

DSI 2&4&6									
GSM850		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)		
TX Channel		128	189	251	Limit		128	189	251
Frequency (MHz)		824.2	824.4	844.8	Limit		824.2	824.4	844.8
GSM 1 Tx slot		32.03	32.25	32.42	33.50		23.03	23.25	23.42
GPRS 1 Tx slot		32.16	32.15	32.30	33.50		23.16	23.15	23.30
GPRS 2 Tx slots		30.99	30.69	30.52	32.50		24.99	24.69	24.52
GPRS 3 Tx slots		29.77	29.69	29.83	30.50		23.51	23.43	25.27
GPRS 4 Tx slots		27.52	27.02	27.43	28.50		24.52	24.02	24.43
EDGE 1 Tx slot		25.69	25.65	25.53	27.00		16.69	16.65	16.53
EDGE 2 Tx slots		24.77	24.61	24.80	25.50		18.77	18.61	18.60
EDGE 3 Tx slots		22.99	23.07	22.83	24.00		18.73	18.87	19.14
EDGE 4 Tx slots		21.64	21.72	21.28	22.50		18.64	18.72	18.28

DSI2&4&6									
GSM1900		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)		
TX Channel		512	861	810	Limit		512	861	810
Frequency (MHz)		1850.2	1880	1909.8	Limit		1850.2	1880	1909.8
GSM 1 Tx slot		28.90	28.77	28.52	30.50		19.90	19.77	19.52
GPRS 1 Tx slot		28.80	28.70	28.55	30.50		19.80	19.70	19.55
GPRS 2 Tx slots		28.61	28.44	28.36	29.50		22.61	22.44	22.36
GPRS 3 Tx slots		26.67	26.52	26.60	28.00		22.41	22.26	22.34
GPRS 4 Tx slots		24.72	24.61	24.70	26.00		21.72	21.61	21.70
EDGE 1 Tx slot		24.75	24.72	24.54	26.00		15.75	15.72	15.54
EDGE 2 Tx slots		23.58	23.48	23.51	24.50		17.58	17.48	17.51
EDGE 3 Tx slots		21.89	21.70	21.89	23.00		17.63	17.44	17.63
EDGE 4 Tx slots		20.53	20.74	20.66	21.50		17.53	17.74	17.66

DSI 2&4													
Band		WCDMA II			Tune-up Limit		WCDMA IV			Tune-up Limit		WCDMA V	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit		4132	4182
RX Channel		9682	9800	9938	Limit		1537	1638	1738	Limit		4567	4607
Frequency (MHz)		1852.4	1880	1907.6	Limit		1924.4	1932.6	1924.6	Limit		826.4	844.4
3GPP Rel 99		AMR 12.2Kbps	22.94	22.89	22.81	24.00	23.05	23.12	23.09	24.00	23.02	23.04	22.98
3GPP Rel 99		RM-C 12.2Kbps	23.23	22.93	22.83	24.00	23.10	23.14	23.10	24.00	23.04	23.06	23.00
3GPP Rel 6		HSDPA Subtest-1	22.16	21.92	21.99	23.00	21.92	22.03	21.93	23.00	21.96	21.81	21.77
3GPP Rel 6		HSDPA Subtest-2	22.21	21.52	21.95	23.00	21.97	22.13	21.97	23.00	21.93	21.58	21.68
3GPP Rel 6		HSDPA Subtest-3	21.68	21.41	21.43	22.50	21.53	21.63	21.47	22.50	21.42	21.32	20.88
3GPP Rel 6		HSDPA Subtest-4	21.74	21.50	21.35	22.50	21.48	21.57	21.51	22.50	21.41	21.00	21.26
3GPP Rel 6		DC-HSDPA Subtest-1	22.15	21.89	21.86	23.00	21.87	22.07	21.93	23.00	21.88	21.82	21.76
3GPP Rel 6		DC-HSDPA Subtest-2	22.25	21.67	21.94	23.00	21.93	22.03	21.93	23.00	21.90	21.51	21.77
3GPP Rel 6		DC-HSDPA Subtest-3	21.70	21.41	21.46	22.50	21.44	21.58	21.37	22.50	21.39	21.29	20.87
3GPP Rel 6		DC-HSDPA Subtest-4	21.66	21.34	21.15	22.50	21.39	21.57	21.42	22.50	21.43	20.98	21.16
3GPP Rel 6		HSUPA Subtest-1	22.26	21.95	22.00	23.00	21.97	22.04	21.92	23.00	21.89	21.87	21.79
3GPP Rel 6		HSUPA Subtest-2	20.26	19.92	19.99	21.00	19.91	20.08	19.97	21.00	19.88	19.69	19.73
3GPP Rel 6		HSUPA Subtest-3	21.24	20.93	21.04	22.00	20.97	21.01	20.97	22.00	20.85	20.76	20.68
