12.5	0	
15	16QAM	36	39	10.60	10.58	10.58			
15	16QAM	75	0	10.63	10.56	10.56			
15	64QAM	1	0	10.63	10.58	10.53	12.5	0	
15	64QAM	1	37	10.58	10.51	10.58			
15	64QAM	1	74	10.55	10.59	10.61			
15	64QAM	36	0	10.58	10.62	10.62			
15	64QAM	36	20	10.65	10.60	10.60	12.5	0	
15	64QAM	36	39	10.55	10.63	10.57			
15	64QAM	75	0	10.56	10.57	10.58			
Channel									
Frequency (MHz)									
10	QPSK	1	0	10.59	10.61	10.57			
10	QPSK	1	25	10.54	10.67	10.62	12.5	0	
10	QPSK	1	49	10.56	10.71	10.55			
10	QPSK	25	0	10.56	10.63	10.57			
10	QPSK	25	12	10.53	10.66	10.55	12.5	0	
10	QPSK	25	25	10.55	10.62	10.51			
10	QPSK	50	0	10.54	10.63	10.55			
10	16QAM	1	0	10.59	10.71	10.58	12.5	0	
10	16QAM	1	25	10.59	10.73	10.60			
10	16QAM	1	49	10.53	10.63	10.64			
10	16QAM	25	0	10.51	10.62	10.57	12.5	0	
10	16QAM	25	12	10.51	10.62	10.65			
10	16QAM	25	25	10.52	10.59	10.60			
10	16QAM	50	0	10.57	10.65	10.60			
10	64QAM	1	0	10.51	10.67	10.65	12.5	0	
10	64QAM	1	25	10.54	10.70	10.57			
10	64QAM	1	49	10.60	10.67	10.61			
10	64QAM	25	0	10.57	10.69	10.57	12.5	0	
10	64QAM	25	12	10.57	10.73	10.51			
10	64QAM	25	25	10.52	10.67	10.58			
10	64QAM	50	0	10.52	10.67	10.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	10.53	10.68	10.63	12.5	0	
5	QPSK	1	12	10.54	10.60	10.63			
5	QPSK	1	24	10.58	10.68	10.52			
5	QPSK	12	0	10.54	10.68	10.51			
5	QPSK	12	7	10.50	10.67	10.65	12.5	0	
5	QPSK	12	13	10.60	10.70	10.59			
5	QPSK	25	0	10.57	10.68	10.53			
5	16QAM	1	0	10.56	10.68	10.61	12.5	0	
5	16QAM	1	12	10.52	10.69	10.61			
5	16QAM	1	24	10.51	10.65	10.55			
5	16QAM	12	0	10.56	10.71	10.62	12.5	0	
5	16QAM	12	7	10.58	10.69	10.51			
5	16QAM	12	13	10.58	10.61	10.62			
5	16QAM	25	0	10.59	10.60	10.59			
5	64QAM	1	0	10.59	10.69	10.63	12.5	0	
5	64QAM	1	12	10.56	10.67	10.57			
5	64QAM	1	24	10.51	10.61	10.62			
5	64QAM	12	0	10.56	10.62	10.58	12.5	0	
5	64QAM	12	7	10.51	10.70	10.52			
5	64QAM	12	13	10.51	10.66	10.63			
5	64QAM	25	0	10.56	10.69	10.62			
Channel									
Frequency (MHz)									
3	QPSK	1	0	10.60	10.66	10.56	12.5	0	
3	QPSK	1	8	10.54	10.72	10.61			
3	QPSK	1	14	10.58	10.67	10.61			
3	QPSK	8	0	10.56	10.68	10.54	12.5	0	
3	QPSK	8	4	10.52	10.68	10.58			
3	QPSK	8	7	10.61	10.65	10.59			
3	QPSK	15	0	10.58	10.62	10.52			
3	16QAM	1	0	10.56	10.72	10.61	12.5	0	
3	16QAM	1	8	10.50	10.72	10.63			
3	16QAM	1	14	10.52	10.59	10.53			
3	16QAM	8	0	10.55	10.66	10.62	12.5	0	
3	16QAM	8	4	10.58	10.66	10.54			
3	16QAM	8	7	10.50	10.59	10.51			
3	16QAM	15	0	10.54	10.61	10.53			
3	64QAM	1	0	10.53	10.59	10.58	12.5	0	
3	64QAM	1	8	10.60	10.65	10.56			
3	64QAM	1	14	10.61	10.64	10.55			
3	64QAM	8	0	10.54	10.61	10.65	12.5	0	
3	64QAM	8	4	10.51	10.65	10.52			
3	64QAM	8	7	10.52	10.70	10.51			
3	64QAM	15	0	10.55	10.72	10.59			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	10.55	10.66	10.57	12.5	0	
1.4	QPSK	1	3	10.50	10.63	10.51			
1.4	QPSK	1	5	10.53	10.65	10.51			
1.4	QPSK	3	0	10.57	10.60	10.58	12.5	0	
1.4	QPSK	3	1	10.58	10.66	10.59			
1.4	QPSK	3	3	10.58	10.59	10.64			
1.4	QPSK	6	0	10.51	10.64	10.52	12.5	0	
1.4	16QAM	1	0	10.55	10.60	10.52			
1.4	16QAM	1	3	10.54	10.69	10.61	12.5	0	
1.4	16QAM	1	5	10.55	10.71	10.62			
1.4	16QAM	3	0	10.60	10.60	10.58			
1.4	16QAM	3	1	10.51	10.59	10.65			
1.4	16QAM	3	3	10.58	10.65	10.55	12.5	0	
1.4	16QAM	6	0	10.51	10.69	10.62			
1.4	64QAM	1	0	10.52	10.71	10.55	12.5	0	
1.4	64QAM	1	3	10.58	10.69	10.51			
1.4	64QAM	1	5	10.54	10.64	10.60			
1.4	64QAM	3	0	10.57	10.64	10.60	12.5	0	
1.4	64QAM	3	1	10.50	10.70	10.52			
1.4	64QAM	3	3	10.56	10.70	10.53			
1.4	64QAM	6	0	10.61	10.71	10.51	12.5	0	

Band 4 DS13 Ant0 NSA											
BW (MHz)	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	10.88	10.96	10.93	12.5	0			
20	QPSK	1	49	10.74	10.93	10.89					
20	QPSK	1	99	10.86	10.89	10.84					
20	QPSK	50	0	10.85	10.91	10.81	12.5	0			
20	QPSK	50	24	10.74	10.87	10.80					
20	QPSK	50	50	10.81	10.82	10.85					
20	QPSK	100	0	10.83	10.90	10.82	12.5	0			
20	16QAM	1	0	10.78	10.89	10.80					
20	16QAM	1	49	10.83	10.84	10.83					
20	16QAM	1	99	10.76	10.88	10.88	12.5	0			
20	16QAM	50	0	10.74	10.80	10.89					
20	16QAM	50	24	10.79	10.83	10.91					
20	16QAM	50	50	10.74	10.81	10.79	12.5	0			
20	16QAM	100	0	10.82	10.84	10.90					
20	64QAM	1	0	10.84	10.85	10.78					
20	64QAM	1	49	10.85	10.92	10.82	12.5	0			
20	64QAM	1	99	10.81	10.84	10.80					
20	64QAM	50	0	10.80	10.86	10.83					
20	64QAM	50	24	10.77	10.87	10.82	12.5	0			
20	64QAM	50	50	10.74	10.86	10.78					
20	64QAM	100	0	10.82	10.86	10.86					
Channel											
Frequency (MHz)											
20	QPSK	1	0	10.72	10.89	10.88	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	10.72	10.84	10.75			12.5	0	
15	QPSK	1	37	10.62	10.84	10.75					
15	QPSK	1	74	10.82	10.76	10.69					
15	QPSK	36	0	10.73	10.77	10.69	12.5	0			
15	QPSK	36	20	10.71	10.76	10.65					
15	QPSK	36	39	10.74	10.79	10.76					
15	QPSK	75	0	10.71	10.80	10.74	12.5	0			
15	16QAM	1	0	10.68	10.80	10.67					
15	16QAM	1	37	10.76	10.71	10.78					
15	16QAM	1	74	10.74	10.85	10.74	12.5	0			
15	16QAM	36	0	10.61	10.72	10.82					
15	16QAM	36	20	10.70	10.76	10.78					
15	16QAM	36	39	10.71	10.66	10.64	12.5	0			
15	16QAM	75	0	10.68	10.74	10.82					
15	64QAM	1	0	10.70	10.76	10.68					
15	64QAM	1	37	10.72	10.86	10.75	12.5	0			
15	64QAM	1	74	10.77	10.79	10.78					
15	64QAM	36	0	10.77	10.73	10.75					
15	64QAM	36	20	10.69	10.72	10.66	12.5	0			
15	64QAM	36	39	10.68	10.81	10.64					
15	64QAM	75	0	10.72	10.73	10.62					
Channel											
Frequency (MHz)											
10	QPSK	1	0	10.74	10.83	10.90	12.5	0			
10	QPSK	1	25	10.69	10.80	10.78					
10	QPSK	1	49	10.62	10.80	10.72					
10	QPSK	25	0	10.79	10.83	10.66	12.5	0			
10	QPSK	25	12	10.58	10.78	10.78					
10	QPSK	25	25	10.70	10.75	10.80					
10	QPSK	50	0	10.69	10.81	10.69	12.5	0			
10	16QAM	1	0	10.69	10.85	10.66					
10	16QAM	1	25	10.68	10.74	10.73					
10	16QAM	1	49	10.68	10.76	10.81	12.5	0			
10	16QAM	25	0	10.60	10.68	10.83					
10	16QAM	25	12	10.76	10.74	10.79					
10	16QAM	25	25	10.61	10.76	10.70	12.5	0			
10	16QAM	50	0	10.78	10.75	10.86					
10	64QAM	1	0	10.78	10.77	10.59					
10	64QAM	1	25	10.69	10.83	10.77	12.5	0			
10	64QAM	1	49	10.72	10.77	10.66					
10	64QAM	25	0	10.69	10.83	10.76					
10	64QAM	25	12	10.69	10.78	10.72	12.5	0			
10	64QAM	25	25	10.68	10.78	10.71					
10	64QAM	50	0	10.79	10.83	10.74					
Channel											
Frequency (MHz)											
5	QPSK	1	0	10.73	10.83	10.87	12.5	0			
5	QPSK	1	12	10.66	10.88	10.74					
5	QPSK	1	24	10.75	10.74	10.81					
5	QPSK	12	0	10.75	10.86	10.78	12.5	0			
5	QPSK	12	7	10.65	10.78	10.67					
5	QPSK	12	13	10.68	10.74	10.78					
5	QPSK	25	0	10.79	10.74	10.72	12.5	0			
5	16QAM	1	0	10.62	10.78	10.60					
5	16QAM	1	12	10.79	10.74	10.78					
5	16QAM	1	24	10.73	10.83	10.85	12.5	0			
5	16QAM	12	0	10.68	10.65	10.75					
5	16QAM	12	7	10.75	10.72	10.75					
5	16QAM	12	13	10.70	10.73	10.75	12.5	0			
5	16QAM	25	0	10.79	10.80	10.86					
5	64QAM	1	0	10.79	10.79	10.73					
5	64QAM	1	12	10.83	10.86	10.70	12.5	0			
5	64QAM	1	24	10.76	10.70	10.73					
5	64QAM	12	0	10.65	10.80	10.77					
5	64QAM	12	7	10.75	10.82	10.71	12.5	0			
5	64QAM	12	13	10.62	10.75	10.70					
5	64QAM	25	0	10.77	10.72	10.65					
Channel											
Frequency (MHz)											
3	QPSK	1	0	10.74	10.82	10.84	12.5	0			
3	QPSK	1	8	10.63	10.78	10.77					
3	QPSK	1	14	10.71	10.74	10.76					
3	QPSK	8	0	10.82	10.82	10.75	12.5	0			
3	QPSK	8	4	10.80	10.77	10.65					
3	QPSK	8	7	10.77	10.71	10.81					
3	QPSK	15	0	10.78	10.75	10.79	12.5	0			
3	16QAM	1	0	10.65	10.86	10.76					
3	16QAM	1	8	10.80	10.73	10.76					
3	16QAM	1	14	10.64	10.77	10.75	12.5	0			
3	16QAM	8	0	10.69	10.65	10.86					
3	16QAM	8	4	10.66	10.80	10.85					
3	16QAM	8	7	10.68	10.73	10.72	12.5	0			
3	16QAM	15	0	10.73	10.75	10.81					
3	64QAM	1	0	10.74	10.72	10.67					
3	64QAM	1	8	10.71	10.89	10.68	12.5	0			
3	64QAM	1	14	10.68	10.72	10.74					
3	64QAM	8	0	10.65	10.74	10.72					
3	64QAM	8	4	10.72	10.81	10.69	12.5	0			
3	64QAM	8	7	10.61	10.80	10.65					
3	64QAM	15	0	10.74	10.81	10.63					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	10.70	10.75	10.83	Tune-up limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	10.80	10.81	10.77			12.5	0	
1.4	QPSK	1	3	10.71	10.88	10.83					
1.4	QPSK	1	5	10.79	10.75	10.72					
1.4	QPSK	3	0	10.79	10.84	10.73	12.5	0			
1.4	QPSK	3	1	10.62	10.83	10.72					
1.4	QPSK	3	3	10.76	10.76	10.82					
1.4	QPSK	6	0	10.76	10.85	10.69	12.5	0			
1.4	16QAM	1	0	10.69	10.80	10.65					
1.4	16QAM	1	3	10.71	10.80	10.71					
1.4	16QAM	1	5	10.66	10.73	10.81	12.5	0			
1.4	16QAM	3	0	10.69	10.68	10.84					
1.4	16QAM	3	1	10.73	10.68	10.88					
1.4	16QAM	3	3	10.67	10.77	10.69	12.5	0			
1.4	16QAM	6	0	10.78	10.79	10.58					
1.4	64QAM	1	0	10.77	10.70	10.64					
1.4	64QAM	1	3	10.81	10.77	10.69	12.5	0			
1.4	64QAM	1	5	10.69	10.74	10.69					
1.4	64QAM	3	0	10.67	10.74	10.74					
1.4	64QAM	3	1	10.64	10.77	10.72	12.5	0			
1.4	64QAM	3	3	10.60	10.76	10.71					
1.4	64QAM	6	0	10.71	10.77	10.64					

Band 5 DSI3 Ant0 NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	18.5	0	
Frequency (MHz)				826.5	836.5	844			
10	QPSK	1	0	16.97	17.10	17.04	18.5	0	
10	QPSK	1	25	16.87	17.00	16.94			
10	QPSK	1	49	16.84	16.97	16.92			
10	QPSK	25	0	16.90	17.00	16.94			
10	QPSK	25	12	16.90	16.99	16.96			
10	QPSK	25	25	16.92	16.99	16.96	18.5	0	
10	QPSK	50	0	16.94	17.04	17.03			
10	16QAM	1	0	16.87	17.01	16.94			
10	16QAM	1	25	16.97	16.89	16.93			
10	16QAM	1	49	16.95	16.99	17.02			
10	16QAM	25	0	16.97	16.97	16.95	18.5	0	
10	16QAM	25	12	16.93	17.01	16.99			
10	16QAM	25	25	16.86	17.07	16.90			
10	16QAM	50	0	16.86	17.05	17.01			
10	64QAM	1	0	16.90	16.96	17.03			
10	64QAM	1	25	16.85	17.03	16.86	18.5	0	
10	64QAM	1	49	16.87	16.88	16.87			
10	64QAM	25	0	16.83	16.92	17.01			
10	64QAM	25	12	16.86	17.00	16.94			
10	64QAM	25	25	16.86	17.05	16.94			
10	64QAM	50	0	16.86	16.96	16.96	18.5	0	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.04	17.02	17.08	18.5	0	
5	QPSK	1	12	16.95	16.96	16.91			
5	QPSK	1	24	16.85	16.98	16.93			
5	QPSK	12	0	16.82	17.06	16.89			
5	QPSK	12	7	16.91	16.93	16.93			
5	QPSK	12	13	16.99	16.97	16.99	18.5	0	
5	QPSK	25	0	16.89	16.99	17.03			
5	16QAM	1	0	16.89	17.06	16.95			
5	16QAM	1	12	17.01	16.92	16.91			
5	16QAM	1	24	16.89	17.02	17.01			
5	16QAM	12	0	16.93	16.96	17.03	18.5	0	
5	16QAM	12	7	16.94	17.02	17.01			
5	16QAM	12	13	16.88	17.03	16.87			
5	16QAM	25	0	16.86	17.02	16.96			
5	64QAM	1	0	16.88	16.97	16.96			
5	64QAM	1	12	16.93	16.99	16.89	18.5	0	
5	64QAM	1	24	16.82	16.89	16.86			
5	64QAM	12	0	16.90	16.95	17.04			
5	64QAM	12	7	16.91	17.04	16.87			
5	64QAM	12	13	16.92	16.99	16.96			
5	64QAM	25	0	16.91	16.99	16.99	18.5	0	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.99	17.03	17.00	18.5	0	
3	QPSK	1	8	16.90	16.91	16.91			
3	QPSK	1	14	16.91	16.95	16.92			
3	QPSK	8	0	16.91	16.97	16.91			
3	QPSK	8	4	16.97	16.97	16.96			
3	QPSK	8	7	16.93	16.95	16.94	18.5	0	
3	QPSK	15	0	16.86	17.05	16.96			
3	16QAM	1	0	16.90	17.07	16.91			
3	16QAM	1	8	16.96	16.95	16.93			
3	16QAM	1	14	16.93	16.99	17.03			
3	16QAM	8	0	16.95	16.92	16.95	18.5	0	
3	16QAM	8	4	16.89	17.01	17.03			
3	16QAM	8	7	16.95	17.09	16.90			
3	16QAM	15	0	16.88	17.01	16.99			
3	64QAM	1	0	16.93	17.03	17.03			
3	64QAM	1	8	16.90	16.99	16.86	18.5	0	
3	64QAM	1	14	16.86	16.92	16.86			
3	64QAM	8	0	16.84	16.99	17.04			
3	64QAM	8	4	16.88	17.00	16.94			
3	64QAM	8	7	16.85	17.07	16.91			
3	64QAM	15	0	16.89	17.02	16.99	18.5	0	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.97	17.08	17.02	18.5	0	
1.4	QPSK	1	3	16.90	16.96	16.86			
1.4	QPSK	1	5	16.86	16.91	16.88			
1.4	QPSK	3	0	16.84	17.06	16.95			
1.4	QPSK	3	1	16.94	16.89	16.96			
1.4	QPSK	3	3	16.91	17.01	17.02	18.5	0	
1.4	QPSK	6	0	16.87	17.02	16.99			
1.4	16QAM	1	0	16.91	17.06	16.89			
1.4	16QAM	1	3	16.95	16.96	17.00			
1.4	16QAM	1	5	16.89	16.98	16.99			
1.4	16QAM	3	0	16.91	16.96	16.96	18.5	0	
1.4	16QAM	3	1	16.95	17.05	17.03			
1.4	16QAM	3	3	16.92	17.02	16.85			
1.4	16QAM	6	0	16.86	17.06	16.96			
1.4	64QAM	1	0	16.86	17.01	16.99			
1.4	64QAM	1	3	16.86	17.02	16.89	18.5	0	
1.4	64QAM	1	5	16.84	16.94	16.89			
1.4	64QAM	3	0	16.83	16.94	17.02			
1.4	64QAM	3	1	16.88	17.02	16.88			
1.4	64QAM	3	3	16.92	17.06	16.92			
1.4	64QAM	6	0	16.86	16.99	17.04	18.5	0	0