3GPP Rel 6		HSUPA Subtest-4	20.27	20.03	19.90	21.00	20.00	20.12	19.95	21.00	19.87	19.75	19.68
3GPP Rel 6		HSUPA Subtest-5	22.21	21.92	22.00	23.00	21.96	22.02	22.50	23.00	21.97	21.65	21.70

DSI 2&4&6													
Band		CDMA BC0			Tune-up Limit		CDMA BC1			Tune-up Limit		CDMA BC10	
TX Channel		1018	984	777	Limit		25	600	1175	Limit		476	600
Frequency (MHz)		824.7	836.52	848.51	Limit		1861.25	1860	1908.75	Limit		817.9	820.5
RC1 S055		24.03	24.15	24.12	25.00		23.87	23.97	24.02	25.00		23.82	23.88
RC3 S055		24.06	24.16	24.14	25.00		23.99	24.00	23.97	25.00		23.79	23.87
RC3 S030 (F-SCH)		24.05	24.14	24.14	25.00		23.98	24.00	24.00	25.00		23.80	23.87
RC3 S020 (F-SCH)		24.05	24.12	24.14	25.00		24.00	24.01	23.99	25.00		23.80	23.86
RTAP 153.6Kbps		24.12	24.17	24.10	25.00		24.06	24.15	24.13	25.00		23.92	23.97
RETAP 4096Kbps		24.11	24.13	24.08	25.00		24.07	24.14	24.11	25.00		23.90	23.95

Band 2_Ant 1 DSI 284&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.95	22.76	22.67	20	23	0	
20	QPSK	1	49	22.82	22.61	22.62				
20	QPSK	1	99	22.70	22.58	22.62				
20	QPSK	50	0	22.07	21.79	21.75				
20	QPSK	50	24	22.06	21.78	21.78			23	1
20	QPSK	50	50	21.91	21.77	21.86				
20	QPSK	100	0	21.97	21.78	21.76				
20	16QAM	1	0	22.30	22.07	22.03				
20	16QAM	1	49	22.16	21.97	21.98			23	1
20	16QAM	1	99	22.06	21.92	21.96				
20	16QAM	50	0	21.08	20.80	20.77				
20	16QAM	50	24	21.05	20.81	20.79			22	2
20	16QAM	50	50	20.94	20.78	20.77				
20	16QAM	100	0	20.95	20.78	20.79				
20	64QAM	1	0	21.19	20.99	20.90				
20	64QAM	1	49	21.05	20.86	20.87			22	2
20	64QAM	1	99	20.91	20.84	20.88				
20	64QAM	50	0	20.11	19.80	19.78				
20	64QAM	50	24	20.09	19.82	19.82				
20	64QAM	50	50	19.97	19.80	19.87			21	3
20	64QAM	100	0	19.99	19.81	19.79				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.95	22.73	22.65			24	0
15	QPSK	1	37	22.79	22.56	22.62				
15	QPSK	1	74	22.63	22.56	22.59				
15	QPSK	36	0	22.07	21.75	21.75				
15	QPSK	36	20	21.98	21.76	21.73			23	1
15	QPSK	36	39	21.85	21.74	21.71				
15	QPSK	75	0	21.96	21.70	21.83				
15	16QAM	1	0	22.23	22.06	22.01			23	1
15	16QAM	1	37	22.09	21.95	21.92				
15	16QAM	1	74	22.05	21.86	21.94				
15	16QAM	36	0	21.03	20.72	20.73				
15	16QAM	36	20	20.99	20.73	20.76			22	2
15	16QAM	36	39	20.91	20.69	20.81				
15	16QAM	75	0	20.86	20.73	20.73				
15	64QAM	1	0	21.13	20.95	20.85			22	2
15	64QAM	1	37	21.02	20.77	20.90				
15	64QAM	1	74	20.85	20.83	20.84				
15	64QAM	36	0	20.11	19.71	19.74				
15	64QAM	36	20	20.04	19.75	19.74			21	3
15	64QAM	36	39	19.94	19.79	19.81				
15	64QAM	75	0	19.95	19.74	19.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.89	22.72	22.62			24	0
10	QPSK	1	25	22.77	22.56	22.51				
10	QPSK	1	49	22.61	22.48	22.57				
10	QPSK	25	0	22.03	21.69	21.71			23	1
10	QPSK	25	12	21.97	21.75	21.78				
10	QPSK	25	25	21.92	21.72	21.76				
10	QPSK	50	0	21.97	21.68	21.76				
10	16QAM	1	0	22.22	21.97	21.95			23	1
10	16QAM	1	25	22.06	21.90	21.93				
10	16QAM	1	49	21.97	21.91	21.94				
10	16QAM	25	0	21.01	20.79	20.68				
10	16QAM	25	12	21.00	20.76	20.77			22	2
10	16QAM	25	25	20.87	20.73	20.79				
10	16QAM	50	0	20.93	20.68	20.73				