Band 66 DS3 Ant0 NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1715	1745	1775			
20	QPSK	1	0	10.91	11.10	11.04	12.5	0	
20	QPSK	1	49	10.78	11.08	10.88			
20	QPSK	1	99	10.80	10.94	11.02			
20	QPSK	50	0	10.81	11.08	10.92			
20	QPSK	50	24	10.78	11.06	10.94			
20	QPSK	50	50	10.78	11.07	10.95	12.5	0	
20	QPSK	100	0	10.89	10.95	10.91			
20	16QAM	1	0	10.79	11.00	10.98			
20	16QAM	1	49	10.78	10.94	10.99			
20	16QAM	1	99	10.86	11.07	10.92			
20	16QAM	50	0	10.86	11.05	10.91	12.5	0	
20	16QAM	50	24	10.83	11.05	10.95			
20	16QAM	50	50	10.89	10.96	10.95			
20	16QAM	100	0	10.79	10.97	10.96			
20	64QAM	1	0	10.78	11.00	11.01			
20	64QAM	1	49	10.84	11.08	10.96	12.5	0	
20	64QAM	1	99	10.83	11.07	10.88			
20	64QAM	50	0	10.82	10.97	10.98			
20	64QAM	50	24	10.84	11.04	10.97			
20	64QAM	50	50	10.75	10.95	11.00			
20	64QAM	100	0	10.87	10.96	10.94	12.5	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	10.89	11.06	11.00	12.5	0	
15	QPSK	1	37	10.71	10.94	10.82			
15	QPSK	1	74	10.71	10.82	10.98			
15	QPSK	36	0	10.70	10.95	10.89			
15	QPSK	36	20	10.67	11.02	10.88			
15	QPSK	36	39	10.71	10.94	10.78	12.5	0	
15	QPSK	75	0	10.81	10.92	10.77			
15	16QAM	1	0	10.70	10.85	10.86			
15	16QAM	1	37	10.69	10.81	10.86			
15	16QAM	1	74	10.78	10.91	10.82			
15	16QAM	36	0	10.79	10.98	10.82	12.5	0	
15	16QAM	36	20	10.67	10.97	10.91			
15	16QAM	36	39	10.77	10.91	10.85			
15	16QAM	75	0	10.73	10.94	10.90			
15	64QAM	1	0	10.73	10.96	10.94			
15	64QAM	1	37	10.75	10.98	10.83	12.5	0	
15	64QAM	1	74	10.79	11.04	10.84			
15	64QAM	36	0	10.72	10.85	10.84			
15	64QAM	36	20	10.71	10.91	10.85			
15	64QAM	36	39	10.82	10.86	10.92			
15	64QAM	75	0	10.79	10.91	10.82	12.5	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	10.88	10.95	10.95	12.5	0	
10	QPSK	1	25	10.63	11.03	10.78			
10	QPSK	1	49	10.73	10.94	10.82			
10	QPSK	25	0	10.78	10.94	10.84			
10	QPSK	25	12	10.67	10.96	10.83			
10	QPSK	25	25	10.75	10.95	10.90	12.5	0	
10	QPSK	50	0	10.82	10.85	10.86			
10	16QAM	1	0	10.77	10.86	10.85			
10	16QAM	1	25	10.70	10.82	10.85			
10	16QAM	1	49	10.73	10.93	10.86			
10	16QAM	25	0	10.83	10.96	10.83	12.5	0	
10	16QAM	25	12	10.76	11.01	10.92			
10	16QAM	25	25	10.83	10.89	10.82			
10	16QAM	50	0	10.66	10.87	10.87			
10	64QAM	1	0	10.63	10.90	10.89			
10	64QAM	1	25	10.71	10.96	10.89	12.5	0	
10	64QAM	1	49	10.75	11.05	10.82			
10	64QAM	25	0	10.77	10.87	10.83			
10	64QAM	25	12	10.80	10.99	10.87			
10	64QAM	25	25	10.82	10.76	10.87			
10	64QAM	50	0	10.80	10.87	10.82	12.5	0	
Channel				131997	132322	132627			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	10.81	11.00	11.00	12.5	0	
5	QPSK	1	12	10.66	10.98	10.85			
5	QPSK	1	24	10.78	10.86	10.96			
5	QPSK	12	0	10.66	11.00	10.85			
5	QPSK	12	7	10.70	11.01	10.89			
5	QPSK	12	13	10.76	10.92	10.79	12.5	0	
5	QPSK	25	0	10.85	10.81	10.87			
5	16QAM	1	0	10.68	10.90	10.90			
5	16QAM	1	12	10.65	10.87	10.83			
5	16QAM	1	24	10.84	10.96	10.86			
5	16QAM	12	0	10.85	11.01	10.82	12.5	0	
5	16QAM	12	7	10.76	10.99	10.83			
5	16QAM	12	13	10.76	10.83	10.87			
5	16QAM	25	0	10.75	10.87	10.82			
5	16QAM	1	0	10.74	10.86	10.96			
5	64QAM	1	12	10.77	10.97	10.86	12.5	0	
5	64QAM	1	24	10.81	10.92	10.78			
5	64QAM	12	0	10.78	10.87	10.88			
5	64QAM	12	7	10.76	11.00	10.93			
5	64QAM	12	13	10.65	10.82	10.89			
5	64QAM	25	0	10.81	10.85	10.88	12.5	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	10.76	11.00	11.01	12.5	0	
3	QPSK	1	8	10.74	11.01	10.78			
3	QPSK	1	14	10.76	10.87	10.88			
3	QPSK	8	0	10.73	11.03	10.81			
3	QPSK	8	4	10.76	11.02	10.81			
3	QPSK	8	7	10.71	10.93	10.86	12.5	0	
3	QPSK	15	0	10.87	10.90	10.87			
3	16QAM	1	0	10.76	10.88	10.86			
3	16QAM	1	8	10.63	10.90	10.90			
3	16QAM	1	14	10.76	10.99	10.88			
3	16QAM	8	0	10.74	10.99	10.78	12.5	0	
3	16QAM	8	4	10.68	10.94	10.93			
3	16QAM	8	7	10.85	10.94	10.85			
3	16QAM	15	0	10.68	10.88	10.80			
3	64QAM	1	0	10.71	10.89	10.96			
3	64QAM	1	8	10.76	10.93	10.81	12.5	0	
3	64QAM	1	14	10.79	10.96	10.75			
3	64QAM	8	0	10.66	10.91	10.92			
3	64QAM	8	4	10.81	10.97	10.90			
3	64QAM	8	7	10.62	10.89	10.86			
3	64QAM	15	0	10.73	10.90	10.81	12.5	0	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	10.80	11.06	10.98	12.5	0	
1.4	QPSK	1	1	10.66	10.97	10.71			
1.4	QPSK	1	5	10.65	10.78	10.99			
1.4	QPSK	3	0	10.72	10.99	10.87			
1.4	QPSK	3	1	10.64	10.92	10.80			
1.4	QPSK	3	3	10.66	10.98	10.84	12.5	0	
1.4	QPSK	6	0	10.90	10.97	10.95			
1.4	16QAM	1	0	10.67	10.89	10.95			
1.4	16QAM	1	3	10.67	10.90	10.85			
1.4	16QAM	1	5	10.78	10.97	10.83			
1.4	16QAM	3	0	10.81	10.98	10.78	12.5	0	
1.4	16QAM	3	1	10.68	11.02	10.96			
1.4	16QAM	3	3	10.82	10.96	10.86			
1.4	16QAM	6	0	10.67	10.90	10.84			
1.4	64QAM	1	0	10.63	10.97	10.97			
1.4	64QAM	1	3	10.73	10.93	10.90	12.5	0	
1.4	64QAM	1	5	10.74	11.04	10.86			
1.4	64QAM	3	0	10.69	10.94	10.80			
1.4	64QAM	3	3	10.71	10.96	10.86			
1.4	64QAM	3	3	10.63	10.85	10.93			
1.4	64QAM	6	0	10.81	10.90	10.86	12.5	0	
Channel				131979	132322	132665			

Band 7 DSI3 Ant1 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21550			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	13.02	13.09	12.90	14.5	0	
20	QPSK	1	49	12.94	12.94	12.87			
20	QPSK	1	99	12.99	12.96	12.77			
20	QPSK	50	0	12.86	12.98	12.85	14.5	0	
20	QPSK	50	24	12.90	12.95	12.85			
20	QPSK	50	50	12.95	12.94	12.85			
20	QPSK	100	0	12.92	12.96	12.77	14.5	0	
20	16QAM	1	0	12.87	13.01	12.75			
20	16QAM	1	49	12.88	13.05	12.86			
20	16QAM	1	99	12.86	13.02	12.79	14.5	0	
20	16QAM	50	0	12.91	12.96	12.84			
20	16QAM	50	24	12.92	13.00	12.85			
20	16QAM	50	50	12.97	12.95	12.80	14.5	0	
20	16QAM	100	0	12.91	13.07	12.80			
20	64QAM	1	0	12.97	12.94	12.85			
20	64QAM	1	49	12.94	13.05	12.88	14.5	0	
20	64QAM	1	99	13.00	12.97	12.75			
20	64QAM	50	0	12.90	12.96	12.85			
20	64QAM	50	24	12.90	13.04	12.74	14.5	0	
20	64QAM	50	50	12.94	13.00	12.83			
20	64QAM	100	0	12.95	13.02	12.81			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	12.96	12.96	12.80	14.5	0	
15	QPSK	1	37	12.82	12.83	12.80			
15	QPSK	1	74	12.94	12.84	12.68			
15	QPSK	36	0	12.80	12.85	12.77	14.5	0	
15	QPSK	36	20	12.84	12.89	12.78			
15	QPSK	36	39	12.81	12.83	12.76			
15	QPSK	75	0	12.84	12.85	12.75	14.5	0	
15	16QAM	1	0	12.79	12.96	12.84			
15	16QAM	1	37	12.77	12.91	12.74			
15	16QAM	1	74	12.72	12.91	12.73	14.5	0	
15	16QAM	36	0	12.88	12.88	12.74			
15	16QAM	36	20	12.77	12.90	12.81			
15	16QAM	36	39	12.90	12.82	12.68	14.5	0	
15	16QAM	75	0	12.85	13.04	12.67			
15	64QAM	1	0	12.83	12.84	12.79			
15	64QAM	1	37	12.89	12.97	12.81	14.5	0	
15	64QAM	1	74	12.88	12.87	12.66			
15	64QAM	36	0	12.79	12.88	12.82			
15	64QAM	36	20	12.75	13.00	12.71	14.5	0	
15	64QAM	36	39	12.82	12.89	12.69			
15	64QAM	75	0	12.84	12.91	12.78			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	12.93	12.98	12.77	14.5	0	
10	QPSK	1	25	12.86	12.82	12.75			
10	QPSK	1	49	12.89	12.84	12.75			
10	QPSK	25	0	12.73	12.91	12.71	14.5	0	
10	QPSK	25	12	12.75	12.86	12.72			
10	QPSK	25	25	12.82	12.81	12.81			
10	QPSK	50	0	12.89	12.86	12.71	14.5	0	
10	16QAM	1	0	12.80	12.90	12.72			
10	16QAM	1	25	12.86	12.89	12.72			
10	16QAM	1	49	12.79	12.95	12.75	14.5	0	
10	16QAM	25	0	12.82	12.93	12.75			
10	16QAM	25	12	12.85	12.87	12.71			
10	16QAM	25	25	12.87	12.81	12.75	14.5	0	
10	16QAM	50	0	12.82	13.02	12.66			
10	64QAM	1	0	12.82	12.91	12.72			
10	64QAM	1	25	12.81	12.95	12.79	14.5	0	
10	64QAM	1	49	12.96	12.88	12.72			
10	64QAM	25	0	12.79	12.88	12.81			
10	64QAM	25	12	12.87	12.98	12.63	14.5	0	
10	64QAM	25	25	12.81	12.85	12.77			
10	64QAM	50	0	12.81	12.97	12.72			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	12.87	12.96	12.79	14.5	0	
5	QPSK	1	12	12.81	12.87	12.79			
5	QPSK	1	24	12.89	12.84	12.64			
5	QPSK	12	0	12.80	12.85	12.75	14.5	0	
5	QPSK	12	7	12.82	12.87	12.72			
5	QPSK	12	13	12.92	12.89	12.74			
5	QPSK	25	0	12.87	12.90	12.70	14.5	0	
5	16QAM	1	0	12.76	12.92	12.85			
5	16QAM	1	12	12.82	12.90	12.81			
5	16QAM	1	24	12.82	12.92	12.72	14.5	0	
5	16QAM	12	0	12.75	12.92	12.73			
5	16QAM	12	7	12.82	12.85	12.78			
5	16QAM	12	13	12.95	12.80	12.70	14.5	0	
5	16QAM	25	0	12.75	12.97	12.84			
5	64QAM	1	0	12.92	12.90	12.83			
5	64QAM	1	12	12.85	12.93	12.86	14.5	0	
5	64QAM	1	24	12.87	12.94	12.63			
5	64QAM	12	0	12.78	12.87	12.69			
5	64QAM	12	7	12.82	12.97	12.61	14.5	0	
5	64QAM	12	13	12.90	12.84	12.74			
5	64QAM	25	0	12.84	12.91	12.66			

Band 38 DSI3 Ant1 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.61	15.62	15.56	16.5	0	
20	QPSK	1	49	15.62	15.55	15.52			
20	QPSK	1	99	15.54	15.53	15.59			
20	QPSK	50	0	15.55	15.60	15.59	16.5	0	
20	QPSK	50	24	15.57	15.58	15.58			
20	QPSK	50	50	15.63	15.51	15.57			
20	QPSK	100	0	15.50	15.54	15.53	16.5	0	
20	16QAM	1	0	15.53	15.50	15.52			
20	16QAM	1	49	15.53	15.58	15.57			
20	16QAM	1	99	15.54	15.57	15.54	16.5	0	
20	16QAM	50	0	15.53	15.57	15.51			
20	16QAM	50	24	15.58	15.55	15.53			
20	16QAM	50	50	15.51	15.53	15.59	16.5	0	
20	16QAM	100	0	15.51	15.57	15.53			
20	64QAM	1	0	15.57	15.55	15.58			
20	64QAM	1	49	15.58	15.60	15.51	16.5	0	
20	64QAM	1	99	15.51	15.60	15.53			
20	64QAM	50	0	15.56	15.58	15.59			
20	64QAM	50	24	15.50	15.51	15.57	16.5	0	
20	64QAM	50	50	15.57	15.52	15.58			
20	64QAM	100	0	15.54	15.59	15.53			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.59	15.50	15.51	16.5	0	
15	QPSK	1	37	15.58	15.58	15.54			
15	QPSK	1	74	15.57	15.56	15.55			
15	QPSK	36	0	15.58	15.58	15.51	16.5	0	
15	QPSK	36	20	15.55	15.50	15.56			
15	QPSK	36	39	15.51	15.52	15.59			
15	QPSK	75	0	15.53	15.55	15.59	16.5	0	
15	16QAM	1	0	15.51	15.53	15.59			
15	16QAM	1	37	15.59	15.58	15.54			
15	16QAM	1	74	15.56	15.52	15.58	16.5	0	
15	16QAM	36	0	15.57	15.54	15.50			
15	16QAM	36	20	15.53	15.59	15.52			
15	16QAM	36	39	15.56	15.55	15.51	16.5	0	
15	16QAM	75	0	15.50	15.58	15.60			
15	64QAM	1	0	15.58	15.57	15.56			
15	64QAM	1	37	15.51	15.59	15.50	16.5	0	
15	64QAM	1	74	15.53	15.52	15.51			
15	64QAM	36	0	15.52	15.57	15.60			
15	64QAM	36	20	15.53	15.53	15.58	16.5	0	
15	64QAM	36	39	15.52	15.60	15.54			
15	64QAM	75	0	15.56	15.54	15.56			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595	2595	2615			
10	QPSK	1	0	15.54	15.57	15.54	16.5	0	
10	QPSK	1	25	15.51	15.53	15.50			
10	QPSK	1	49	15.57	15.54	15.55			
10	QPSK	25	0	15.54	15.50	15.56	16.5	0	
10	QPSK	25	12	15.53	15.50	15.52			
10	QPSK	25	25	15.54	15.54	15.56			
10	QPSK	50	0	15.55	15.56	15.53	16.5	0	
10	16QAM	1	0	15.51	15.51	15.58			
10	16QAM	1	25	15.53	15.50	15.54			
10	16QAM	1	49	15.58	15.52	15.54	16.5	0	
10	16QAM	25	0	15.56	15.57	15.58			
10	16QAM	25	12	15.52	15.52	15.53			
10	16QAM	25	25	15.52	15.59	15.57	16.5	0	
10	16QAM	50	0	15.55	15.50	15.59			
10	64QAM	1	0	15.54	15.53	15.57			
10	64QAM	1	25	15.57	15.54	15.58	16.5	0	
10	64QAM	1	49	15.51	15.57	15.51			
10	64QAM	25	0	15.58	15.57	15.53			
10	64QAM	25	12	15.56	15.55	15.53	16.5	0	
10	64QAM	25	25	15.50	15.59	15.58			
10	64QAM	50	0	15.54	15.59	15.58			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.56	15.55	15.51	16.5	0	
5	QPSK	1	12	15.55	15.52	15.55			
5	QPSK	1	24	15.50	15.50	15.56			
5	QPSK	12	0	15.56	15.50	15.56	16.5	0	
5	QPSK	12	7	15.56	15.53	15.58			
5	QPSK	12	13	15.57	15.54	15.54			
5	QPSK	25	0	15.51	15.50	15.58	16.5	0	
5	16QAM	1	0	15.57	15.56	15.54			
5	16QAM	1	12	15.51	15.52	15.50			
5	16QAM	1	24	15.50	15.55	15.58	16.5	0	
5	16QAM	12	0	15.51	15.50	15.53			
5	16QAM	12	7	15.52	15.50	15.56			
5	16QAM	12	13	15.53	15.54	15.51	16.5	0	
5	16QAM	25	0	15.53	15.54	15.54			
5	64QAM	1	0	15.57	15.56	15.58			
5	64QAM	1	12	15.58	15.50	15.54	16.5	0	
5	64QAM	1	24	15.52	15.53	15.54			
5	64QAM	12	0	15.55	15.57	15.53			
5	64QAM	12	7	15.53	15.55	15.54	16.5	0	
5	64QAM	12	13	15.58	15.57	15.59			
5	64QAM	25	0	15.58	15.51	15.59			



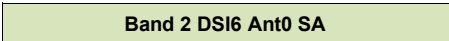
Band 4 DS3 Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.67	15.69	15.63	17	0				
20	QPSK	1	49	15.56	15.63	15.50						
20	QPSK	1	99	15.49	15.55	15.46						
20	QPSK	50	0	15.58	15.65	15.53	17	0				
20	QPSK	50	24	15.54	15.60	15.49						
20	QPSK	50	50	15.63	15.64	15.56						
20	QPSK	100	0	15.58	15.60	15.49	17	0				
20	16QAM	1	0	15.56	15.66	15.58						
20	16QAM	1	49	15.57	15.59	15.43						
20	16QAM	1	99	15.66	15.63	15.47	17	0				
20	16QAM	50	0	15.57	15.61	15.50						
20	16QAM	50	24	15.64	15.56	15.44						
20	16QAM	50	50	15.56	15.59	15.57	17	0				
20	16QAM	100	0	15.64	15.58	15.45						
20	64QAM	1	0	15.56	15.62	15.58						
20	64QAM	1	49	15.59	15.59	15.61	17	0				
20	64QAM	1	99	15.60	15.60	15.56						
20	64QAM	50	0	15.63	15.56	15.44						
20	64QAM	50	24	15.56	15.61	15.49	17	0				
20	64QAM	50	50	15.63	15.62	15.52						
20	64QAM	100	0	15.58	15.56	15.56						
Channel												
Frequency (MHz)												
20025	20175	20325	17	0			Tune-up limit (dBm)	MPR (dB)				
1717.5	1722.5	1727.5										
15	QPSK	1			0	15.56			15.64	15.48		
15	QPSK	1	37	15.42	15.46	15.46	17	0				
15	QPSK	1	74	15.45	15.37	15.42						
15	QPSK	36	0	15.48	15.56	15.51						
15	QPSK	36	20	15.43	15.55	15.46	17	0				
15	QPSK	36	39	15.50	15.57	15.46						
15	QPSK	36	50	15.57	15.53	15.38						
15	16QAM	1	0	15.46	15.54	15.32	17	0				
15	16QAM	1	37	15.44	15.53	15.29						
15	16QAM	1	74	15.57	15.57	15.42						
15	16QAM	36	0	15.50	15.55	15.31	17	0				
15	16QAM	36	20	15.43	15.60	15.44						
15	16QAM	36	39	15.48	15.55	15.47						
15	16QAM	75	0	15.54	15.53	15.37	17	0				
15	64QAM	1	0	15.45	15.49	15.40						
15	64QAM	1	37	15.49	15.50	15.45						
15	64QAM	1	74	15.51	15.47	15.48	17	0				
15	64QAM	36	0	15.46	15.46	15.39						
15	64QAM	36	20	15.50	15.65	15.38						
15	64QAM	36	39	15.50	15.61	15.41	17	0				
15	64QAM	75	0	15.57	15.57	15.49						
15	64QAM	75	0	15.57	15.57	15.49						
Channel												
Frequency (MHz)												
20000	20175	20350	17	0			Tune-up limit (dBm)	MPR (dB)				
1715	1732.5	1750										
10	QPSK	1			0	15.57			15.64	15.54		
10	QPSK	1	25	15.47	15.42	15.39	17	0				
10	QPSK	1	49	15.38	15.50	15.42						
10	QPSK	25	0	15.67	15.53	15.45						
10	QPSK	25	12	15.41	15.47	15.42	17	0				
10	QPSK	25	25	15.56	15.54	15.48						
10	QPSK	50	0	15.37	15.60	15.28						
10	16QAM	1	0	15.54	15.55	15.50	17	0				
10	16QAM	1	25	15.41	15.63	15.40						
10	16QAM	1	49	15.57	15.53	15.39						
10	16QAM	25	0	15.58	15.45	15.35	17	0				
10	16QAM	25	12	15.43	15.48	15.39						
10	16QAM	25	25	15.51	15.45	15.52						
10	64QAM	1	0	15.52	15.53	15.42	17	0				
10	64QAM	1	25	15.48	15.45	15.40						
10	64QAM	1	49	15.52	15.61	15.43						
10	64QAM	25	0	15.53	15.52	15.51	17	0				
10	64QAM	25	12	15.53	15.63	15.44						
10	64QAM	25	25	15.59	15.56	15.49						
10	64QAM	50	0	15.54	15.46	15.48	17	0				
Channel												
Frequency (MHz)												
19975	20175	20375	17	0			Tune-up limit (dBm)	MPR (dB)				
1712.5	1732.5	1752.5										
5	QPSK	1			0	15.58			15.53	15.55		
5	QPSK	1	12	15.43	15.49	15.49	17	0				
5	QPSK	1	24	15.43	15.42	15.34						
5	QPSK	12	0	15.51	15.61	15.47						
5	QPSK	12	7	15.43	15.53	15.35	17	0				
5	QPSK	12	13	15.47	15.66	15.49						
5	QPSK	25	0	15.46	15.47	15.44						
5	16QAM	1	0	15.43	15.57	15.53	17	0				
5	16QAM	1	12	15.34	15.56	15.49						
5	16QAM	1	24	15.48	15.64	15.40						
5	16QAM	12	0	15.41	15.47	15.35	17	0				
5	16QAM	12	7	15.41	15.43	15.53						
5	16QAM	12	13	15.46	15.39	15.40						
5	16QAM	25	0	15.64	15.44	15.37	17	0				
5	64QAM	1	0	15.46	15.45	15.41						
5	64QAM	1	12	15.55	15.57	15.59						
5	64QAM	1	24	15.56	15.60	15.51	17	0				
5	64QAM	12	0	15.58	15.38	15.33						
5	64QAM	12	7	15.42	15.55	15.41						
5	64QAM	12	13	15.46	15.56	15.53	17	0				
5	64QAM	25	0	15.44	15.46	15.56						
Channel												
Frequency (MHz)												
19975	20175	20365	17	0			Tune-up limit (dBm)	MPR (dB)				
1712.5	1732.5	1752.5										
3	QPSK	1			0	15.53			15.67	15.48		
3	QPSK	1	8	15.39	15.52	15.52	17	0				
3	QPSK	1	14	15.52	15.57	15.41						
3	QPSK	8	0	15.53	15.52	15.46						
3	QPSK	8	4	15.46	15.53	15.35	17	0				
3	QPSK	8	7	15.55	15.64	15.53						
3	QPSK	15	0	15.49	15.56	15.37						
3	16QAM	1	0	15.55	15.56	15.47	17	0				
3	16QAM	1	8	15.39	15.54	15.39						
3	16QAM	1	14	15.50	15.49	15.47						
3	16QAM	8	0	15.48	15.52	15.37	17	0				
3	16QAM	8	4	15.50	15.49	15.40						
3	16QAM	8	7	15.45	15.50	15.50						
3	16QAM	15	0	15.46	15.48	15.35	17	0				
3	64QAM	1	0	15.52	15.65	15.37						
3	64QAM	1	8	15.56	15.45	15.48						
3	64QAM	1	14	15.45	15.56	15.54	17	0				
3	64QAM	8	0	15.57	15.49	15.42						
3	64QAM	8	4	15.50	15.48	15.40						
3	64QAM	8	7	15.46	15.50	15.46	17	0				
3	64QAM	15	0	15.56	15.52	15.38						
Channel												
Frequency (MHz)												
19957	20175	20393	17	0			Tune-up limit (dBm)	MPR (dB)				
1712.5	1732.5	1752.5										
1.4	QPSK	1			0	15.57			15.54	15.46		
1.4	QPSK	1	3	15.42	15.55	15.44	17	0				
1.4	QPSK	1	5	15.43	15.49	15.44						
1.4	QPSK	3	0	15.54	15.55	15.52						
1.4	QPSK	3	1	15.37	15.53	15.43	17	0				
1.4	QPSK	3	3	15.56	15.58	15.53						
1.4	QPSK	6	0	15.51	15.55	15.40						
1.4	16QAM	1	0	15.55	15.41	15.47	17	0				
1.4	16QAM	1	3	15.43	15.48	15.40						
1.4	16QAM	1	5	15.48	15.58	15.51						
1.4	16QAM	3	0	15.49	15.59	15.34	17	0				
1.4	16QAM	3	1	15.52	15.43	15.37						
1.4	16QAM	3	3	15.53	15.40	15.47						
1.4	16QAM	6	0	15.55	15.48	15.37	17	0				
1.4	64QAM	1	0	15.55	15.54	15.40						
1.4	64QAM	1	3	15.60	15.43	15.52						
1.4	64QAM	1	5	15.62	15.56	15.45	17	0				
1.4	64QAM	3	0	15.63	15.47	15.33						
1.4	64QAM	3	1	15.48	15.50	15.28						
1.4	64QAM	3	3	15.50	15.64	15.44	17	0				
1.4	64QAM	6	0	15.65	15.41	15.49						

Reduced Power Mode for DS16

GSM850		DS16 SA GSM850 Ant0			Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	128	189	251	Tune-up Limit (dBm)
Frequency (MHz)	128	189	251		824.2	836.4	848.8	
GSM 1 Tx slot	29.15	29.21	29.06	30.50	20.15	20.21	20.06	21.50
GPRS 1 Tx slot	28.08	28.14	28.06	30.50	20.08	20.14	20.06	21.50
GPRS 2 Tx slots	26.16	26.21	26.13	29.50	22.16	22.21	22.13	23.50
GPRS 3 Tx slots	26.57	26.70	26.57	28.00	22.31	22.44	22.31	23.74
GPRS 4 Tx slots	25.68	25.73	25.69	27.00	22.68	22.73	22.69	24.00
EDGE 1 Tx slot	24.09	24.20	24.13	25.50	15.09	15.20	15.13	16.50
EDGE 2 Tx slots	23.16	23.19	23.11	24.50	17.16	17.19	17.11	18.50
EDGE 3 Tx slots	20.67	20.77	20.72	22.50	16.41	16.51	16.46	18.24
EDGE 4 Tx slots	19.37	19.47	19.42	21.00	16.37	16.47	16.42	18.00

DS16 SA GSM1900 Ant0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810	(dBm)	512	661	810	(dBm)
Frequency (MHz)	1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot	24.00	24.13	24.08	25.50	15.00	15.13	15.08	16.50
GPRS 1 Tx slot	23.99	24.11	23.99	25.50	14.99	15.11	15.01	16.50
GPRS 2 Tx slots	23.05	23.19	23.16	24.50	17.05	17.19	17.16	18.50
GPRS 3 Tx slots	21.53	21.56	21.44	23.00	17.27	17.30	17.18	18.74
GPRS 4 Tx slots	20.48	20.56	20.51	22.00	17.48	17.56	17.51	19.00
EDGE 1 Tx slot	20.48	20.63	20.58	22.00	11.48	11.63	11.58	13.00
EDGE 2 Tx slots	19.58	19.62	19.52	21.00	13.58	13.62	13.52	15.00
EDGE 3 Tx slots	17.98	18.09	17.99	19.50	13.72	13.83	13.73	15.24
EDGE 4 Tx slots	16.99	17.07	16.95	18.50	13.99	14.07	13.95	15.50

DS16 SA													
DS16 SA WCDMA II Ant0				DS16 SA WCDMA IV Ant0				DS16 SA WCDMA V Ant0					
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Tx Channel	Freq (MHz)	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1758		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	17.78	17.85	17.79	19.50	17.32	17.44	17.41	19.00	22.02	22.12	22.06	23.50
3GPP Rel 99	RMC 12.2kbps	17.89	17.93	17.83	19.50	17.51	17.53	17.36	19.00	22.24	22.16	22.10	23.50
3GPP Rel 6	HSDPA Subtest-1	16.99	16.98	16.86	18.50	16.53	16.61	16.40	18.00	21.29	21.29	21.09	22.50
3GPP Rel 6	HSDPA Subtest-2	16.97	16.96	16.85	18.50	16.62	16.53	16.39	18.00	21.30	21.28	21.11	22.50
3GPP Rel 6	HSDPA Subtest-3	16.32	16.47	16.35	18.00	15.96	16.01	15.97	20.72	20.73	20.69	20.72	22.00
3GPP Rel 6	HSDPA Subtest-4	16.36	16.40	16.34	18.00	15.98	16.04	15.97	17.50	20.63	20.74	20.70	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.01	17.01	16.97	18.50	16.55	16.55	16.54	18.00	21.30	21.18	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.90	16.93	17.01	18.50	16.52	16.53	16.56	18.00	21.21	21.26	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.54	16.43	16.40	18.00	16.15	16.00	16.04	17.50	20.78	20.74	20.77	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.44	16.43	16.46	18.00	16.00	16.03	16.04	17.50	20.72	20.77	20.79	22.00
3GPP Rel 6	HS-DSPPA Subtest-1	16.96	16.92	16.91	18.50	16.55	16.52	16.54	18.00	21.27	21.25	21.29	22.50
3GPP Rel 6	HS-DSPPA Subtest-2	14.95	14.88	15.07	16.50	14.54	14.47	14.50	19.26	19.26	19.26	19.26	21.50
3GPP Rel 6	HSPPA Subtest-3	15.84	15.95	16.01	17.50	15.47	15.52	15.57	17.00	20.14	20.23	20.25	21.50
3GPP Rel 6	HSPPA Subtest-4	15.15	15.03	14.88	16.50	14.71	14.59	14.46	16.00	19.35	19.30	19.21	21.50
3GPP Rel 6	HSPPA Subtest-5	17.00	16.99	16.82	18.50	16.62	16.54	16.47	18.00	21.33	21.20	21.18	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.57	14.52	14.46	16.00	14.12	14.11	14.10	15.50	18.81	18.76	18.76	20.00



Band 7 DSI6 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.45	19.49	19.36	21	0	
20	QPSK	1	49	19.25	19.39	19.33			
20	QPSK	1	99	19.38	19.42	19.30			
20	QPSK	50	0	19.34	19.41	19.20	21	0	
20	QPSK	50	24	19.36	19.23	19.33			
20	QPSK	50	50	19.25	19.39	19.32			
20	QPSK	100	0	19.30	19.40	19.26	21	0	
20	16QAM	1	0	19.29	19.32	19.27			
20	16QAM	1	49	19.23	19.23	19.24			
20	16QAM	1	99	19.25	19.29	19.30	21	0	
20	16QAM	50	0	19.26	19.17	19.24			
20	16QAM	50	24	19.21	19.16	19.24			
20	16QAM	50	50	19.30	19.33	19.23	21	0	
20	16QAM	100	0	19.29	19.17	19.26			
20	64QAM	1	0	19.17	19.16	19.15			
20	64QAM	1	49	19.27	19.25	19.27	21	0	
20	64QAM	1	99	19.30	19.21	19.30			
20	64QAM	50	0	19.19	19.27	19.19			
20	64QAM	50	24	19.38	19.32	19.32	21	0	
20	64QAM	50	50	19.36	19.33	19.25			
20	64QAM	100	0	19.32	19.31	19.22			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.33	19.35	19.30	21	0	
15	QPSK	1	37	19.21	19.28	19.18			
15	QPSK	1	74	19.30	19.35	19.18			
15	QPSK	36	0	19.28	19.30	19.11	21	0	
15	QPSK	36	20	19.30	19.14	19.26			
15	QPSK	36	39	19.19	19.33	19.21			
15	QPSK	75	0	19.15	19.35	19.18	21	0	
15	16QAM	1	0	19.22	19.18	19.17			
15	16QAM	1	37	19.10	19.13	19.20			
15	16QAM	1	74	19.19	19.23	19.25	21	0	
15	16QAM	36	0	19.12	19.03	19.14			
15	16QAM	36	20	19.16	19.02	19.18			
15	16QAM	36	39	19.27	19.29	19.13	21	0	
15	16QAM	75	0	19.25	19.05	19.15			
15	64QAM	1	0	19.04	19.02	19.11			
15	64QAM	1	37	19.21	19.13	19.14	21	0	
15	64QAM	1	74	19.16	19.11	19.25			
15	64QAM	36	0	19.05	19.19	19.15			
15	64QAM	36	20	19.25	19.18	19.18	21	0	
15	64QAM	36	39	19.28	19.19	19.11			
15	64QAM	75	0	19.19	19.21	19.08			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.37	19.44	19.24	21	0	
10	QPSK	1	25	19.12	19.36	19.29			
10	QPSK	1	49	19.27	19.27	19.26			
10	QPSK	25	0	19.25	19.29	19.13	21	0	
10	QPSK	25	12	19.25	19.18	19.27			
10	QPSK	25	25	19.16	19.35	19.25			
10	QPSK	50	0	19.26	19.32	19.21	21	0	
10	16QAM	1	0	19.23	19.24	19.15			
10	16QAM	1	25	19.19	19.15	19.20			
10	16QAM	1	49	19.20	19.14	19.15	21	0	
10	16QAM	25	0	19.12	19.10	19.13			
10	16QAM	25	12	19.11	19.12	19.19			
10	16QAM	25	25	19.24	19.25	19.10	21	0	
10	16QAM	50	0	19.19	19.13	19.17			
10	64QAM	1	0	19.11	19.10	19.06			
10	64QAM	1	25	19.21	19.20	19.23	21	0	
10	64QAM	1	49	19.19	19.18	19.24			
10	64QAM	25	0	19.07	19.20	19.12			
10	64QAM	25	12	19.32	19.23	19.24	21	0	
10	64QAM	25	25	19.23	19.18	19.20			
10	64QAM	50	0	19.22	19.28	19.08			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.32	19.39	19.32	21	0	
5	QPSK	1	12	19.20	19.24	19.22			
5	QPSK	1	24	19.35	19.38	19.18			
5	QPSK	12	0	19.30	19.31	19.07	21	0	
5	QPSK	12	7	19.29	19.08	19.22			
5	QPSK	12	13	19.20	19.31	19.21			
5	QPSK	25	0	19.16	19.37	19.17	21	0	
5	16QAM	1	0	19.20	19.28	19.24			
5	16QAM	1	12	19.11	19.11	19.13			
5	16QAM	1	24	19.15	19.17	19.26	21	0	
5	16QAM	12	0	19.19	19.04	19.14			
5	16QAM	12	7	19.16	19.07	19.14			
5	16QAM	12	13	19.22	19.23	19.15	21	0	
5	16QAM	25	0	19.16	19.12	19.12			
5	64QAM	1	0	19.10	19.01	19.05			
5	64QAM	1	12	19.15	19.19	19.20	21	0	
5	64QAM	1	24	19.24	19.09	19.25			
5	64QAM	12	0	19.13	19.19	19.10			
5	64QAM	12	7	19.32	19.21	19.20	21	0	
5	64QAM	12	13	19.30	19.25	19.21			
5	64QAM	25	0	19.20	19.26	19.16			