10	64QAM	1	0	21.15	20.98	20.84			22	2
10	64QAM	1	25	21.05	20.83	20.81				
10	64QAM	1	49	20.86	20.81	20.82				
10	64QAM	25	0	20.08	19.78	19.75				
10	64QAM	25	12	20.01	19.81	19.79			21	3
10	64QAM	25	25	19.87	19.73	19.76				
10	64QAM	50	0	19.98	19.75	19.77				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.86	22.67	22.63			24	0
5	QPSK	1	12	22.72	22.59	22.61				
5	QPSK	1	24	22.56	22.46	22.50				
5	QPSK	12	0	22.07	21.73	21.65				
5	QPSK	12	7	21.97	21.76	21.74			23	1
5	QPSK	12	13	21.82	21.71	21.78				
5	QPSK	25	0	21.94	21.70	21.71				
5	16QAM	1	0	22.21	22.07	22.01			23	1
5	16QAM	1	12	22.08	21.87	21.92				
5	16QAM	1	24	22.01	21.88	21.91				
5	16QAM	12	0	20.99	20.72	20.72				
5	16QAM	12	7	20.99	20.80	20.71			22	2
5	16QAM	12	13	20.86	20.71	20.81				
5	16QAM	25	0	20.91	20.77	20.72				
5	64QAM	1	0	21.11	20.96	20.81			22	2
5	64QAM	1	12	20.98	20.80	20.86				
5	64QAM	1	24	20.84	20.83	20.83				
5	64QAM	12	0	20.05	19.79	19.75				
5	64QAM	12	7	20.02	19.74	19.81			21	3
5	64QAM	12	13	19.91	19.74	19.84				
5	64QAM	25	0	19.97	19.75	19.69				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.89	22.76	22.64			24	0
3	QPSK	1	8	22.81	22.58	22.55				
3	QPSK	1	14	22.67	22.57	22.61				
3	QPSK	8	0	22.06	21.75	21.74			23	1
3	QPSK	8	4	21.99	21.74	21.75				
3	QPSK	8	7	21.82	21.76	21.84				
3	QPSK	15	0	21.88	21.71	21.73				
3	16QAM	1	0	22.26	21.97	21.99			23	1
3	16QAM	1	8	22.09	21.93	21.93				
3	16QAM	1	14	22.01	21.87	21.87				
3	16QAM	8	0	21.05	20.77	20.69				
3	16QAM	8	4	21.04	20.76	20.74			22	2
3	16QAM	8	7	20.89	20.74	20.80				
3	16QAM	15	0	20.93	20.73	20.70				
3	64QAM	1	0	21.14	20.95	20.80				
3	64QAM	1	8	20.95	20.84	20.84			22	2
3	64QAM	1	14	20.86	20.79	20.83				
3	64QAM	8	0	20.05	19.79	19.74				
3	64QAM	8	4	20.01	19.80	19.75			21	3
3	64QAM	8	7	19.95	19.80	19.82				
3	64QAM	15	0	19.97	19.71	19.72				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.95	22.72	22.57			24	0
1.4	QPSK	1	3	22.79	22.54	22.57				
1.4	QPSK	1	5	22.60	22.49	22.55				
1.4	QPSK	3	0	22.75	22.83	22.79				
1.4	QPSK	3	1	22.85	22.85	22.89				
1.4	QPSK	3	3	22.85	22.88	22.81				
1.4	QPSK	6	0	21.87	21.78	21.74			23	1
1.4	16QAM	1	0	22.30	22.05	22.03				
1.4	16QAM	1	3	22.12	21.81	21.95			23	1
1.4	16QAM	1	5	22.05	21.89	21.96				
1.4	16QAM	3	0	22.20	22.22	22.26				
1.4	16QAM	3	1	22.20	22.21	22.18				
1.4	16QAM	3	3	22.19	22.17	22.20				
1.4	16QAM	6	0	20.87	20.76	20.70			22	2
1.4	64QAM	1	0	20.96	20.80	20.80				
1.4	64QAM	1	3	20.95	20.77	20.82				
1.4	64QAM	1	5	20.86	20.79	20.81			22	2
1.4	64QAM	3	0	21.09	21.09	21.05				
1.4	64QAM	3	1	21.08	21.09	21.08				
1.4	64QAM	3	3	21.08	21.05	21.10				
1.4	64QAM	6	0	19.92	19.74	19.76			21	3

Band 2_Ant2 DSI 284&6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.83	20.60	20.61				
20	QPSK	1	49	20.81	20.59	20.60		22		0
20	QPSK	1	99	20.67	20.54	20.58				
20	QPSK	50	0	19.94	19.71	19.69				
20	QPSK	50	24	19.91	19.70	19.71		21		1
20	QPSK	50	0	19.76	19.70	19.78				
20	QPSK	100	0	19.81	19.71	19.68				
20	16QAM	1	0	20.37	20.07	20.03				
20	16QAM	1	49	20.17	20.00	19.91		21		1
20	16QAM	1	99	20.03	19.94	19.92				
20	16QAM	50	0	18.95	18.72	18.71				
20	16QAM	50	24	18.93	18.75	18.73		20		2
20	16QAM	50	0	18.82	18.71	18.71				
20	16QAM	100	0	18.86	18.73	18.71				
20	64QAM	1	0	19.18	18.98	18.81				
20	64QAM	1	49	19.04	18.87	18.76		20		2
20	64QAM	1	99	18.85	18.83	18.77				
20	64QAM	50	0	17.97	17.73	17.73				
20	64QAM	50	24	17.96	17.75	17.75				
20	64QAM	50	0	17.83	17.74	17.81		19		3
20	64QAM	100	0	17.86	17.75	17.72				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.83	20.60	20.61				
15	QPSK	1	37	20.78	20.57	20.56		22		0
15	QPSK	1	74	20.62	20.50	20.51				
15	QPSK	36	0	19.88	19.70	19.59				
15	QPSK	36	20	19.83	19.67	19.62		21		1
15	QPSK	36	39	19.70	19.62	19.70				
15	QPSK	75	0	19.73	19.69	19.64				
15	16QAM	1	0	20.33	20.01	20.01		21		1
15	16QAM	1	37	20.20	19.93	19.91				
15	16QAM	1	74	20.01	19.91	19.88				
15	16QAM	36	0	18.94	18.63	18.61				
15	16QAM	36	20	18.86	18.69	18.70		20		2
15	16QAM	36	39	18.74	18.69	18.78				
15	16QAM	75	0	18.85	18.64	18.71				
15	64QAM	1	0	19.18	18.98	18.81				
15	64QAM	1	37	18.95	18.77	18.76		20		2
15	64QAM	1	74	18.78	18.81	18.68				
15	64QAM	36	0	17.97	17.63	17.68				
15	64QAM	36	20	17.96	17.74	17.74				
15	64QAM	36	39	17.78	17.65	17.73		19		3
15	64QAM	75	0	17.86	17.75	17.72				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.85	20.61	20.68				
10	QPSK	1	25	20.77	20.56	20.56		22		0
10	QPSK	1	49	20.65	20.53	20.54				
10	QPSK	25	0	19.85	19.65	19.62				
10	QPSK	25	12	19.69	19.60	19.66		21		1
10	QPSK	25	25	19.74	19.63	19.63				
10	16QAM	1	0	20.29	19.98	20.01				
10	16QAM	1	25	20.08	20.00	19.84		21		1
10	16QAM	1	49	19.93	19.89	19.90				
10	16QAM	25	0	18.86	18.71	18.67				
10	16QAM	25	12	18.86	18.69	18.70		20		2
10	16QAM	25	25	18.76	18.63	18.72				
10	16QAM	50	0	18.81	18.70	18.61				
10	64QAM	1	0	19.18	18.98	18.76				
10	64QAM	1	25	18.96	18.80	18.78		20		2
10	64QAM	1	49	18.81	18.80	18.69				
10	64QAM	25	0	17.97	17.67	17.67				
10	64QAM	25	12	17.91	17.69	17.70		19		3
10	64QAM	25	25	17.77	17.67	17.79				
10	64QAM	50	0	17.77	17.69	17.67				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.84	20.65	20.64				
5	QPSK	1	12	20.80	20.62	20.51		22		0
5	QPSK	1	24	20.66	20.52	20.52				
5	QPSK	12	0	19.87	19.71	19.65				
5	QPSK	12	7	19.83	19.69	19.67		21		1
5	QPSK	12	13	19.76	19.68	19.76				
5	QPSK	25	0	19.76	19.66	19.68				
5	16QAM	1	0	20.29	20.01	20.02				
5	16QAM	1	12	20.12	19.97	19.92		21		1
5	16QAM	1	24	20.01	19.93	19.92				
5	16QAM	12	0	18.93	18.69	18.66				
5	16QAM	12	7	18.93	18.73	18.66		20		2
5	16QAM	12	13	18.78	18.63	18.78				
5	16QAM	25	0	18.85	18.67	18.65				
5	64QAM	1	0	19.17	18.93	18.77				
5	64QAM	1	12	18.97	18.79	18.67		20		2
5	64QAM	1	24	18.79	18.83	18.73				
5	64QAM	12	0	17.90	17.70	17.70				
5	64QAM	12	7	17.88	17.70	17.66		19		3
5	64QAM	12	13	17.76	17.67	17.67				
5	64QAM	25	0	17.78	17.70	17.62				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.87	20.65	20.65				
3	QPSK	1	8	20.73	20.55	20.59		22		0
3	QPSK	1	14	20.63	20.52	20.50				
3	QPSK	8	0	19.89	19.62	19.67				
3	QPSK	8	4	19.81	19.69	19.61		21		1
3	QPSK	15	0	19.81	19.63	19.62				