Band 38 DSI6 Ant1 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.19	21.37	21.24	22.5	0	
20	QPSK	1	49	21.20	21.28	21.18			
20	QPSK	1	99	21.11	21.16	21.04			
20	QPSK	50	0	21.23	21.32	21.24			
20	QPSK	50	24	21.23	21.25	21.13	22.5	0	
20	QPSK	50	50	21.10	21.15	21.13			
20	QPSK	100	0	21.26	21.33	21.26			
20	16QAM	1	0	21.18	21.29	21.19			
20	16QAM	1	49	21.16	21.20	21.18	22.5	0	
20	16QAM	1	99	21.10	21.16	21.14			
20	16QAM	50	0	20.68	20.81	20.72			
20	16QAM	50	24	20.67	20.68	20.69			
20	16QAM	50	50	20.72	20.69	20.75	22	0.5	
20	16QAM	100	0	20.66	20.77	20.74			
20	64QAM	1	0	20.39	20.47	20.41			
20	64QAM	1	49	20.40	20.42	20.35			
20	64QAM	1	99	20.36	20.37	20.33	21	1.5	
20	64QAM	50	0	19.70	19.80	19.72			
20	64QAM	50	24	19.73	19.67	19.75			
20	64QAM	50	50	19.76	19.67	19.75			
20	64QAM	100	0	19.58	19.72	19.57	21	1.5	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.13	21.16	21.14	22.5	0	
15	QPSK	1	37	21.07	21.10	21.03			
15	QPSK	1	74	21.03	21.12	20.99			
15	QPSK	36	0	21.13	21.22	21.21			
15	QPSK	36	20	21.04	21.16	21.01	22.5	0	
15	QPSK	36	39	21.02	21.12	21.00			
15	QPSK	75	0	21.13	21.24	21.21			
15	16QAM	1	0	21.13	21.18	21.22			
15	16QAM	1	37	21.03	21.15	20.97	22.5	0	
15	16QAM	1	74	21.00	21.17	21.01			
15	16QAM	36	0	20.65	20.67	20.64			
15	16QAM	36	20	20.61	20.63	20.60			
15	16QAM	36	39	20.58	20.58	20.69	22	0.5	
15	16QAM	75	0	20.60	20.71	20.65			
15	64QAM	1	0	20.31	20.38	20.29			
15	64QAM	1	37	20.35	20.37	20.26			
15	64QAM	1	74	20.27	20.26	20.21	21	1.5	
15	64QAM	36	0	19.57	19.72	19.66			
15	64QAM	36	20	19.69	19.57	19.67			
15	64QAM	36	39	19.72	19.61	19.72			
15	64QAM	75	0	19.45	19.68	19.44	15		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22.5	0	
10	QPSK	1	0	21.09	21.28	21.18			
10	QPSK	1	25	21.06	21.11	21.09	22.5	0	
10	QPSK	1	49	21.01	21.03	21.07			
10	QPSK	25	0	21.10	21.30	21.24			
10	QPSK	25	12	21.14	21.16	21.02			
10	QPSK	25	25	21.04	21.09	21.01	22.5	0	
10	QPSK	50	0	21.04	21.28	21.19			
10	16QAM	1	0	21.10	21.23	21.25			
10	16QAM	1	25	21.09	21.09	21.08			
10	16QAM	1	49	21.09	21.11	21.04	22	0.5	
10	16QAM	25	0	20.53	20.77	20.68			
10	16QAM	25	12	20.54	20.54	20.62			
10	16QAM	25	25	20.67	20.60	20.68			
10	16QAM	50	0	20.52	20.65	20.61	21	1.5	
10	64QAM	1	0	20.33	20.35	20.37			
10	64QAM	1	25	20.28	20.34	20.29			
10	64QAM	1	49	20.25	20.28	20.29			
10	64QAM	25	0	19.59	19.71	19.68	21	1.5	
10	64QAM	25	12	19.62	19.63	19.64			
10	64QAM	25	25	19.67	19.53	19.60			
10	64QAM	50	0	19.54	19.68	19.42			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22.5	0	
5	QPSK	1	0	21.11	21.28	21.23			
5	QPSK	1	12	21.09	21.12	21.08	22.5	0	
5	QPSK	1	24	21.00	21.05	21.05			
5	QPSK	12	0	21.05	21.32	21.24			
5	QPSK	12	7	21.11	21.10	21.07			
5	QPSK	12	13	21.00	21.11	21.04	22.5	0	
5	QPSK	25	0	21.02	21.28	21.19			
5	16QAM	1	0	21.07	21.29	21.16			
5	16QAM	1	12	21.11	21.16	21.04			
5	16QAM	1	24	21.07	21.08	21.03	22	0.5	
5	16QAM	12	0	20.58	20.76	20.62			
5	16QAM	12	7	20.59	20.58	20.57			
5	16QAM	12	13	20.60	20.65	20.71			
5	16QAM	25	0	20.56	20.68	20.63	21	1.5	
5	64QAM	1	0	20.26	20.33	20.36			
5	64QAM	1	12	20.31	20.31	20.21			
5	64QAM	1	24	20.24	20.24	20.19			
5	64QAM	12	0	19.56	19.66	19.66	21	1.5	
5	64QAM	12	7	19.64	19.61	19.62			
5	64QAM	12	13	19.62	19.54	19.64			
5	64QAM	25	0	19.45	19.59	19.49			

Band 41 DSI6 Ant1 SA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.30	21.20	21.34	21.27	21.23	22.5	0
20	QPSK	1	49	21.22	21.25	21.30	21.19	21.24		
20	QPSK	1	99	21.06	21.10	21.19	21.13	21.11		
20	QPSK	50	0	21.20	21.23	21.32	21.26	21.25		
20	QPSK	50	24	21.20	21.22	21.27	21.18	21.18	22.5	0
20	QPSK	50	50	21.12	21.09	21.24	21.16	21.12		
20	QPSK	100	0	21.21	21.21	21.27	21.20	21.20		
20	16QAM	1	0	21.08	21.18	21.22	21.09	21.17		
20	16QAM	1	49	21.14	21.04	21.18	21.14	21.15	22.5	0
20	16QAM	1	99	21.03	21.05	21.14	21.06	21.04		
20	16QAM	50	0	20.74	20.65	20.77	20.69	20.56		
20	16QAM	50	24	20.73	20.62	20.63	20.67	20.54		
20	16QAM	50	50	20.71	20.65	20.69	20.74	20.52	22	0.5
20	16QAM	100	0	20.64	20.64	20.78	20.70	20.59		
20	64QAM	1	0	20.52	20.48	20.62	20.57	20.42		
20	64QAM	1	49	20.52	20.47	20.53	20.49	20.41		
20	64QAM	1	99	20.53	20.58	20.55	20.54	20.32	21	1.5
20	64QAM	50	0	19.66	19.64	19.70	19.56	19.49		
20	64QAM	50	24	19.59	19.61	19.64	19.61	19.49		
20	64QAM	50	50	19.61	19.63	19.60	19.57	19.47		
20	64QAM	50	100	19.66	19.68	19.73	19.67	19.44	21	1.5
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.20	21.14	21.26	21.14	21.11	23	0
15	QPSK	1	37	21.15	21.22	21.20	21.07	21.11		
15	QPSK	1	74	20.99	21.03	21.16	21.00	21.07		
15	QPSK	36	0	21.08	21.20	21.18	21.18	21.14		
15	QPSK	36	20	21.12	21.11	21.21	21.04	21.14	22.5	0
15	QPSK	36	39	21.06	20.98	21.15	21.03	20.98		
15	QPSK	75	0	21.13	21.10	21.15	21.11	21.07		
15	16QAM	1	0	21.00	21.08	21.18	21.03	21.11		
15	16QAM	1	37	21.04	20.99	21.08	21.05	21.08	22.5	0
15	16QAM	1	74	20.98	20.95	21.07	21.03	21.00		
15	16QAM	36	0	20.64	20.55	20.66	20.56	20.52		
15	16QAM	36	20	20.59	20.49	20.59	20.56	20.44		
15	16QAM	36	39	20.65	20.62	20.58	20.69	20.42	v	0.5
15	16QAM	75	0	20.59	20.57	20.64	20.66	20.47		
15	64QAM	1	0	20.40	20.42	20.58	20.43	20.28		
15	64QAM	1	37	20.39	20.35	20.42	20.45	20.29		
15	64QAM	1	74	20.50	20.48	20.43	20.48	20.20	21	1.5
15	64QAM	36	0	19.53	19.54	19.61	19.52	19.38		
15	64QAM	36	20	19.53	19.51	19.49	19.52	19.44		
15	64QAM	36	39	19.57	19.59	19.55	19.43	19.43		
15	64QAM	75	0	19.61	19.58	19.58	19.58	19.31	21	1.5
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.24	21.06	21.29	21.13	21.15	22.50	0
10	QPSK	1	25	21.19	21.13	21.18	21.06	21.12		
10	QPSK	1	49	21.02	21.02	21.14	21.04	20.97		
10	QPSK	25	0	21.15	21.16	21.28	21.17	21.10		
10	QPSK	25	12	21.15	21.16	21.21	21.04	21.08	22.5	0
10	QPSK	25	25	21.05	20.98	21.21	21.06	21.05		
10	QPSK	50	0	21.13	21.16	21.22	21.12	21.10		
10	16QAM	1	0	20.94	21.10	21.17	20.94	21.10		
10	16QAM	1	25	21.08	20.89	21.14	21.04	21.11	22.5	0
10	16QAM	1	49	20.96	20.97	21.00	20.98	20.99		
10	16QAM	25	0	20.66	20.55	20.67	20.65	20.49		
10	16QAM	25	12	20.65	20.49	20.50	20.57	20.43		
10	16QAM	25	25	20.57	20.56	20.62	20.67	20.44	22	0.5
10	16QAM	50	0	20.58	20.51	20.68	20.59	20.53		
10	64QAM	1	0	20.48	20.41	20.56	20.44	20.27		
10	64QAM	1	25	20.38	20.38	20.48	20.42	20.27		
10	64QAM	1	49	20.46	20.45	20.48	20.49	20.23	21	1.5
10	64QAM	25	0	19.63	19.51	19.62	19.42	19.45		
10	64QAM	25	12	19.48	19.51	19.57	19.54	19.34		
10	64QAM	25	25	19.49	19.54	19.46	19.48	19.44		
10	64QAM	50	0	19.61	19.64	19.69	19.62	19.40	21	1.5
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.26	21.14	21.21	21.18	21.12	22.50	0
5	QPSK	1	12	21.12	21.13	21.15	21.11	21.13		
5	QPSK	1	24	21.02	21.01	21.12	21.09	21.01		
5	QPSK	12	0	21.12	21.18	21.26	21.12	21.11		
5	QPSK	12	7	21.08	21.17	21.19	21.10	21.06	22.5	0
5	QPSK	12	13	21.04	20.98	21.21	21.01	21.01		
5	QPSK	25	0	21.09	21.17	21.16	21.11	21.09		
5	16QAM	1	0	21.00	21.10	21.08	20.95	21.08		
5	16QAM	1	12	21.07	20.91	21.12	21.05	21.00	22.5	0
5	16QAM	1	24	20.98	21.01	21.03	21.03	20.99		
5	16QAM	12	0	20.70	20.61	20.66	20.59	20.44		
5	16QAM	12	7	20.59	20.53	20.58	20.57	20.43		
5	16QAM	12	13	20.57	20.57	20.58	20.64	20.41	22	0.5
5	16QAM	25	0	20.60	20.59	20.73	20.65	20.45		
5	64QAM	1	0	20.43	20.35	20.54	20.52	20.36		
5	64QAM	1	12	20.37	20.41	20.42	20.42	20.33		
5	64QAM	1	24	20.44	20.47	20.46	20.39	20.26	21	1.5
5	64QAM	12	0	19.56	19.51	19.63	19.51	19.42		
5	64QAM	12	7	19.56	19.52	19.56	19.57	19.38		
5	64QAM	12	13	19.53	19.55	19.52	19.50	19.39		
5	64QAM	25	0	19.52	19.59	19.62	19.63	19.32	21	1.5



Band 2 DS16 Ant0 NSA											
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch./Freq. 18750	Power Mod Ch./Freq. 18800	Power Mod Ch./Freq. 19200	Turn-up init. (dB)	MRR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	14.22	14.30	14.33	16	0			
20	QPSK	1	49	14.25	14.32	14.28					
20	QPSK	1	99	14.26	14.33	14.28					
20	QPSK	50	0	14.22	14.33	14.13					
20	QPSK	50	24	14.17	14.33	14.24	16	0			
20	QPSK	50	24	14.17	14.33	14.24					
20	QPSK	50	50	14.21	14.16	14.12					
20	QPSK	100	0	14.18	14.23	14.05					
20	16QAM	1	0	14.24	14.30	14.17	16	0			
20	16QAM	1	99	14.18	14.16	14.20					
20	16QAM	50	0	14.23	14.07	14.07					
20	16QAM	50	24	14.13	14.09	14.10					
20	16QAM	50	50	14.19	14.33	14.12	16	0			
20	16QAM	100	0	14.19	14.10	14.14					
20	16QAM	1	0	14.12	14.07	14.12					
20	16QAM	1	49	14.21	14.16	14.14					
20	16QAM	1	99	14.24	14.10	14.16	16	0			
20	16QAM	50	0	14.17	14.17	14.14					
20	16QAM	50	24	14.17	14.10	14.21					
20	16QAM	50	50	14.18	14.24	14.18					
20	16QAM	100	0	14.22	14.20	14.19	16	0			
Channel											
Frequency (MHz)											
16	QPSK	1	0	14.09	14.08	14.21	16	0			
16	QPSK	1	37	14.11	14.26	14.17					
16	QPSK	1	74	14.21	14.17	14.24					
16	QPSK	36	0	14.12	14.05	14.15					
16	QPSK	36	20	14.12	14.05	14.15	16	0			
16	QPSK	36	20	14.07	14.10	14.06					
16	QPSK	75	0	14.09	14.20	14.14					
16	16QAM	1	0	14.16	14.10	14.04					
16	16QAM	1	37	14.11	14.09	14.06	16	0			
16	16QAM	1	74	14.21	14.11	14.17					
16	16QAM	36	0	14.03	14.04	14.03					
16	16QAM	36	20	14.08	14.10	14.15					
16	16QAM	36	39	14.05	14.14	14.09	16	0			
16	16QAM	75	0	14.11	14.18	14.07					
Channel											
Frequency (MHz)											
10	QPSK	1	0	14.18	14.20	14.23	16	0			
10	QPSK	1	25	14.19	14.18	14.20					
10	QPSK	1	49	14.14	14.21	14.16					
10	QPSK	25	0	14.14	14.20	14.09					
10	QPSK	25	12	14.06	14.10	14.18	16	0			
10	QPSK	25	25	14.06	14.10	14.07					
10	QPSK	50	0	14.10	14.20	14.10					
10	16QAM	1	0	14.23	14.24	14.16					
10	16QAM	1	25	14.12	14.08	14.16	16	0			
10	16QAM	1	49	14.18	14.17	14.26					
10	16QAM	25	0	14.23	14.03	14.10					
10	16QAM	25	12	14.18	14.08	14.08					
10	16QAM	25	25	14.11	14.22	14.08	16	0			
10	16QAM	50	0	14.08	14.02	14.00					
10	16QAM	1	0	14.11	14.08	14.16					
10	16QAM	1	25	14.18	14.18	14.11					
10	16QAM	1	49	14.20	14.08	14.18	16	0			
10	16QAM	25	14	14.03	14.09	14.13					
10	16QAM	25	14	14.10	14.13	14.08					
10	16QAM	50	0	14.10	14.17	14.12					
Channel											
Frequency (MHz)											
5	QPSK	1	0	14.08	14.03	14.22	16	0			
5	QPSK	1	12	14.15	14.21	14.23					
5	QPSK	1	24	14.19	14.18	14.20					
5	QPSK	12	0	14.14	14.20	14.00					
5	QPSK	12	7	14.12	14.08	14.18	16	0			
5	QPSK	12	13	14.11	14.08	14.02					
5	QPSK	25	0	14.08	14.12	14.01					
5	QPSK	25	0	14.16	14.10	14.25					
5	16QAM	1	12	14.06	14.09	14.05	16	0			
5	16QAM	1	24	14.14	14.08	14.20					
5	16QAM	12	0	14.19	14.09	14.02					
5	16QAM	12	7	14.09	14.11	14.02					
5	16QAM	1	0	14.13	14.10	14.04	16	0			
5	16QAM	1	12	14.13	14.10	14.04					
5	16QAM	12	0	14.14	14.10	14.05					
5	16QAM	12	13	14.14	14.14	14.09					
Channel											
Frequency (MHz)											
3	QPSK	1	0	14.09	14.20	14.19	16	0			
3	QPSK	1	6	14.12	14.21	14.14					
3	QPSK	1	14	14.20	14.19	14.17					
3	QPSK	8	0	14.13	14.20	14.01					
3	QPSK	8	4	14.05	14.07	14.12	16	0			
3	QPSK	8	7	14.12	14.09	14.11					
3	QPSK	15	0	14.03	14.20	14.01					
3	16QAM	1	8	14.13	14.13	14.08					
3	16QAM	1	8	14.02	14.04	14.07	16	0			
3	16QAM	1	14	14.04	14.14	14.16					
3	16QAM	8	0	14.17	14.07	14.07					
3	16QAM	8	7	14.08	14.18	14.07					
3	16QAM	1	0	14.08	14.00	14.03	16	0			
3	16QAM	1	8	14.14	14.04	14.07					
3	16QAM	14	0	14.10	14.08	14.20					
3	16QAM	8	0	14.18	14.10	14.09					
3	16QAM	8	4	14.08	14.13	14.17	16	0			
3	16QAM	8	7	14.10	14.13	14.16					
3	16QAM	15	0	14.17	14.23	14.08					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	14.18	14.31	14.28	16	0			
1.4	QPSK	1	3	14.16	14.21	14.25					
1.4	QPSK	1	3	14.25	14.20	14.20					
1.4	QPSK	3	0	14.28	14.30	14.30					
1.4	QPSK	3	1	14.20	14.30	14.30	16	0			
1.4	QPSK	3	1	14.18	14.23	14.15					
1.4	QPSK	6	0	14.15	14.22	14.22					
1.4	QPSK	6	0	14.31	14.20	14.17					
1.4	16QAM	1	0	14.16	14.07	14.14	16	0			
1.4	16QAM	1	0	14.22	14.34	14.25					
1.4	16QAM	3	0	14.18	14.09	14.11					
1.4	16QAM	3	0	14.11	14.07	14.11					
1.4	16QAM	3	2	14.21	14.14	14.14	16	0			
1.4	16QAM	6	0	14.17	14.13	14.07					
1.4	16QAM	6	0	14.17	14.13	14.12					
1.4	16QAM	6	0	14.17	14.13	14.12					
1.4	16QAM	3	2	14.21	14.14	14.14	16	0			
1.4	16QAM	1	0	14.20	14.12	14.21					
1.4	16QAM	1	0	14.14	14.15	14.20					
1.4	16QAM	3	2	14.08	14.16	14.08					
1.4	16QAM	3	2	14.11	14.18	14.08	16	0			
1.4	16QAM	3	2	14.17	14.17	14.17					