3	16QAM	1	0	20.36	20.01	20.00				
3	16QAM	1	8	20.15	19.90	19.87		21		1
3	16QAM	1	14	20.01	19.86	19.83				
3	16QAM	8	0	18.90	18.69	18.67				
3	16QAM	8	4	18.87	18.68	18.68		20		2
3	16QAM	8	7	18.74	18.70	18.74				
3	16QAM	15	0	18.81	18.72	18.61				
3	64QAM	1	0	19.14	18.88	18.77				
3	64QAM	1	8	19.02	18.82	18.71		20		2
3	64QAM	1	14	18.87	18.73	18.70				
3	64QAM	8	0	17.87	17.72	17.84				
3	64QAM	8	4	17.96	17.68	17.70		19		3
3	64QAM	8	7	17.83	17.66	17.74				
3	64QAM	15	0	18.73	17.65	17.71				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.87	20.65	20.64				
1.4	QPSK	1	3	20.79	20.54	20.55		22		0
1.4	QPSK	1	5	20.60	20.51	20.54				
1.4	QPSK	3	0	19.84	19.68	19.67				
1.4	QPSK	3	1	19.87	19.66	19.70				
1.4	QPSK	3	3	19.68	19.62	19.70				
1.4	QPSK	6	0	19.76	19.69	19.63		21		1
1.4	16QAM	1	0	20.35	20.02	19.93				
1.4	16QAM	1	3	20.19	19.99	19.81				
1.4	16QAM	1	5	20.02	19.86	19.85		21		1
1.4	16QAM	3	0	19.81	18.69	18.83				
1.4	16QAM	3	1	18.86	18.65	18.69				
1.4	16QAM	3	3	18.73	18.61	18.72		20		2
1.4	64QAM	1	0	19.09	18.98	18.71				
1.4	64QAM	1	3	19.03	18.83	18.70				
1.4	64QAM	1	5	18.85	18.82	18.77				
1.4	64QAM	3	0	17.97	17.67	17.72				
1.4	64QAM	3	1	17.97	17.71	17.68		20		2
1.4	64QAM	3	3	17.73	17.72	17.72				
1.4	64QAM	6	0	17.79	17.72	17.71		19		3

Band 4_Ant 2 DSI 28486														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.92	20.95	20.98	22	0						
20	QPSK	1	49	20.71	20.75	20.70								
20	QPSK	1	99	20.69	20.68	20.62								
20	QPSK	50	0	19.94	19.97	19.91								
20	QPSK	50	24	19.92	19.88	19.91								
20	QPSK	50	50	19.85	19.86	19.80	21	1						
20	QPSK	100	0	19.91	19.92	19.86								
20	16QAM	1	0	20.28	20.30	20.26								
20	16QAM	1	49	20.09	20.11	20.04								
20	16QAM	1	99	20.04	20.02	19.95								
20	16QAM	50	0	18.95	19.00	18.93	20	2						
20	16QAM	50	24	18.95	18.90	18.90								
20	16QAM	50	50	18.86	18.89	17.93								
20	16QAM	100	0	18.91	18.89	18.89								
20	64QAM	1	0	19.10	19.13	19.07								
20	64QAM	1	49	18.93	18.97	18.90	20	2						
20	64QAM	1	99	18.95	18.94	18.90								
20	64QAM	50	0	17.96	18.03	17.94								
20	64QAM	50	24	17.99	17.94	17.94								
20	64QAM	50	50	17.89	17.91	17.84								
20	64QAM	100	0	17.97	17.90	17.93	19	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.90	20.87	20.78					22	0		
15	QPSK	1	37	20.65	20.66	20.69								
15	QPSK	1	74	20.67	20.60	20.63								
15	QPSK	36	0	19.85	19.89	19.84								
15	QPSK	36	20	19.85	19.79	19.87								
15	QPSK	36	39	19.79	19.84	19.78	21	1						
15	QPSK	75	0	19.90	19.85	19.82								
15	16QAM	1	0	20.26	20.28	20.23								
15	16QAM	1	37	20.08	20.06	20.02								
15	16QAM	1	74	19.96	20.00	19.93								
15	16QAM	36	0	18.94	18.92	18.89	20	2						
15	16QAM	36	20	18.90	18.82	18.85								
15	16QAM	36	39	18.78	18.79	18.76								
15	16QAM	75	0	18.83	18.89	18.84								
15	64QAM	1	0	19.07	19.13	19.09								
15	64QAM	1	37	18.90	18.95	18.92	20	2						
15	64QAM	1	74	18.89	18.84	18.86								
15	64QAM	36	0	17.94	17.97	17.93								
15	64QAM	36	20	17.90	17.94	17.90								
15	64QAM	36	39	17.79	17.87	17.82								