Band 7 Ant1 DSI6 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	18	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.47	16.56	16.54	18	0	
20	QPSK	1	49	16.46	16.45	16.43			
20	QPSK	1	99	16.39	16.48	16.49			
20	QPSK	50	0	16.52	16.53	16.29	18	0	
20	QPSK	50	24	16.47	16.42	16.40			
20	QPSK	50	50	16.41	16.41	16.38			
20	QPSK	100	0	16.42	16.46	16.29	18	0	
20	16QAM	1	0	16.36	16.36	16.44			
20	16QAM	1	49	16.30	16.43	16.36			
20	16QAM	1	99	16.41	16.41	16.39	18	0	
20	16QAM	50	0	16.44	16.25	16.33			
20	16QAM	50	24	16.25	16.33	16.34			
20	16QAM	50	50	16.43	16.50	16.30	18	0	
20	16QAM	100	0	16.33	16.34	16.41			
20	64QAM	1	0	16.37	16.32	16.29			
20	64QAM	1	49	16.35	16.38	16.34	18	0	
20	64QAM	1	99	16.38	16.37	16.42			
20	64QAM	50	0	16.33	16.40	16.36			
20	64QAM	50	24	16.44	16.44	16.45	18	0	
20	64QAM	50	50	16.43	16.33	16.38			
20	64QAM	100	0	16.36	16.43	16.39			
Channel				20825	21100	21375	18	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.32	16.49	16.48	18	0	
15	QPSK	1	37	16.38	16.31	16.35			
15	QPSK	1	74	16.30	16.38	16.37			
15	QPSK	36	0	16.48	16.43	16.15	18	0	
15	QPSK	36	20	16.42	16.28	16.29			
15	QPSK	36	39	16.32	16.30	16.25			
15	QPSK	75	0	16.33	16.39	16.20	18	0	
15	16QAM	1	0	16.29	16.29	16.40			
15	16QAM	1	37	16.23	16.30	16.21			
15	16QAM	1	74	16.35	16.29	16.26	18	0	
15	16QAM	36	0	16.37	16.12	16.29			
15	16QAM	36	20	16.11	16.25	16.23			
15	16QAM	36	39	16.30	16.42	16.16	18	0	
15	16QAM	75	0	16.26	16.29	16.35			
15	64QAM	1	0	16.26	16.17	16.23			
15	64QAM	1	37	16.31	16.31	16.25	18	0	
15	64QAM	1	74	16.33	16.22	16.37			
15	64QAM	36	0	16.25	16.25	16.22			
15	64QAM	36	20	16.36	16.35	16.38	18	0	
15	64QAM	36	39	16.30	16.29	16.29			
15	64QAM	75	0	16.29	16.38	16.32			
Channel				20800	21100	21400	18	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.43	16.53	16.42	18	0	
10	QPSK	1	25	16.41	16.35	16.32			
10	QPSK	1	49	16.30	16.42	16.35			
10	QPSK	25	0	16.40	16.49	16.14	18	0	
10	QPSK	25	12	16.35	16.36	16.31			
10	QPSK	25	25	16.36	16.38	16.34			
10	QPSK	50	0	16.31	16.34	16.16	18	0	
10	16QAM	1	0	16.33	16.27	16.30			
10	16QAM	1	25	16.27	16.34	16.25			
10	16QAM	1	49	16.34	16.27	16.35	18	0	
10	16QAM	25	0	16.38	16.14	16.20			
10	16QAM	25	12	16.14	16.27	16.29			
10	16QAM	25	25	16.32	16.40	16.22	18	0	
10	16QAM	50	0	16.25	16.27	16.27			
10	64QAM	1	0	16.32	16.23	16.24			
10	64QAM	1	25	16.30	16.31	16.28	18	0	
10	64QAM	1	49	16.27	16.34	16.37			
10	64QAM	25	0	16.29	16.34	16.24			
10	64QAM	25	12	16.29	16.36	16.35	18	0	
10	64QAM	25	25	16.33	16.19	16.31			
10	64QAM	50	0	16.23	16.29	16.27			
Channel				20775	21100	21425	18	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.36	16.47	16.44	18	0	
5	QPSK	1	12	16.32	16.34	16.35			
5	QPSK	1	24	16.25	16.40	16.35			
5	QPSK	12	0	16.39	16.43	16.22	18	0	
5	QPSK	12	7	16.35	16.36	16.34			
5	QPSK	12	13	16.33	16.36	16.35			
5	QPSK	25	0	16.31	16.36	16.17	18	0	
5	16QAM	1	0	16.25	16.23	16.35			
5	16QAM	1	12	16.18	16.31	16.21			
5	16QAM	1	24	16.34	16.38	16.25	18	0	
5	16QAM	12	0	16.34	16.10	16.20			
5	16QAM	12	7	16.14	16.25	16.21			
5	16QAM	12	13	16.28	16.37	16.23	18	0	
5	16QAM	25	0	16.26	16.25	16.28			
5	64QAM	1	0	16.27	16.28	16.17			
5	64QAM	1	12	16.24	16.27	16.20	18	0	
5	64QAM	1	24	16.26	16.27	16.36			
5	64QAM	12	0	16.30	16.30	16.29			
5	64QAM	12	7	16.38	16.40	16.31	18	0	
5	64QAM	12	13	16.30	16.25	16.32			
5	64QAM	25	0	16.31	16.36	16.28			

Band 38 DS16 Ant1 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.12	18.34	18.27			
20	QPSK	1	49	18.07	18.20	18.19	19.5	0	
20	QPSK	1	99	18.12	18.21	18.15			
20	QPSK	50	0	18.20	18.29	18.08			
20	QPSK	50	24	18.15	18.08	18.09	19.5	0	
20	QPSK	50	50	18.11	18.20	18.11			
20	QPSK	100	0	18.09	18.15	18.07			
20	16QAM	1	0	18.06	18.09	18.03	19.5	0	
20	16QAM	1	49	17.96	18.05	18.01			
20	16QAM	1	99	18.10	18.11	18.04			
20	16QAM	50	0	18.10	18.06	18.01	19.5	0	
20	16QAM	50	24	17.98	17.97	17.98			
20	16QAM	50	50	18.09	18.14	18.07			
20	16QAM	100	0	18.06	17.98	18.08	19.5	0	
20	64QAM	1	0	18.05	18.06	17.96			
20	64QAM	1	49	18.09	18.04	18.10			
20	64QAM	1	99	18.11	17.99	18.17	19.5	0	
20	64QAM	50	0	18.06	18.08	18.00			
20	64QAM	50	24	18.17	18.20	18.07			
20	64QAM	50	50	18.14	18.04	18.16	19.5	0	
20	64QAM	100	0	18.11	18.07	18.05			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.99	18.25	18.23			
15	QPSK	1	37	18.01	18.07	18.11	19.5	0	
15	QPSK	1	74	18.04	18.08	18.10			
15	QPSK	36	0	18.13	18.17	17.97			
15	QPSK	36	20	18.01	17.93	18.05	19.5	0	
15	QPSK	36	39	18.04	18.12	17.98			
15	QPSK	75	0	18.06	18.01	18.02			
15	16QAM	1	0	17.96	18.00	17.99	19.5	0	
15	16QAM	1	37	17.92	17.94	17.98			
15	16QAM	1	74	17.98	18.07	17.90			
15	16QAM	36	0	18.05	17.96	17.94	19.5	0	
15	16QAM	36	20	17.84	17.91	17.90			
15	16QAM	36	39	17.98	18.01	18.02			
15	16QAM	75	0	17.91	17.94	17.95	19.5	0	
15	64QAM	1	0	17.96	18.00	17.90			
15	64QAM	1	37	17.98	17.98	17.96			
15	64QAM	1	74	18.05	17.92	18.06	19.5	0	
15	64QAM	36	0	17.94	18.03	17.89			
15	64QAM	36	20	18.08	18.15	17.95			
15	64QAM	36	39	18.00	17.98	18.13	19.5	0	
15	64QAM	75	0	17.99	17.94	17.96			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.00	18.31	18.15			
10	QPSK	1	25	17.94	18.17	18.16	19.5	0	
10	QPSK	1	49	18.07	18.11	18.04			
10	QPSK	25	0	18.09	18.20	17.98			
10	QPSK	25	12	18.01	18.02	17.97	19.5	0	
10	QPSK	25	25	17.99	18.13	18.05			
10	QPSK	50	0	18.02	18.06	17.96			
10	16QAM	1	0	17.92	17.96	17.89	19.5	0	
10	16QAM	1	25	17.92	17.99	17.95			
10	16QAM	1	49	18.04	17.97	17.89			
10	16QAM	25	0	17.98	17.95	17.92	19.5	0	
10	16QAM	25	12	17.87	17.87	17.93			
10	16QAM	25	25	17.95	18.05	17.96			
10	16QAM	50	0	18.01	17.90	18.00	19.5	0	
10	64QAM	1	0	17.91	17.95	17.93			
10	64QAM	1	25	18.05	17.99	18.00			
10	64QAM	1	49	17.97	17.92	18.06	19.5	0	
10	64QAM	25	0	18.01	17.98	17.88			
10	64QAM	25	12	18.10	18.16	17.96			
10	64QAM	25	25	18.04	17.93	18.02	19.5	0	
10	64QAM	50	0	18.00	18.00	17.92			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.97	18.27	18.23			
5	QPSK	1	12	17.94	18.13	18.07	19.5	0	
5	QPSK	1	24	18.00	18.11	18.01			
5	QPSK	12	0	18.07	18.25	18.01			
5	QPSK	12	7	18.03	17.94	18.03	19.5	0	
5	QPSK	12	13	18.00	18.14	18.01			
5	QPSK	25	0	17.95	18.09	17.93			
5	16QAM	1	0	17.95	17.98	17.96	19.5	0	
5	16QAM	1	12	17.86	18.01	17.89			
5	16QAM	1	24	17.96	18.02	18.01			
5	16QAM	12	0	18.06	17.92	17.89	19.5	0	
5	16QAM	12	7	17.84	17.88	17.87			
5	16QAM	12	13	18.03	18.03	17.99			
5	16QAM	25	0	17.99	17.92	17.98	19.5	0	
5	64QAM	1	0	17.92	17.94	17.91			
5	64QAM	1	12	18.03	17.95	18.05			
5	64QAM	1	24	18.05	17.95	18.05	19.5	0	
5	64QAM	12	0	18.00	17.96	17.96			
5	64QAM	12	7	18.06	18.13	17.98			
5	64QAM	12	13	18.08	17.91	18.04	19.5	0	
5	64QAM	25	0	18.00	18.01	17.95			

Band 4 DSI6 Ant4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20050	20175	20300						
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	16.29	16.47	16.31	17.5	0				
20	QPSK	1	49	16.21	16.39	16.29						
20	QPSK	1	99	16.37	16.30	16.37						
20	QPSK	50	0	16.29	16.33	16.25						
20	QPSK	50	24	16.23	16.19	16.32	17.5	0				
20	QPSK	50	50	16.27	16.29	16.24						
20	QPSK	100	0	16.28	16.30	16.25						
20	16QAM	1	0	16.34	16.19	16.28						
20	16QAM	1	49	16.16	16.19	16.22	17.5	0				
20	16QAM	1	99	16.26	16.32	16.19						
20	16QAM	50	0	16.23	16.20	16.19						
20	16QAM	50	24	16.10	16.17	16.11						
20	16QAM	50	50	16.27	16.32	16.17	17.5	0				
20	16QAM	100	0	16.19	16.07	16.18						
20	16QAM	1	0	16.15	16.10	16.13						
20	16QAM	1	49	16.16	16.13	16.21						
20	16QAM	1	99	16.19	16.20	16.22	17.5	0				
20	16QAM	50	0	16.18	16.30	16.14						
20	16QAM	50	24	16.32	16.32	16.21						
20	16QAM	50	50	16.29	16.19	16.25						
20	16QAM	100	0	16.27	16.26	16.17						
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	16.20	16.30	16.26	17.5	0				
15	QPSK	1	37	16.15	16.22	16.28						
15	QPSK	1	74	16.25	16.12	16.33						
15	QPSK	36	0	16.20	16.25	16.10						
15	QPSK	36	20	16.14	16.16	16.27	17.5	0				
15	QPSK	36	39	16.09	16.13	16.22						
15	QPSK	75	0	16.18	16.22	16.09						
15	16QAM	1	0	16.15	16.12	16.15						
15	16QAM	1	37	16.10	16.03	16.14	17.5	0				
15	16QAM	1	74	16.22	16.26	16.21						
15	16QAM	36	0	16.12	16.05	16.06						
15	16QAM	36	20	16.06	16.07	16.00						
15	16QAM	36	39	16.21	16.22	16.10	17.5	0				
15	16QAM	75	0	16.20	16.09	16.06						
15	16QAM	1	0	16.04	16.02	16.00						
15	16QAM	1	37	16.10	16.02	16.07						
15	16QAM	1	74	16.12	16.09	16.20	17.5	0				
15	16QAM	36	0	16.24	16.18	15.98						
15	16QAM	36	20	16.27	16.23	16.09						
15	16QAM	36	39	16.20	16.19	16.02						
15	16QAM	75	0	16.15	16.16	16.06						
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1715	1732.5	1750						
10	QPSK	1	0	16.23	16.43	16.35	17.5	0				
10	QPSK	1	25	16.23	16.25	16.24						
10	QPSK	1	49	16.22	16.27	16.25						
10	QPSK	25	0	16.21	16.21	16.21						
10	QPSK	25	12	16.25	16.16	16.12	17.5	0				
10	QPSK	25	25	15.99	16.21	16.17						
10	QPSK	50	0	16.16	16.16	16.05						
10	16QAM	1	0	16.15	16.07	16.14						
10	16QAM	1	25	16.10	16.11	16.12	17.5	0				
10	16QAM	1	49	16.24	16.24	16.06						
10	16QAM	25	0	16.22	16.17	16.13						
10	16QAM	25	12	16.11	16.08	16.01						
10	16QAM	50	0	16.13	16.03	16.10	17.5	0				
10	16QAM	1	0	16.07	16.02	16.17						
10	16QAM	1	25	16.02	16.13	16.17						
10	16QAM	1	49	16.15	16.20	16.18						
10	16QAM	25	0	16.07	16.09	16.04	17.5	0				
10	16QAM	25	12	16.21	16.21	16.16						
10	16QAM	25	25	16.21	16.19	16.13						
10	16QAM	50	0	16.11	16.09	16.15						
Channel				19975	20175	20375	Tune-up limit (dBm)		MPR (dB)			
Frequency (MHz)				1712.5	1732.5	1752.5						
5	QPSK	1	0	16.25	16.40	16.32	17.5	0				
5	QPSK	1	12	16.19	16.18	16.26						
5	QPSK	1	24	16.23	16.25	16.30						
5	QPSK	12	0	16.20	16.29	16.14						
5	QPSK	12	7	16.21	16.12	16.21	17.5	0				
5	QPSK	12	13	16.16	16.22	16.23						
5	QPSK	25	0	16.23	16.26	16.03						
5	16QAM	1	0	16.23	16.15	16.12						
5	16QAM	1	12	16.10	16.12	16.16	17.5	0				
5	16QAM	1	24	16.21	16.27	16.14						
5	16QAM	12	0	16.07	16.17	16.10						
5	16QAM	12	7	16.11	16.09	15.96						
5	16QAM	12	13	16.11	16.20	16.11	17.5	0				
5	16QAM	25	0	16.10	16.03	16.08						
5	16QAM	1	0	16.04	15.93	16.03						
5	16QAM	1	12	16.15	16.09	16.10						
5	16QAM	1	24	16.17	16.19	16.19	17.5	0				
5	16QAM	12	0	16.14	16.16	16.12						
5	16QAM	12	7	16.20	16.31	16.08						
5	16QAM	12	13	16.10	16.06	16.15						
5	16QAM	25	0	16.28	16.21	16.18						
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1711.5	1732.5	1753.5						
3	QPSK	1	0	16.21	16.44	16.27	17.5	0				
3	QPSK	1	8	16.15	16.29	16.28						
3	QPSK	1	14	16.25	16.21	16.29						
3	QPSK	8	0	16.16	16.23	16.03						
3	QPSK	8	4	16.19	16.17	16.20	17.5	0				
3	QPSK	8	7	16.16	16.24	16.23						
3	QPSK	15	0	16.17	16.20	15.99						
3	16QAM	1	0	16.15	16.08	16.21						
3	16QAM	1	8	16.13	16.07	16.13	17.5	0				
3	16QAM	1	14	16.24	16.17	16.10						
3	16QAM	8	0	16.07	16.17	16.12						
3	16QAM	8	4	16.04	16.03	16.10						
3	16QAM	8	7	16.19	16.20	16.23	17.5	0				
3	16QAM	15	0	16.11	16.00	16.11						
3	16QAM	1	0	16.04	15.97	16.02						
3	16QAM	1	8	16.11	16.15	16.11						
3	16QAM	1	14	16.06	16.14	16.22	17.5	0				
3	16QAM	8	0	16.21	16.11	16.01						
3	16QAM	8	4	16.17	16.33	16.11						
3	16QAM	8	7	16.28	16.14	16.14						
3	16QAM	15	0	16			17.5	0				
Channel				19967	20173	20393			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	16.22	16.32	16.34			17.5	0		
1.4	QPSK	1	3	16.16	16.19	16.18						
1.4	QPSK	1	5	16.24	16.18	16.20						
1.4	QPSK	3	0	16.20	16.26	16.09						
1.4	QPSK	3	1	16.06	16.16	16.14	17.5	0				
1.4	QPSK	3	3	16.00	16.21	16.21						
1.4	QPSK	6	0	16.10	16.19	16.03						
1.4	16QAM	1	0	16.21	16.06	16.03						
1.4	16QAM	1	3	16.08	16.16	16.04	17.5	0				
1.4	16QAM	1	5	16.20	16.14	16.12						
1.4	16QAM	3	0	16.10	16.07	16.05						
1.4	16QAM	3	1	16.16	16.06	16.05						
1.4	16QAM	3	3	16.27	16.19	16.03	17.5	0				
1.4	16QAM	6	0	16.17	15.99	16.13						
1.4	16QAM	1	0	16.12	16.03	16.19						
1.4	16QAM	1	3	16.10	16.15	16.17						
1.4	16QAM	1	5	16.03	16.06	16.16	17.5	0				
1.4	16QAM	3	0	16.11	16.06	16.05						
1.4	16QAM	3	1	16.25	16.32	16.12						
1.4	16QAM	3	3	16.07	16.14	16.16						
1.4	16QAM	6	0	16.20	16.05	16.13	17.5	0				

Uplink CA Power

Ant1

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.17	24.00
21100	21298	QPSK	1	99	1	0	22.28	24.00
21350	21152	QPSK	1	0	1	99	22.12	24.00

Ant1

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.27	24.00
37901	38099	QPSK	1	99	1	0	22.45	24.00
38150	37952	QPSK	1	0	1	99	22.31	24.00

Ant1

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.37	24.00
40185	40383	QPSK	1	99	1	0	22.23	24.00
40620	40818	QPSK	1	99	1	0	22.53	24.00
41055	41253	QPSK	1	99	1	0	22.30	24.00
41490	41292	QPSK	1	0	1	99	22.28	24.00

Uplink CA Down Power

Ant1_DS1347_SA

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.73	18.50
21100	21298	QPSK	1	99	1	0	16.94	18.50
21350	21152	QPSK	1	0	1	99	16.75	18.50

Ant1_DS1347_NSA

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	12.78	14.50
21100	21298	QPSK	1	99	1	0	12.89	14.50
21350	21152	QPSK	1	0	1	99	12.70	14.50