15	64QAM	75	0	17.92	17.82	17.86	19	3						
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.89	20.88	20.87	22	0						
10	QPSK	1	25	20.71	20.72	20.60								
10	QPSK	1	49	20.66	20.64	20.52								
10	QPSK	25	0	19.85	19.93	19.81								
10	QPSK	25	12	19.84	19.85	19.81								
10	QPSK	25	25	19.83	19.86	19.79	21	1						
10	QPSK	50	0	19.85	19.88	19.81								
10	16QAM	1	0	20.18	20.23	20.16								
10	16QAM	1	25	20.08	20.01	19.96								
10	16QAM	1	49	19.96	19.97	19.90								
10	16QAM	25	0	18.91	18.99	18.83	20	2						
10	16QAM	25	12	18.95	18.93	18.90								
10	16QAM	25	25	18.83	18.83	18.77								
10	16QAM	50	0	18.90	18.81	18.80								
10	64QAM	1	0	19.10	19.10	18.97								
10	64QAM	1	25	18.83	18.91	18.83	20	2						
10	64QAM	1	49	18.86	18.93	18.81								
10	64QAM	25	0	17.95	17.93	17.84								
10	64QAM	25	12	17.96	17.88	17.92								
10	64QAM	25	25	17.87	17.85	17.75								
10	64QAM	50	0	17.90	17.82	17.93	19	3						
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.90	20.88	20.85	22	0						
5	QPSK	1	12	20.62	20.66	20.67								
5	QPSK	1	24	20.60	20.60	20.56								
5	QPSK	12	0	19.87	19.92	19.83								
5	QPSK	12	7	19.84	19.87	19.84								
5	QPSK	12	13	19.82	19.76	19.77	21	1						
5	QPSK	25	0	19.82	19.90	19.81								
5	16QAM	1	0	20.18	20.20	20.17								
5	16QAM	1	12	20.05	20.07	19.99								
5	16QAM	1	24	20.04	19.94	19.87								
5	16QAM	12	0	18.91	18.95	18.84	20	2						
5	16QAM	12	7	18.91	18.86	18.80								
5	16QAM	12	13	18.79	18.83	18.79								
5	16QAM	25	0	18.83	18.87	18.83								
5	64QAM	1	0	19.00	19.11	19.01								
5	64QAM	1	12	18.90	18.94	18.86	20	2						
5	64QAM	1	24	18.93	18.93	18.83								
5	64QAM	12	0	17.89	18.02	17.91								
5	64QAM	12	7	17.88	17.91	17.84								
5	64QAM	12	13	17.86	17.81	17.74								
5	64QAM	25	0	17.89	17.83	17.90	19	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.88	20.91	20.80	22	0						
3	QPSK	1	8	20.68	20.75	20.60								
3	QPSK	1	14	20.66	20.59	20.53								
3	QPSK	8	0	19.94	19.96	19.90								
3	QPSK	8	4	19.92	19.81	19.91								
3	QPSK	8	7	19.79	19.77	19.76	21	1						
3	QPSK	15	0	19.84	19.89	19.85								
3	16QAM	1	0	20.27	20.26	20.26								
3	16QAM	1	8	20.03	20.04	19.98								
3	16QAM	1	14	19.97	19.95	19.88								
3	16QAM	8	0	18.95	18.95	18.83	20	2						
3	16QAM	8	4	18.88	18.89	18.86								
3	16QAM	8	7	18.79	18.89	18.70								
3	16QAM	15	0	18.91	18.80	18.80								
3	64QAM	1	0	19.03	19.05	19.05								
3	64QAM	1	8	18.85	18.97	18.84	20	2						
3	64QAM	1	14	18.90	18.89	18.82								
3	64QAM	8	0	17.93	18.02	17.91								
3	64QAM	8	4	17.94	17.91	17.94								
3	64QAM	8	7	17.83	17.83	17.82								
3	64QAM	15	0	17.95	17.86	17.90	19	3						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.86	20.91	20.83	22	0						
1.4	QPSK	1	3	20.67	20.75	20.67								
1.4	QPSK	1	5	20.63	20.67	20.54								
1.4	QPSK	3	0	20.85	20.88	20.74	21	1						
1.4	QPSK	3	1	20.57	20.69	20.64								
1.4	QPSK	3	2	20.52	20.63	20.57								
1.4	QPSK	6	0	19.90	19.89	19.79	21	1						
1.4	16QAM	1	0	20.27	20.23	20.17								
1.4	16QAM	1	3	20.05	20.05	20.04								