Ant1_DS1347_SA

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.30	20.00
37901	38099	QPSK	1	99	1	0	18.43	20.00
38150	37952	QPSK	1	0	1	99	18.37	20.00

Ant1_DS1347_NSA

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	14.91	16.50
37901	38099	QPSK	1	99	1	0	14.99	16.50
38150	37952	QPSK	1	0	1	99	14.92	16.50

Ant1_DS1347_SA

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.44	20.00
40185	40383	QPSK	1	99	1	0	18.23	20.00
40620	40818	QPSK	1	99	1	0	18.53	20.00
41055	41253	QPSK	1	99	1	0	18.28	20.00
41490	41292	QPSK	1	0	1	99	18.3	20.00

Ant1_DS16_SA

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.19	22.50
40185	40383	QPSK	1	99	1	0	21.22	22.50
40620	40818	QPSK	1	99	1	0	21.35	22.50
41055	41253	QPSK	1	99	1	0	21.29	22.50
41490	41292	QPSK	1	0	1	99	21.17	22.50

Ant1 DSI6 SA								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.50	21.00
21100	21298	QPSK	1	99	1	0	19.61	21.00
21350	21152	QPSK	1	0	1	99	19.43	21.00

Ant1 DSI6 NSA								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.52	18.00
21100	21298	QPSK	1	99	1	0	16.53	18.00
21350	21152	QPSK	1	0	1	99	16.44	18.00

Ant1 DSI6 SA								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.19	22.50
37901	38099	QPSK	1	99	1	0	21.31	22.50
38150	37952	QPSK	1	0	1	99	21.30	22.50

Ant1 DSI6 NSA								
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.83	19.50
37901	38099	QPSK	1	99	1	0	17.95	19.50
38150	37952	QPSK	1	0	1	99	17.89	19.50



Ant1 DS12 NSA								
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.50	21.00
21100	21298	QPSK	1	99	1	0	19.51	21.00
21350	21152	QPSK	1	0	1	99	19.43	21.00

Downlink CA Power

2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuratio n	LTE	BW	DL	DL	DL Antenna Configuratio n	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset		Band	(MHz)	Freq. (MHz)	Channel			
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1879.8	1098	4x4MIMO	22.29	22.34
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		22.37	22.54
	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 5	10M	881.5	2525		22.71	22.88
CA_7B	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.35	22.39
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.41	22.50
CA_7A-26A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.49	22.58
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590		22.39	22.50
CA_7A-42A	Band 42	Ant0	20M	3500	42590	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.73	22.90
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		22.51	22.58
CA_26A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 26	15M	876.5	8865		22.76	22.88
	Band 38	Ant1	20M	2580	37850	QPSK	1	0		Band 38	20M	2599.8	38048		22.62	22.84
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		22.73	22.88
	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 42	20M	3500	42590		22.70	22.88
CA_41A-42A	Band 42	Ant0	20M	3500	42590	QPSK	1	0		Band 41	20M	2593	40620		22.68	22.90
	Band 42	Ant0	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		22.76	22.90
CA_42C	Band 42	Ant0	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		22.76	22.90
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.52	22.55
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.46	22.55

3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB	Configurat	Band	(MHz)	Freq. (MHz)	Channel	Configurat	Band	(MHz)	Freq. (MHz)	Channel	Configurat	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		22.19	22.34
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	22.32	22.53
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175		22.47	22.54
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	22.14	22.34
CA_2A-4A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.31	22.53
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175		22.48	22.50
CA_2A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.10	22.34
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.35	22.50
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.16	22.34
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.38	22.50
CA_2A-7A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.10	22.34
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.26	22.50
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.39	22.55
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.16	22.34
CA_2A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.35	22.55
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.29	22.53
CA_4A-7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175		22.40	22.50
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.31	22.54
CA_5A-7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.45	22.50
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.46	22.54
CA_5A-7A-66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	22.39	22.50
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 5	10M	881.5	2525		22.38	22.55
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.33	22.54
CA_5A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.31	22.55
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.28	22.50
CA_7A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.32	22.55

Full Power Mode

n2 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.27	22.36	22.33		
20	PI/2 BPSK	1	53	22.45	22.52	22.38	24.0	0.0
20	PI/2 BPSK	1	104	22.29	22.40	22.33		
20	PI/2 BPSK	50	0	21.80	21.92	21.78		
20	PI/2 BPSK	50	28	22.52	22.55	22.49	23.5	0.0
20	PI/2 BPSK	50	56	21.86	21.96	21.88		
20	PI/2 BPSK	100	0	21.95	22.01	21.92		
20	QPSK	1	1	22.31	22.34	22.41	24.0	0.0
20	QPSK	1	53	22.55	22.58	22.52		
20	QPSK	1	104	22.21	22.32	22.22		
20	QPSK	50	0	21.27	21.41	21.27	23.0	1.0
20	QPSK	50	28	22.42	22.53	22.44		
20	QPSK	50	56	21.34	21.48	21.34		
20	QPSK	100	0	21.39	21.50	21.44	23.0	1.0
20	16QAM	1	1	21.22	21.32	21.25		
20	64QAM	1	1	19.72	19.76	19.66		
20	256QAM	1	1	18.25	18.32	18.27	19.5	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	40	22.41	22.47	22.38	24.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	26	22.50	22.48	22.48	24.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	13	22.46	22.49	22.40	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.36	22.43	22.32	24.0	0.0
50	PI/2 BPSK	1	135	22.78	22.81	22.76		
50	PI/2 BPSK	1	268	22.54	22.62	22.51		
50	PI/2 BPSK	135	0	22.16	22.19	22.06		
50	PI/2 BPSK	135	68	22.68	22.80	22.76	24.0	0.0
50	PI/2 BPSK	135	135	22.06	22.16	22.05	23.5	0.5
50	PI/2 BPSK	270	0	22.10	22.23	22.10		
50	QPSK	1	1	22.36	22.42	22.40	24.0	0.0
50	QPSK	1	135	22.71	22.84	22.74		
50	QPSK	1	268	22.49	22.56	22.46		
50	QPSK	135	0	21.55	21.68	21.61		
50	QPSK	135	68	22.77	22.81	22.73	24.0	0.0
50	QPSK	135	135	21.67	21.76	21.62	23.0	1.0
50	QPSK	270	0	21.59	21.71	21.64		
50	16QAM	1	1	21.44	21.52	21.38	23.0	1.0
50	64QAM	1	1	19.92	19.99	19.94	21.5	2.5
50	256QAM	1	1	18.20	18.33	18.27	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	108	22.56	22.79	22.67		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	22.55	22.81	22.61		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	67	22.63	22.73	22.65		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	22.65	22.74	22.69		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.68	22.78	22.62		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.54	22.71	22.61		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	22.61	22.79	22.58		

n78 Ant1								
BW [MHz]	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)					633334	3500.01		
100	PI/2 BPSK	1	1		16.79		19.0	0.0
100	PI/2 BPSK	1	137		17.86			
100	PI/2 BPSK	1	271		16.93			
100	PI/2 BPSK	135	0		16.71		18.5	0.5
100	PI/2 BPSK	135	69		17.87		19.0	0.0
100	PI/2 BPSK	135	138		16.66		18.5	0.5
100	PI/2 BPSK	270	0		16.58			
100	QPSK	1	1		16.84		19.0	0.0
100	QPSK	1	137		17.91			
100	QPSK	1	271		17.02			
100	QPSK	135	0		16.69		18.0	1.0
100	QPSK	135	69		17.84		19.0	0.0
100	QPSK	135	138		16.75		18.0	1.0
100	QPSK	270	0		16.64			
100	16QAM	1	1		15.54		18.0	1.0
100	64QAM	1	1		14.08		16.5	2.5
100	256QAM	1	1		12.99		14.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	17.71	17.88	17.77	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	17.71	17.88	17.69	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	17.68	17.79	17.71	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	17.74	17.82	17.79	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	17.75	17.83	17.69	19.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	17.80	17.79	17.73	19.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	17.77	17.77	17.71	19.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	17.80	17.86	17.75	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	17.71	17.87	17.70	19.0	0.0

n78 Ant3								
BW (MHz)	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)					633334	3500.01		
100	PI/2 BPSK	1	1		16.80		19.0	0.0
100	PI/2 BPSK	1	137		17.76			
100	PI/2 BPSK	1	271		16.68			
100	PI/2 BPSK	135	0		17.13			
100	PI/2 BPSK	135	69		17.78		18.5	0.5
100	PI/2 BPSK	135	138		17.01		19.0	0.0
100	PI/2 BPSK	270	0		17.04		18.5	0.5
100	QPSK	1	1		16.79		19.0	0.0
100	QPSK	1	137		17.82			
100	QPSK	1	271		16.67			
100	QPSK	135	0		16.60			
100	QPSK	135	69		17.72		18.0	1.0
100	QPSK	135	138		16.49		19.0	0.0
100	QPSK	270	0		16.56		18.0	1.0
100	16QAM	1	1		15.55		18.0	1.0
100	64QAM	1	1		14.02		16.5	2.5
100	256QAM	1	1		12.99		14.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	17.63	17.71	17.64	19.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	17.68	17.73	17.64	19.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	17.62	17.71	17.57	19.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	17.66	17.73	17.67	19.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	17.61	17.73	17.59	19.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	17.62	17.73	17.65	19.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	17.54	17.67	17.53	19.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	17.70	17.74	17.61	19.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	17.65	17.78	17.65	19.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.49	22.66	22.59	24.0	0.0
50	PI/2 BPSK	1	135	22.97	23.08	23.04		
50	PI/2 BPSK	1	268	22.81	22.84	22.71		
50	PI/2 BPSK	135	0	22.48	22.65	22.55		
50	PI/2 BPSK	135	68	22.94	23.03	22.97	24.0	0.0
50	PI/2 BPSK	135	135	22.60	22.69	22.54	23.5	0.5
50	PI/2 BPSK	270	0	22.56	22.62	22.45		
50	QPSK	1	1	22.59	22.62	22.56	24.0	0.0
50	QPSK	1	135	23.00	23.11	22.96		
50	QPSK	1	268	22.63	22.79	22.66		
50	QPSK	135	0	22.11	22.14	22.00		
50	QPSK	135	68	23.04	23.09	22.94	24.0	0.0
50	QPSK	135	135	21.94	22.05	21.98	23.0	1.0
50	QPSK	270	0	22.01	22.14	22.07		
50	16QAM	1	1	21.77	21.88	21.74	23.0	1.0
50	64QAM	1	1	20.24	20.30	20.21	21.5	2.5
50	256QAM	1	1	18.55	18.66	18.57	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	24.0	0.0
40	QPSK	1	108	22.80	23.02	22.90	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.0	0.0
30	QPSK	1	80	22.80	23.02	22.92	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0
25	QPSK	1	67	22.95	23.05	22.82	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.0	0.0
20	QPSK	1	53	22.85	22.94	22.92	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	40	22.80	22.98	22.89	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.0	0.0
10	QPSK	1	26	22.95	22.94	22.93	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	13	22.94	22.95	22.90	24.0	0.0

n66 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.20	22.28	22.16	24.0	0.0
40	PI/2 BPSK	1	108	22.78	22.87	22.79		
40	PI/2 BPSK	1	214	22.09	22.26	22.17		
40	PI/2 BPSK	108	0	22.21	22.24	22.09		
40	PI/2 BPSK	108	54	22.79	22.82	22.70	24.0	0.0
40	PI/2 BPSK	108	108	22.10	22.23	22.09	23.5	0.5
40	PI/2 BPSK	216	0	22.13	22.20	22.06		
40	QPSK	1	1	22.23	22.24	22.16	24.0	0.0
40	QPSK	1	108	22.81	22.89	22.82		
40	QPSK	1	214	22.01	22.17	22.01		
40	QPSK	108	0	21.71	21.73	21.66		
40	QPSK	108	54	22.74	22.85	22.73	24.0	0.0
40	QPSK	108	108	21.63	21.71	21.69	23.0	1.0
40	QPSK	216	0	21.56	21.68	21.59		
40	16QAM	1	1	21.18	21.30	21.24	23.0	1.0
40	64QAM	1	1	19.66	19.74	19.59	21.5	2.5
40	256QAM	1	1	18.16	18.32	18.25	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	QPSK	1	80	22.69	22.78	22.73	24.0	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0
25	QPSK	1	67	22.71	22.87	22.73	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.0	0.0
20	QPSK	1	53	22.78	22.85	22.73	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	QPSK	1	40	22.65	22.82	22.71	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	QPSK	1	26	22.75	22.83	22.66	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	QPSK	1	13	22.72	22.73	22.80	24.0	0.0

n78 Ant5								
BW [MHz]	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)					633334 3500.01			
100	PI/2 BPSK	1	1		21.65		24.0	0.0
100	PI/2 BPSK	1	137		22.70			
100	PI/2 BPSK	1	271		21.67			
100	PI/2 BPSK	135	0		22.03			
100	PI/2 BPSK	135	69		22.72		23.5	0.5
100	PI/2 BPSK	135	138		21.96		24.0	0.0
100	PI/2 BPSK	270	0		22.02		23.5	0.5
100	QPSK	1	1		21.62		24.0	0.0
100	QPSK	1	137		22.74			
100	QPSK	1	271		21.69			
100	QPSK	135	0		21.48			
100	QPSK	135	69		22.68		23.0	1.0
100	QPSK	135	138		21.53		24.0	0.0
100	QPSK	270	0		21.49		23.0	1.0
100	16QAM	1	1		20.59		23.0	1.0
100	64QAM	1	1		19.14		21.5	2.5
100	256QAM	1	1		17.86		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	22.56	22.59	22.52	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	22.54	22.68	22.61	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.63	22.71	22.57	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.57	22.60	22.54	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.56	22.68	22.65	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	22.56	22.59	22.56	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	22.63	22.67	22.64	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.50	22.60	22.46	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.57	22.68	22.56	24.0	0.0

n78 Ant7								
BW [MHz]	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)					633334	3500.01		
100	PI/2 BPSK	1	1		19.18		21.5	0.0
100	PI/2 BPSK	1	137		20.29			
100	PI/2 BPSK	1	271		19.55			
100	PI/2 BPSK	135	0		19.65			
100	PI/2 BPSK	135	69		20.24		21.5	0.0
100	PI/2 BPSK	135	138		19.72		21.0	0.5
100	PI/2 BPSK	270	0		19.59			
100	QPSK	1	1		19.05		21.5	0.0
100	QPSK	1	137		20.32			
100	QPSK	1	271		19.48			
100	QPSK	135	0		19.08			
100	QPSK	135	69		20.31		21.5	0.0
100	QPSK	135	138		19.24		20.5	1.0
100	QPSK	270	0		19.12			
100	16QAM	1	1		17.85		20.5	1.0
100	64QAM	1	1		16.34		19.0	2.5
100	256QAM	1	1		15.32		17.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	20.13	20.17	20.05	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	20.18	20.24	20.13	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.06	20.19	20.11	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.10	20.17	20.08	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.18	20.28	20.20	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.08	20.23	20.15	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.19	20.26	20.13	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.18	20.27	20.22	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.09	20.22	20.08	21.5	0.0

Reduced Power Mode for DSI2

n7 DSI2 Ant4 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	14.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	12.83	12.89	12.77			
50	PI/2 BPSK	1	135	13.42	13.46	13.37	14.5	0.0	
50	PI/2 BPSK	1	268	12.91	13.05	12.90			
50	PI/2 BPSK	135	0	13.27	13.42	13.30			
50	PI/2 BPSK	135	68	13.39	13.47	13.39	14.5	0.0	
50	PI/2 BPSK	135	135	13.30	13.35	13.28			
50	PI/2 BPSK	270	0	13.23	13.36	13.30			
50	QPSK	1	1	12.77	12.88	12.80	14.5	0.0	
50	QPSK	1	135	13.44	13.58	13.41			
50	QPSK	1	268	13.05	13.12	13.03			
50	QPSK	135	0	13.32	13.46	13.36	14.5	0.0	
50	QPSK	135	68	13.50	13.54	13.47			
50	QPSK	135	135	13.31	13.40	13.37			
50	QPSK	270	0	13.46	13.51	13.48	14.5	0.0	
50	16QAM	1	1	12.98	13.03	12.90			
50	64QAM	1	1	13.02	13.09	12.99			
50	256QAM	1	1	13.22	13.28	13.20	14.5	0.0	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	108	13.38	13.54	13.36	14.5	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	13.40	13.43	13.29	14.5	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	67	13.36	13.53	13.30	14.5	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	13.33	13.46	13.33	14.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	13.41	13.48	13.33	14.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	13.39	13.45	13.33	14.5	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	13.34	13.52	13.35	14.5	0.0	
Channel									
Frequency (MHz)									

n66 DSI2 Ant4 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	14.67	14.72	14.59			
40	PI/2 BPSK	1	108	15.10	15.24	15.18	16.5	0.0	
40	PI/2 BPSK	1	214	14.61	14.74	14.62			
40	PI/2 BPSK	108	0	15.02	15.17	15.10			
40	PI/2 BPSK	108	54	15.10	15.23	15.08	16.5	0.0	
40	PI/2 BPSK	108	108	15.12	15.19	15.09			
40	PI/2 BPSK	216	0	14.99	15.13	15.00			
40	QPSK	1	1	14.63	14.71	14.59	16.5	0.0	
40	QPSK	1	108	15.20	15.32	15.18			
40	QPSK	1	214	14.64	14.67	14.61			
40	QPSK	108	0	15.15	15.22	15.14	16.5	0.0	
40	QPSK	108	54	15.26	15.30	15.20			
40	QPSK	108	108	15.16	15.26	15.19			
40	QPSK	216	0	15.18	15.23	15.18	16.5	0.0	
40	16QAM	1	1	14.64	14.69	14.60			
40	64QAM	1	1	14.54	14.66	14.58			
40	256QAM	1	1	15.03	15.15	15.08	16.5	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	15.17	15.18	15.14	16.5	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	67	15.08	15.28	15.06	16.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	15.10	15.25	15.10	16.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	15.06	15.27	15.03	16.5	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	15.15	15.17	15.10	16.5	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	15.13	15.25	15.05	16.5	0.0	
Channel									
Frequency (MHz)									

Part27Q n78 DSI2 Ant5 SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.56		19.5	0.0
100	PI/2 BPSK	1	137		18.22			
100	PI/2 BPSK	1	271		17.52			
100	PI/2 BPSK	135	0		18.13			
100	PI/2 BPSK	135	69		18.21			
100	PI/2 BPSK	135	138		18.08			
100	PI/2 BPSK	270	0		18.13		19.5	0.0
100	QPSK	1	1		17.57		19.5	0.0
100	QPSK	1	137		18.29			
100	QPSK	1	271		17.51			
100	QPSK	135	0		18.14			
100	QPSK	135	69		18.25			
100	QPSK	135	138		18.08			
100	QPSK	270	0		18.12		19.5	0.0
100	16QAM	1	1		17.83		19.5	0.0
100	64QAM	1	1		17.60		19.5	0.0
100	256QAM	1	1		17.77		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	18.11	18.17	18.20	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	18.09	18.23	18.17	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.12	18.17	18.14	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.16	18.24	18.16	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.11	18.20	18.22	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.17	18.15	18.17	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	18.13	18.17	18.10	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.10	18.15	18.19	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.06	18.16	18.20	19.5	0.0

n78 DSI2 Ant5 NSA								
BW (MHz)	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)					633334	3500.01		
100	PI/2 BPSK	1	1		14.08		16.0	0.0
100	PI/2 BPSK	1	137		14.59			
100	PI/2 BPSK	1	271		14.02			
100	PI/2 BPSK	135	0		14.55			
100	PI/2 BPSK	135	69		14.61		16.0	0.0
100	PI/2 BPSK	135	138		14.43		16.0	0.0
100	PI/2 BPSK	270	0		14.49			
100	QPSK	1	1		14.12		16.0	0.0
100	QPSK	1	137		14.68			
100	QPSK	1	271		14.03			
100	QPSK	135	0		14.61			
100	QPSK	135	69		14.64		16.0	0.0
100	QPSK	135	138		14.45		16.0	0.0
100	QPSK	270	0		14.51			
100	16QAM	1	1		14.03		16.0	0.0
100	64QAM	1	1		14.01		16.0	0.0
100	256QAM	1	1		14.13		16.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	14.54	14.54	14.49	16.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	14.59	14.55	14.57	16.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	14.51	14.57	14.56	16.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	14.49	14.63	14.55	16.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	14.53	14.58	14.57	16.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	14.49	14.57	14.55	16.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	14.55	14.62	14.50	16.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	19	14.51	14.62	14.51	16.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	12	14.49	14.54	14.60	16.0	0.0

n78 DSI2 Ant7 SA								
BW [MHz]	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)					633334 3500.01			
100	PI/2 BPSK	1	1		18.06			
100	PI/2 BPSK	1	137		18.96		20.0	0.0
100	PI/2 BPSK	1	271		18.13			
100	PI/2 BPSK	135	0		18.69		20.0	0.0
100	PI/2 BPSK	135	69		18.89		20.0	0.0
100	PI/2 BPSK	135	138		18.87		20.0	0.0
100	PI/2 BPSK	270	0		18.82			
100	QPSK	1	1		18.02			
100	QPSK	1	137		18.99		20.0	0.0
100	QPSK	1	271		18.21			
100	QPSK	135	0		18.72		20.0	0.0
100	QPSK	135	69		18.95		20.0	0.0
100	QPSK	135	138		18.87		20.0	0.0
100	QPSK	270	0		18.83			
100	16QAM	1	1		18.11		20.0	0.0
100	64QAM	1	1		17.05		19.0	1.0
100	256QAM	1	1		15.61		17.0	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	18.81	18.91	18.83	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	18.90	18.93	18.84	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.88	18.90	18.87	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.87	18.88	18.87	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.89	18.84	18.91	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.88	18.93	18.89	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	18.85	18.88	18.89	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.86	18.85	18.84	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.89	18.94	18.83	20.0	0.0

Reduced Power Mode for DSI7

n2 DSI7 Ant0 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	14.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	12.08	12.16	12.01	14.0	0.0
20	PI/2 BPSK	1	53	12.38	12.49	12.34		
20	PI/2 BPSK	1	104	12.49	12.52	12.42		
20	PI/2 BPSK	50	0	12.46	12.54	12.40	14.0	0.0
20	PI/2 BPSK	50	28	12.50	12.61	12.46	14.0	0.0
20	PI/2 BPSK	50	56	12.51	12.57	12.43	14.0	0.0
20	PI/2 BPSK	100	0	12.53	12.60	12.57		
20	QPSK	1	1	12.16	12.27	12.13	14.0	0.0
20	QPSK	1	53	12.61	12.71	12.65		
20	QPSK	1	104	12.36	12.45	12.38		
20	QPSK	50	0	12.45	12.53	12.40	14.0	0.0
20	QPSK	50	28	12.55	12.65	12.56	14.0	0.0
20	QPSK	50	56	12.58	12.62	12.57	14.0	0.0
20	QPSK	100	0	12.44	12.57	12.44		
20	16QAM	1	1	12.11	12.26	12.19	14.0	0.0
20	64QAM	1	1	12.21	12.32	12.23	14.0	0.0
20	256QAM	1	1	12.24	12.38	12.32	14.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	40	12.50	12.63	12.60	14.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	26	12.55	12.67	12.62	14.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	13	12.47	12.61	12.62	14.0	0.0

n7 DSI7 Ant1 SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.18	17.23	17.14	19.0	0.0
50	PI/2 BPSK	1	135	17.81	17.84	17.72		
50	PI/2 BPSK	1	268	17.56	17.69	17.64		
50	PI/2 BPSK	135	0	17.70	17.76	17.63		
50	PI/2 BPSK	135	68	17.73	17.81	17.67	19.0	0.0
50	PI/2 BPSK	135	135	17.69	17.76	17.62		
50	PI/2 BPSK	270	0	17.67	17.80	17.75		
50	QPSK	1	1	17.23	17.29	17.16		
50	QPSK	1	135	17.85	17.82	17.81	19.0	0.0
50	QPSK	1	268	17.68	17.71	17.62		
50	QPSK	135	0	17.67	17.82	17.76		
50	QPSK	135	68	17.84	17.87	17.79		
50	QPSK	135	135	17.75	17.82	17.74	19.0	0.0
50	QPSK	270	0	17.81	17.85	17.79		
50	16QAM	1	1	17.20	17.32	17.29		
50	64QAM	1	1	17.31	17.39	17.24		
50	256QAM	1	1	17.35	17.46	17.38	19.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	19.0	0.0
40	QPSK	1	108	17.74	17.86	17.78		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.0	0.0
30	QPSK	1	80	17.80	17.81	17.72		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0
25	QPSK	1	67	17.72	17.83	17.76		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.0	0.0
20	QPSK	1	53	17.80	17.88	17.67		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	40	17.77	17.79	17.69		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	26	17.75	17.87	17.66		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.0	0.0
5	QPSK	1	13	17.70	17.80	17.74		

n7 DSI7 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	10.70	10.79	10.57	12.5	0.0
50	PI/2 BPSK	1	135	11.34	11.38	11.26		
50	PI/2 BPSK	1	268	10.88	10.97	10.94		
50	PI/2 BPSK	135	0	11.14	11.33	11.18		
50	PI/2 BPSK	135	68	11.26	11.42	11.29	12.5	0.0
50	PI/2 BPSK	135	135	11.08	11.26	11.18	12.5	0.0
50	PI/2 BPSK	270	0	11.13	11.23	11.24		
50	QPSK	1	1	10.76	10.84	10.82	12.5	0.0
50	QPSK	1	135	11.25	11.45	11.39		
50	QPSK	1	268	11.00	11.11	10.94		
50	QPSK	135	0	11.32	11.27	11.22		
50	QPSK	135	68	11.23	11.39	11.30	12.5	0.0
50	QPSK	135	135	11.28	11.34	11.28	12.5	0.0
50	QPSK	270	0	11.29	11.37	11.26		
50	16QAM	1	1	10.90	10.99	10.77	12.5	0.0
50	64QAM	1	1	11.05	11.09	11.00	12.5	0.0
50	256QAM	1	1	11.12	11.10	11.06	12.5	0.0
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	108	11.12	11.42	11.30	12.5	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	80	11.20	11.36	11.32	12.5	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	67	11.19	11.39	11.29	12.5	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	53	11.15	11.34	11.32	12.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	11.21	11.40	11.31	12.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	11.13	11.31	11.26	12.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	11.20	11.35	11.29	12.5	0.0

n66 DSI7 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	13.17	13.22	13.09	15.0	0.0
40	PI/2 BPSK	1	108	13.60	13.74	13.68		
40	PI/2 BPSK	1	214	13.11	13.24	13.12		
40	PI/2 BPSK	108	0	13.52	13.67	13.60	15.0	0.0
40	PI/2 BPSK	108	54	13.60	13.73	13.58	15.0	0.0
40	PI/2 BPSK	108	108	13.62	13.69	13.59	15.0	0.0
40	PI/2 BPSK	216	0	13.49	13.63	13.50		
40	QPSK	1	1	13.13	13.21	13.09	15.0	0.0
40	QPSK	1	108	13.70	13.82	13.68		
40	QPSK	1	214	13.14	13.17	13.11		
40	QPSK	108	0	13.65	13.72	13.64		
40	QPSK	108	54	13.76	13.80	13.70	15.0	0.0
40	QPSK	108	108	13.66	13.76	13.69	15.0	0.0
40	QPSK	216	0	13.68	13.73	13.68		
40	16QAM	1	1	13.14	13.19	13.10	15.0	0.0
40	64QAM	1	1	13.04	13.16	13.08	15.0	0.0
40	256QAM	1	1	13.53	13.65	13.58	15.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	15.0	0.0
30	QPSK	1	80	13.67	13.68	13.64		
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	15.0	0.0
25	QPSK	1	67	13.58	13.78	13.56		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	15.0	0.0
20	QPSK	1	53	13.60	13.75	13.60		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	15.0	0.0
15	QPSK	1	40	13.56	13.77	13.53		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	15.0	0.0
10	QPSK	1	26	13.65	13.67	13.60		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	15.0	0.0
5	QPSK	1	13	13.63	13.75	13.55		

n78 DSI7 Ant5 SA								
BW [MHz]	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)					633334	3500.01		
100	PI/2 BPSK	1	1		16.63		18.5	0.0
100	PI/2 BPSK	1	137		17.22			
100	PI/2 BPSK	1	271		16.59			
100	PI/2 BPSK	135	0		17.20			
100	PI/2 BPSK	135	69		17.18		18.5	0.0
100	PI/2 BPSK	135	138		17.08		18.5	0.0
100	PI/2 BPSK	270	0		17.18			
100	QPSK	1	1		16.55		18.5	0.0
100	QPSK	1	137		17.24			
100	QPSK	1	271		16.53			
100	QPSK	135	0		17.17			
100	QPSK	135	69		17.20		18.5	0.0
100	QPSK	135	138		17.04		18.5	0.0
100	QPSK	270	0		17.16			
100	16QAM	1	1				18.5	0.0
100	64QAM	1	1		16.85		18.5	0.0
100	256QAM	1	1		16.74		18.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	17.11	17.19	17.15	18.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	17.18	17.09	17.19	18.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	17.11	17.14	17.14	18.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	17.16	17.14	17.10	18.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	17.15	17.12	17.15	18.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	17.17	17.19	17.12	18.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	17.10	17.20	17.14	18.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	17.17	17.12	17.20	18.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	17.11	17.11	17.14	18.5	0.0

n78 DSI7 Ant5 NSA								
BW [MHz]	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)					633334	3500.01		
100	PI/2 BPSK	1	1		13.58		15.5	0.0
100	PI/2 BPSK	1	137		14.09			
100	PI/2 BPSK	1	271		13.52			
100	PI/2 BPSK	135	0		14.05		15.5	0.0
100	PI/2 BPSK	135	69		14.11		15.5	0.0
100	PI/2 BPSK	135	138		13.93		15.5	0.0
100	PI/2 BPSK	270	0		13.99			
100	QPSK	1	1		13.62		15.5	0.0
100	QPSK	1	137		14.18			
100	QPSK	1	271		13.53			
100	QPSK	135	0		14.11		15.5	0.0
100	QPSK	135	69		14.14		15.5	0.0
100	QPSK	135	138		13.95		15.5	0.0
100	QPSK	270	0		14.01			
100	16QAM	1	1		13.53		15.5	0.0
100	64QAM	1	1		13.51		15.5	0.0
100	256QAM	1	1		13.63		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	14.04	14.04	13.99	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	14.09	14.05	14.07	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	14.01	14.07	14.06	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	13.99	14.13	14.05	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	14.03	14.08	14.07	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	13.99	14.07	14.05	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	14.05	14.12	14.00	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	14.01	14.12	14.01	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	13.99	14.04	14.10	15.5	0.0

Reduced Power Mode for DSI3

n2 DSI3 Ant0 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	14.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	12.08	12.16	12.01	14.0	0.0
20	PI/2 BPSK	1	53	12.38	12.49	12.34		
20	PI/2 BPSK	1	104	12.49	12.52	12.42	14.0	0.0
20	PI/2 BPSK	50	0	12.46	12.54	12.40		
20	PI/2 BPSK	50	28	12.50	12.61	12.46	14.0	0.0
20	PI/2 BPSK	50	56	12.51	12.57	12.43		
20	PI/2 BPSK	100	0	12.53	12.60	12.57	14.0	0.0
20	QPSK	1	1	12.16	12.27	12.13		
20	QPSK	1	53	12.61	12.71	12.65	14.0	0.0
20	QPSK	1	104	12.36	12.45	12.38		
20	QPSK	50	0	12.45	12.53	12.40	14.0	0.0
20	QPSK	50	28	12.55	12.65	12.56		
20	QPSK	50	56	12.58	12.62	12.57	14.0	0.0
20	QPSK	100	0	12.44	12.57	12.44		
20	16QAM	1	1	12.11	12.26	12.19	14.0	0.0
20	64QAM	1	1	12.21	12.32	12.23		
20	256QAM	1	1	12.24	12.38	12.32	14.0	0.0
Channel				371500	376000	380500	14.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	40	12.50	12.63	12.60	14.0	0.0
Channel				371000	376000	381000	14.0	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	26	12.55	12.67	12.62	14.0	0.0
Channel				370500	376000	381500	14.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	13	12.47	12.61	12.62	14.0	0.0

n7 DSI3 Ant1 SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.18	17.23	17.14	19.0	0.0
50	PI/2 BPSK	1	135	17.81	17.84	17.72		
50	PI/2 BPSK	1	268	17.56	17.69	17.64		
50	PI/2 BPSK	135	0	17.70	17.76	17.63		
50	PI/2 BPSK	135	68	17.73	17.81	17.67	19.0	0.0
50	PI/2 BPSK	135	135	17.69	17.76	17.62		
50	PI/2 BPSK	270	0	17.67	17.80	17.75		
50	QPSK	1	1	17.23	17.29	17.16		
50	QPSK	1	135	17.85	17.92	17.81	19.0	0.0
50	QPSK	1	268	17.68	17.71	17.62		
50	QPSK	135	0	17.67	17.82	17.76		
50	QPSK	135	68	17.84	17.87	17.79		
50	QPSK	135	135	17.75	17.82	17.74	19.0	0.0
50	QPSK	270	0	17.81	17.85	17.79		
50	16QAM	1	1	17.20	17.32	17.29		
50	64QAM	1	1	17.31	17.39	17.24		
50	256QAM	1	1	17.35	17.46	17.38	19.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	19.0	0.0
40	QPSK	1	108	17.74	17.86	17.78		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.0	0.0
30	QPSK	1	80	17.80	17.81	17.72		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0
25	QPSK	1	67	17.72	17.83	17.76		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.0	0.0
20	QPSK	1	53	17.80	17.88	17.67		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	40	17.77	17.79	17.69		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	26	17.75	17.87	17.66		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.0	0.0
5	QPSK	1	13	17.70	17.80	17.74		

n7 DSI3 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	11.19	11.24	11.12	12.5	0.0
50	PI/2 BPSK	1	135	11.80	11.85	11.80		
50	PI/2 BPSK	1	268	11.31	11.43	11.39		
50	PI/2 BPSK	135	0	11.66	11.79	11.68		
50	PI/2 BPSK	135	68	11.79	11.88	11.78	12.5	0.0
50	PI/2 BPSK	135	135	11.58	11.70	11.66	12.5	0.0
50	PI/2 BPSK	270	0	11.66	11.76	11.67		
50	QPSK	1	1	11.22	11.32	11.28	12.5	0.0
50	QPSK	1	135	11.78	11.92	11.83		
50	QPSK	1	268	11.53	11.56	11.42		
50	QPSK	135	0	11.77	11.81	11.70		
50	QPSK	135	68	11.86	11.89	11.78	12.5	0.0
50	QPSK	135	135	11.80	11.85	11.77	12.5	0.0
50	QPSK	270	0	11.74	11.88	11.76		
50	16QAM	1	1	11.35	11.45	11.31	12.5	0.0
50	64QAM	1	1	11.50	11.53	11.47	12.5	0.0
50	256QAM	1	1	11.57	11.64	11.60	12.5	0.0
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	108	11.74	11.84	11.71	12.5	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	80	11.74	11.87	11.68	12.5	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	67	11.69	11.88	11.77	12.5	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	53	11.66	11.80	11.71	12.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	11.67	11.87	11.77	12.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	11.72	11.79	11.78	12.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	11.69	11.78	11.77	12.5	0.0

n66 DSI3 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.06	15.11	15.02	17.0	0.0
40	PI/2 BPSK	1	108	15.69	15.72	15.58		
40	PI/2 BPSK	1	214	15.12	15.16	15.06		
40	PI/2 BPSK	108	0	15.57	15.69	15.65		
40	PI/2 BPSK	108	54	15.67	15.79	15.74	17.0	0.0
40	PI/2 BPSK	108	108	15.50	15.64	15.51	17.0	0.0
40	PI/2 BPSK	216	0	15.53	15.68	15.54		
40	QPSK	1	1	15.07	15.17	15.10	17.0	0.0
40	QPSK	1	108	15.73	15.85	15.78		
40	QPSK	1	214	15.16	15.21	15.08		
40	QPSK	108	0	15.59	15.66	15.61		
40	QPSK	108	54	15.73	15.80	15.71	17.0	0.0
40	QPSK	108	108	15.57	15.67	15.57	17.0	0.0
40	QPSK	216	0	15.64	15.71	15.67		
40	16QAM	1	1	15.22	15.29	15.24	17.0	0.0
40	64QAM	1	1	15.12	15.23	15.09	17.0	0.0
40	256QAM	1	1	15.52	15.56	15.48	17.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	17.0	0.0
30	QPSK	1	80	15.68	15.78	15.67	17.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	17.0	0.0
25	QPSK	1	67	15.62	15.71	15.73	17.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	17.0	0.0
20	QPSK	1	53	15.61	15.80	15.63	17.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	17.0	0.0
15	QPSK	1	40	15.61	15.72	15.72	17.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	17.0	0.0
10	QPSK	1	26	15.64	15.77	15.66	17.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	17.0	0.0
5	QPSK	1	13	15.66	15.74	15.64	17.0	0.0

n78 DSI3 Ant5 SA								
BW [MHz]	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)					633334 3500.01			
100	PI/2 BPSK	1	1		16.63		18.5	0.0
100	PI/2 BPSK	1	137		17.22			
100	PI/2 BPSK	1	271		16.59			
100	PI/2 BPSK	135	0		17.20			
100	PI/2 BPSK	135	69		17.18		18.5	0.0
100	PI/2 BPSK	135	138		17.08		18.5	0.0
100	PI/2 BPSK	270	0		17.18			
100	QPSK	1	1		16.55		18.5	0.0
100	QPSK	1	137		17.24			
100	QPSK	1	271		16.53			
100	QPSK	135	0		17.17			
100	QPSK	135	69		17.20		18.5	0.0
100	QPSK	135	138		17.04		18.5	0.0
100	QPSK	270	0		17.16			
100	16QAM	1	1				18.5	0.0
100	64QAM	1	1		16.85		18.5	0.0
100	256QAM	1	1		16.74		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	17.11	17.19	17.15	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	17.18	17.09	17.19	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	17.11	17.14	17.14	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	17.16	17.14	17.10	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	17.15	17.12	17.15	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	17.17	17.19	17.12	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	17.10	17.20	17.14	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	17.17	17.12	17.20	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	17.11	17.11	17.14	18.5	0.0

n78 DSI3 Ant5 NSA								
BW [MHz]	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)					633334	3500.01		
100	PI/2 BPSK	1	1		13.58		15.5	0.0
100	PI/2 BPSK	1	137		14.09			
100	PI/2 BPSK	1	271		13.52			
100	PI/2 BPSK	135	0		14.05		15.5	0.0
100	PI/2 BPSK	135	69		14.11		15.5	0.0
100	PI/2 BPSK	135	138		13.93		15.5	0.0
100	PI/2 BPSK	270	0		13.99			
100	QPSK	1	1		13.62		15.5	0.0
100	QPSK	1	137		14.18			
100	QPSK	1	271		13.53			
100	QPSK	135	0		14.11		15.5	0.0
100	QPSK	135	69		14.14		15.5	0.0
100	QPSK	135	138		13.95		15.5	0.0
100	QPSK	270	0		14.01			
100	16QAM	1	1		13.53		15.5	0.0
100	64QAM	1	1		13.51		15.5	0.0
100	256QAM	1	1		13.63		15.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	14.04	14.04	13.99	15.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	14.09	14.05	14.07	15.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	14.01	14.07	14.06	15.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	13.99	14.13	14.05	15.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	14.03	14.08	14.07	15.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	13.99	14.07	14.05	15.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	14.05	14.12	14.00	15.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	14.01	14.12	14.01	15.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	13.99	14.04	14.10	15.5	0.0