1.4	16QAM	1	5	20.22	20.23	20.14								
1.4	16QAM	3	0	19.99	19.98	19.95								
1.4	16QAM	3	1	19.90	19.92	19.85	20	2						
1.4	16QAM	3	3	18.94	18.99	17.83								
1.4	64QAM	1	0	18.88	18.80	18.85								
1.4	64QAM	1	3	19.05	19.12	18.99								
1.4	64QAM	1	3	18.85	18.97	18.87								
1.4	64QAM	1	5	18.92	18.91	18.80	19	3						
1.4	64QAM	3	0	18.97	19.09	18.92								
1.4	64QAM	3	1	17.76	18.89	17.87								
1.4	64QAM	3	3	18.89	18.82	18.72								
1.4	64QAM	6	0	17.95	17.90	17.93								

Band 7_Ant 1 DSI 2&4														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.51	23.22	22.66	24	0						
20	QPSK	1	49	22.58	23.13	22.66								
20	QPSK	1	99	22.63	23.16	22.42								
20	QPSK	50	0	21.61	22.28	21.81								
20	QPSK	50	24	21.74	22.20	21.83								
20	QPSK	50	50	21.73	22.21	21.73	23	1						
20	QPSK	100	0	21.73	22.20	21.85								
20	16QAM	1	0	21.88	22.39	22.01								
20	16QAM	1	49	21.95	22.45	22.02								
20	16QAM	1	99	22.01	22.48	21.90								
20	16QAM	50	0	20.62	21.16	20.81	22	2						
20	16QAM	50	24	20.74	21.22	20.85								
20	16QAM	50	50	20.79	21.22	20.77								
20	16QAM	100	0	20.74	21.18	20.83								
20	64QAM	1	0	20.72	21.25	20.90								
20	64QAM	1	49	20.85	21.36	20.88	22	2						
20	64QAM	1	99	20.92	21.04	20.15								
20	64QAM	50	0	19.66	20.20	19.85								
20	64QAM	50	24	19.67	20.24	19.87								
20	64QAM	50	50	19.81	20.26	19.79								
20	64QAM	100	0	19.75	20.20	19.86	21	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	23.19	22.63	24	0						
15	QPSK	1	37	22.53	23.06	22.66								
15	QPSK	1	74	22.58	23.11	22.33								
15	QPSK	36	0	21.58	22.04	21.77								
15	QPSK	36	20	21.72	22.17	21.73								
15	QPSK	36	39	21.68	22.14	21.63	23	1						
15	QPSK	75	0	21.69	22.10	21.81								
15	16QAM	1	0	21.82	22.32	21.99								
15	16QAM	1	37	21.92	22.39	21.92								
15	16QAM	1	74	21.99	22.38	21.99								
15	16QAM	36	0	20.59	21.16	20.80	22	2						
15	16QAM	36	20	20.66	21.15	20.81								
15	16QAM	36	39	20.72	21.15	20.67								
15	16QAM	75	0	20.67	21.18	20.76								
15	64QAM	1	0	20.70	21.23	20.85	22	2						
15	64QAM	1	37	20.77	21.35	20.85								
15	64QAM	1	74	20.85	20.97	20.07								
15	64QAM	36	0	19.60	20.13	19.76								
15	64QAM	36	20	19.73	20.17	19.82								
15	64QAM	36	39	19.79	20.20	19.70	21	3						
15	64QAM	75	0	19.68	20.10	19.82								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.47	23.15	22.60	24	0						
10	QPSK	1	25	22.56	23.07	22.57								
10	QPSK	1	49	22.53	23.06	22.38								
10	QPSK	25	0	21.53	22.10	21.77								
10	QPSK	25	12	21.64	22.15	21.82								
10	QPSK	25	25	21.67	22.19	21.67	23	1						
10	QPSK	50	0	21.64	22.12	21.80								
10	16QAM	1	0	21.87	22.30	21.91								
10	16QAM	1	25	21.87	22.44	21.92								
10	16QAM	1	49	21.93	22.41	21.85								
10	16QAM	25	0	20.55	21.12	20.78	22	2						
10	16QAM	25	12	20.74	21.13	20.82								
10	16QAM	25	25	20.70	21.19	20.68								
10	16QAM	50	0	20.65	21.11	20.74								
10	64QAM	1	0	20.62	21.17	20.88								
10	64QAM	1	25	20.81	21.34	20.79	22	2						
10	64QAM	1	49	20.91	21.01	20.08								