Reduced Power Mode for DSI6

n2 DSI6 Ant0 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	17.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	15.04	15.19	15.07		
20	PI/2 BPSK	1	53	15.42	15.48	15.32	17.0	0.0
20	PI/2 BPSK	1	104	15.51	15.58	15.47		
20	PI/2 BPSK	50	0	15.42	15.58	15.35		
20	PI/2 BPSK	50	28	15.53	15.63	15.48	17.0	0.0
20	PI/2 BPSK	50	56	15.52	15.64	15.43		
20	PI/2 BPSK	100	0	15.56	15.66	15.60		
20	QPSK	1	1	15.23	15.32	15.18	17.0	0.0
20	QPSK	1	53	15.66	15.76	15.69		
20	QPSK	1	104	15.40	15.44	15.39		
20	QPSK	50	0	15.45	15.60	15.47	17.0	0.0
20	QPSK	50	28	15.58	15.70	15.60		
20	QPSK	50	56	15.57	15.60	15.58		
20	QPSK	100	0	15.45	15.57	15.51	17.0	0.0
20	16QAM	1	1	15.10	15.21	15.16		
20	64QAM	1	1	15.27	15.27	15.30		
20	256QAM	1	1	15.29	15.37	15.39	17.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	40	15.58	15.63	15.50	17.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	26	15.62	15.71	15.61	17.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	13	15.61	15.69	15.57	17.0	0.0

n7 DSI6 Ant1 SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.85	19.89	19.77	21.5	0.0
50	PI/2 BPSK	1	135	20.25	20.39	20.33		
50	PI/2 BPSK	1	268	20.19	20.27	20.18		
50	PI/2 BPSK	135	0	20.31	20.39	20.24		
50	PI/2 BPSK	135	68	20.40	20.48	20.34	21.5	0.0
50	PI/2 BPSK	135	135	20.05	20.09	20.01		
50	PI/2 BPSK	270	0	19.86	19.91	19.85	21.5	0.0
50	QPSK	1	1	19.92	19.98	19.93		
50	QPSK	1	135	20.37	20.49	20.30		
50	QPSK	1	268	20.22	20.26	20.13		
50	QPSK	135	0	20.27	20.35	20.27	21.5	0.0
50	QPSK	135	68	20.38	20.42	20.32	21.5	0.0
50	QPSK	135	135	20.24	20.34	20.29	21.5	0.0
50	QPSK	270	0	20.25	20.40	20.31		
50	16QAM	1	1	19.68	19.83	19.79	21.5	0.0
50	64QAM	1	1	19.92	19.99	19.94	21.5	0.0
50	256QAM	1	1	18.20	18.33	18.27	19.5	2.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	108	20.28	20.46	20.22	21.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	20.29	20.38	20.23	21.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	67	20.29	20.41	20.19	21.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	20.25	20.37	20.22	21.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	20.26	20.42	20.21	21.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	20.25	20.39	20.18	21.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	20.33	20.43	20.22	21.5	0.0

n7 DSI6 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.71	15.86	15.57	17.5	0.0
50	PI/2 BPSK	1	135	16.30	16.37	16.30		
50	PI/2 BPSK	1	268	15.92	15.97	15.97		
50	PI/2 BPSK	135	0	16.14	16.35	16.17		
50	PI/2 BPSK	135	68	16.30	16.41	16.31	17.5	0.0
50	PI/2 BPSK	135	135	16.08	16.26	16.13	17.5	0.0
50	PI/2 BPSK	270	0	16.13	16.26	16.22		
50	QPSK	1	1	15.80	15.82	15.85	17.5	0.0
50	QPSK	1	135	16.27	16.48	16.45		
50	QPSK	1	268	15.96	16.17	15.95		
50	QPSK	135	0	16.27	16.32	16.27		
50	QPSK	135	68	16.23	16.42	16.31	17.5	0.0
50	QPSK	135	135	16.30	16.34	16.23	17.5	0.0
50	QPSK	270	0	16.25	16.35	16.22		
50	16QAM	1	1	15.91	16.04	15.74	17.5	0.0
50	64QAM	1	1	16.07	16.13	15.98	17.5	0.0
50	256QAM	1	1	16.18	16.15	16.13	17.5	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	108	16.24	16.30	16.30	17.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	16.21	16.41	16.40	17.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	67	16.13	16.33	16.33	17.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	16.16	16.45	16.32	17.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	16.12	16.42	16.33	17.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	16.17	16.40	16.34	17.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	13	16.22	16.38	16.37	17.5	0.0

n66 DSI6 Ant4 NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.73	15.73	15.64	17.5	0.0
40	PI/2 BPSK	1	108	16.08	16.30	16.20		
40	PI/2 BPSK	1	214	15.56	15.71	15.64		
40	PI/2 BPSK	108	0	15.99	16.18	16.15		
40	PI/2 BPSK	108	54	16.17	16.22	16.05	17.5	0.0
40	PI/2 BPSK	108	108	16.19	16.15	16.14	17.5	0.0
40	PI/2 BPSK	216	0	16.05	16.16	16.05		
40	QPSK	1	1	15.63	15.66	15.62	17.5	0.0
40	QPSK	1	108	16.31	16.36	16.20		
40	QPSK	1	214	15.59	15.67	15.60		
40	QPSK	108	0	16.19	16.21	16.10		
40	QPSK	108	54	16.28	16.33	16.23	17.5	0.0
40	QPSK	108	108	16.12	16.20	16.16	17.5	0.0
40	QPSK	216	0	16.19	16.22	16.15		
40	16QAM	1	1	15.60	15.71	15.62	17.5	0.0
40	64QAM	1	1	15.69	15.72	15.54	17.5	0.0
40	256QAM	1	1	16.10	16.16	16.04	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	16.16	16.32	16.12	17.5	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	16.13	16.25	16.12	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	16.17	16.29	16.06	17.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	16.16	16.21	16.06	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	16.14	16.31	16.11	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	13	16.07	16.27	16.13	17.5	0.0

n78 DSI6 Ant5 SA								
BW [MHz]	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)					633334 3500.01			
100	PI/2 BPSK	1	1		20.65		23.0	0.0
100	PI/2 BPSK	1	137		21.47			
100	PI/2 BPSK	1	271		20.51			
100	PI/2 BPSK	135	0		21.39			
100	PI/2 BPSK	135	69		21.57		23.0	0.0
100	PI/2 BPSK	135	138		21.19		23.0	0.0
100	PI/2 BPSK	270	0		21.35			
100	QPSK	1	1		20.71		23.0	0.0
100	QPSK	1	137		21.61			
100	QPSK	1	271		20.46			
100	QPSK	135	0		21.44			
100	QPSK	135	69		21.52		23.0	0.0
100	QPSK	135	138		21.21		23.0	0.0
100	QPSK	270	0		21.37			
100	16QAM	1	1		20.46		23.0	0.0
100	64QAM	1	1		19.14		21.5	1.5
100	256QAM	1	1		17.86		19.5	3.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	21.54	21.46	21.57	23.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	21.56	21.52	21.54	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	21.47	21.56	21.52	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	21.50	21.51	21.57	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	21.55	21.54	21.54	23.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	21.51	21.58	21.49	23.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	21.55	21.55	21.55	23.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	21.55	21.57	21.49	23.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	21.55	21.50	21.50	23.0	0.0

n78 DSI6 Ant5 NSA								
BW (MHz)	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)					633334 3500.01			
100	PI/2 BPSK	1	1		17.05		19.0	0.0
100	PI/2 BPSK	1	137		17.60			
100	PI/2 BPSK	1	271		17.07			
100	PI/2 BPSK	135	0		17.55			
100	PI/2 BPSK	135	69		17.58		19.0	0.0
100	PI/2 BPSK	135	138		17.47		19.0	0.0
100	PI/2 BPSK	270	0		17.50			
100	QPSK	1	1		17.11		19.0	0.0
100	QPSK	1	137		17.72			
100	QPSK	1	271		17.07			
100	QPSK	135	0		17.65			
100	QPSK	135	69		17.67		19.0	0.0
100	QPSK	135	138		17.51		19.0	0.0
100	QPSK	270	0		17.48			
100	16QAM	1	1		17.01		19.0	0.0
100	64QAM	1	1		17.06		19.0	0.0
100	256QAM	1	1		17.04		19.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	17.63	17.60	17.58	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109	17.66	17.69	17.68	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	17.68	17.58	17.66	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67	17.69	17.68	17.61	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	17.66	17.61	17.63	19.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	17.61	17.63	17.60	19.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26	17.63	17.69	17.68	19.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	17.68	17.65	17.59	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12	17.61	17.59	17.60	19.0	0.0



BT&WIFI Power

2.4GHz WLAN				Ant 6 Full Power Head Standalone Body Worn Standalone Handheld Standalone Handheld Simultaneous		Head Ant 6 Simultaneous		Body Worn&Hotspot Ant 6 Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.80	20.50	15.13	16.00	14.07	15.00	100.00
		6	2437	18.75	20.50	15.21	16.00	14.16	15.00	
		11	2462	18.72	20.50	15.18	16.00	14.12	15.00	
	802.11g 6Mbps	1	2412	16.93	18.50	Not Required	16.00	Not Required	15.00	97.46
		6	2437	18.52	20.00		16.00		15.00	
		11	2462	16.07	17.50		16.00		15.00	
	802.11n-HT20 MCS0	1	2412	15.90	17.50	Not Required	16.00	Not Required	15.00	97.28
		6	2437	18.45	20.00		16.00		15.00	
		11	2462	15.68	17.50		16.00		15.00	

5.2GHz WLAN				Ant 6 Full Power Head Standalone Handheld Standalone		Body Worn Ant 6 Simultaneous		Head Ant 6 Simultaneous		Body Worn&Ant 6 Standalone		Handheld&Ant 6 Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.86	17.50		13.00		15.00		17.50		16.00	97.46
		40	5200	17.24	18.50		13.00		15.00		17.50		16.00	
		44	5220	17.29	18.50		13.00		15.00		17.50		16.00	
		48	5240	17.24	18.50		13.00		15.00		17.50		16.00	
	802.11n-HT20 MCS0	36	5180	15.37	17.00	Not Required	13.00	Not Required	15.00	Not Required	17.00	Not Required	16.00	97.28
		40	5200	16.92	18.50		13.00		15.00		17.50		16.00	
		44	5220	16.94	18.50		13.00		15.00		17.50		16.00	
		48	5240	17.01	18.50		13.00		15.00		17.50		16.00	
	802.11n-HT40 MCS0	38	5190	12.61	14.00	12.05	13.00	12.61	14.00	12.61	14.00	12.61	14.00	94.72
		46	5230	17.32	16.50		13.00		15.00		17.50		16.00	
	802.11ac-VHT20 MCS0	36	5180	14.80	16.50		13.00		15.00		16.50		16.00	97.31
		40	5200	14.89	16.50		13.00		15.00		16.50		16.00	
		44	5220	14.90	16.50		13.00		15.00		16.50		16.00	
		48	5240	14.92	16.50		13.00		15.00		16.50		16.00	
	802.11ac-VHT40 MCS0	38	5190	12.55	14.00		13.00		14.00		14.00		14.00	94.72
		46	5230	15.30	16.50		13.00		15.00		16.00		16.00	
	802.11ac-VHT80 MCS0	42	5210	10.64	12.00		12.00		12.00		12.00		12.00	90.00

5.3GHz WLAN				Ant 6 Full Power Head Standalone Handheld Standalone		Head Ant 6 Simultaneous		Body Worn Ant 6 Simultaneous		Body Worn&Ant 6 Standalone		Handheld&Ant 6 Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.50	19.00		15.00		13.00		17.50		16.00	97.46
		56	5280	17.55	19.00		15.00		13.00		17.50		16.00	
		60	5300	17.57	19.00		15.00		13.00		17.50		16.00	
		64	5320	16.18	17.50		15.00		13.00		17.50		16.00	
	802.11n-HT20 MCS0	52	5260	17.21	19.00	Not Required	15.00	Not Required	13.00	Not Required	17.50	Not Required	16.00	97.28
		56	5280	17.28	19.00		15.00		13.00		17.50		16.00	
		60	5300	17.32	19.00		15.00		13.00		17.50		16.00	
		64	5320	15.85	17.50		15.00		13.00		17.50		16.00	
	802.11n-HT40 MCS0	54	5270	17.46	19.00	13.51	15.00	11.54	13.00	16.03	17.50	14.57	16.00	94.72
		62	5310	13.10	14.50		14.50		13.00		14.50		13.10	
	802.11ac-VHT20 MCS0	52	5260	15.29	17.00		15.00		13.00		17.00		16.00	97.31
		56	5280	15.31	17.00		15.00		13.00		17.00		16.00	
		60	5300	15.28	17.00		15.00		13.00		17.00		16.00	
		64	5320	15.28	17.00		15.00		13.00		17.00		16.00	
	802.11ac-VHT40 MCS0	54	5270	15.42	17.00	Not Required	15.00	Not Required	13.00	Not Required	17.00	Not Required	16.00	94.72
		62	5310	12.98	14.50		14.50		13.00		14.50		14.50	
	802.11ac-VHT80 MCS0	58	5290	10.93	12.50		12.50		12.50		12.50		12.50	90.00

5.5GHz WLAN				Ant 6 Full Power Head Standalone Body Worn Standalone Handheld Standalone		Head Ant 6 Simultaneous		Body Worn Ant 6 Simultaneous		Handheld&Ant 6 Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.84	17.50		14.50		14.00		17.00	97.46
		116	5580	17.40	19.00		14.50		14.00		17.00	
		124	5620	17.50	19.00		14.50		14.00		17.00	
		132	5660	17.50	19.00		14.50		14.00		17.00	
		140	5700	15.48	17.00		14.50		14.00		17.00	
		144	5720	17.58	19.00		14.50		14.00		17.00	
	802.11n-HT20 MCS0	100	5500	14.15	15.50		14.50		14.00		15.50	97.28
		116	5580	17.41	19.00		14.50		14.00		17.00	
		124	5620	17.47	19.00		14.50		14.00		17.00	
		132	5660	17.41	19.00		14.50		14.00		17.00	
		140	5700	13.74	15.00		14.50		14.00		15.00	
		144	5720	17.24	19.00		14.50		14.00		17.00	
	802.11n-HT40 MCS0	102	5510	12.09	13.50	Not Required	13.50	Not Required	13.50	Not Required	13.50	94.72
		110	5550	17.42	19.00		14.50		14.00		17.00	
		126	5630	17.50	19.00		14.50		14.00		17.00	
		134	5670	14.43	16.00		14.50		14.00		16.00	
		142	5710	17.39	19.00		14.50		14.00		17.00	
		146	5730	15.49	17.00		14.50		14.00		17.00	
	802.11ac-VHT20 MCS0	100	5500	14.07	15.50		14.50		14.00		15.50	97.31
		116	5580	15.48	17.00		14.50		14.00		17.00	
		124	5620	15.49	17.00		14.50		14.00		17.00	
		132	5660	15.44	17.00		14.50		14.00		17.00	
		140	5700	13.68	15.00		14.50		14.00		15.00	
		144	5720	15.24	17.00		14.50		14.00		17.00	
	802.11ac-VHT40 MCS0	102	5510	12.03	13.50		13.50		13.50		13.50	94.72
		110	5550	15.43	17.00		14.50		14.00		17.00	
		126	5630	15.54	17.00		14.50		14.00		17.00	
		134	5670	14.37	16.00		14.50		14.00		16.00	
	802.11ac-VHT80 MCS0	106	5530	10.60	12.00	10.60	12.00	10.60	12.00	10.60	12.00	90.00
		122	5610	14.97	16.50		14.50		14.00		14.97	
		138	5690	15.58	17.00		13.05		12.41		15.58	



5.8GHz WLAN				Ant 6 Full Power Head Standalone Body Worn Standalone Handheld Standalone Handheld Simultaneous		Head Ant 6 Simultaneous		Body Worn&Hotspot Ant 6 Simultaneous		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.84	18.50	Not Required	14.50	Not Required	15.00	97.46
		157	5785	16.83	18.50		14.50		15.00	
		165	5825	16.66	18.50		14.50		15.00	
	802.11n-HT20 MCS0	149	5745	16.64	18.00		14.50		15.00	97.28
		157	5785	16.60	18.00		14.50		15.00	
		165	5825	16.60	18.00		14.50		15.00	
	802.11n-HT40 MCS0	151	5755	16.78	18.00		14.50		15.00	94.72
		159	5795	16.74	18.00		14.50		15.00	
		149	5745	14.63	16.50		14.50		15.00	
	802.11ac-VHT20 MCS0	157	5785	14.65	16.50		14.50		15.00	97.31
		165	5825	14.69	16.50		14.50		15.00	
		151	5755	14.75	16.50		14.50		15.00	
	802.11ac-VHT40 MCS0	159	5795	14.81	16.50		14.50		15.00	94.72
		155	5775	14.83	16.50	12.77	14.50	13.32	15.00	
	802.11ac-VHT80 MCS0									90.00

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.94	9.71	9.72
	CH 39	2441	11.84	9.59	9.78
	CH 78	2480	11.89	9.29	9.68
Tune-up Limit			13	10.5	10.5

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	1.64
	CH 19	2440	2.44
	CH 39	2480	1.61
Tune-up Limit			3

BLE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	1.64
	CH 19	2440	2.64
	CH 39	2480	1.44
Tune-up Limit			3.00