10	64QAM	25	0	19.60	20.10	19.83								
10	64QAM	25	12	19.70	20.16	19.87								
10	64QAM	25	25	19.71	20.22	19.71								
10	64QAM	50	0	19.74	20.18	19.86	21	3						
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.51	23.19	22.61	24	0						
5	QPSK	1	12	22.50	23.08	22.62								
5	QPSK	1	24	22.55	23.14	22.36								
5	QPSK	12	0	21.61	22.09	21.75								
5	QPSK	12	7	21.72	22.12	21.82								
5	QPSK	12	13	21.69	22.16	21.63	23	1						
5	QPSK	25	0	21.72	22.10	21.79								
5	16QAM	1	0	21.79	22.32	22.00								
5	16QAM	1	12	21.88	22.41	22.01								
5	16QAM	1	24	21.92	22.48	21.88								
5	16QAM	12	0	20.53	21.09	20.81	22	2						
5	16QAM	12	7	20.66	21.16	20.85								
5	16QAM	12	13	20.70	21.19	20.74								
5	16QAM	25	0	20.65	21.14	20.79								
5	64QAM	1	0	20.68	21.22	20.87								
5	64QAM	1	12	20.83	21.32	20.88	22	2						
5	64QAM	1	24	20.85	20.95	20.09								
5	64QAM	12	0	19.62	20.16	19.85								
5	64QAM	12	7	19.73	20.14	19.87								
5	64QAM	12	13	19.80	20.18	19.78								
5	64QAM	25	0	19.75	20.13	19.81	21	3						

Band 7_Ant 2 DSI 2&4&6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.24	21.17	20.13	22	0				
20	QPSK	1	49	20.31	21.06	20.14						
20	QPSK	1	99	20.38	21.09	20.17						
20	QPSK	50	0	19.35	20.21	19.29						
20	QPSK	50	24	19.48	20.14	19.30						
20	QPSK	50	50	19.50	20.15	19.22	21	1				
20	QPSK	100	0	19.46	20.13	19.31						
20	16QAM	1	0	19.59	20.30	19.45						
20	16QAM	1	49	19.66	20.37	19.53						
20	16QAM	1	99	19.74	20.40	19.48						
20	16QAM	50	0	18.38	19.09	18.29	20	2				
20	16QAM	50	24	18.50	19.16	18.32						
20	16QAM	50	50	18.51	19.17	18.24						
20	16QAM	100	0	18.47	19.13	18.32						
20	64QAM	1	0	18.45	19.12	18.43						
20	64QAM	1	49	18.59	19.27	18.38	20	2				
20	64QAM	1	99	18.63	19.14	17.78						
20	64QAM	50	0	17.39	18.13	17.31						
20	64QAM	50	24	17.52	18.19	17.35						
20	64QAM	50	50	17.54	18.17	17.30	19	3				
20	64QAM	100	0	17.49	18.15	17.33						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.23	21.00	21.375	22	0				
15	QPSK	1	37	20.28	20.97	20.13						
15	QPSK	1	74	20.36	20.99	20.16						
15	QPSK	36	0	19.31	19.99	19.17						
15	QPSK	36	20	19.45	20.06	19.28						
15	QPSK	36	39	19.40	20.06	19.15	21	1				
15	QPSK	75	0	19.45	20.11	19.24						
15	16QAM	1	0	19.50	20.29	19.44						
15	16QAM	1	37	19.56	20.36	19.49						
15	16QAM	1	74	19.60	20.31	19.35						
15	16QAM	36	0	18.38	19.03	18.23	20	2				
15	16QAM	36	20	18.43	19.15	18.31						
15	16QAM	36	39	18.47	19.13	18.23						
15	16QAM	75	0	18.43	19.12	18.28						
15	64QAM	1	0	18.39	19.04	18.38						
15	64QAM	1	37	18.54	19.27	18.34	20	2				
15	64QAM	1	74	18.58	19.12	17.78						
15	64QAM	36	0	17.38	18.09	17.28						
15	64QAM	36	20	17.44	18.10	17.33						
15	64QAM	36	39	17.47	18.14	17.26						
15	64QAM	75	0	17.42	18.10	17.32	19	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.25	20.55	20.65			22	0		
10	QPSK	1	25	20.24	21.00	20.04						
10	QPSK	1	49	20.28	21.03	20.17						
10	QPSK	25	0	19.32	20.01	19.23						
10	QPSK	25	12	19.45	20.08	19.25						
10	QPSK	25	25	19.48	20.07	19.20	21	1				
10	QPSK	50	0	19.36	20.08	19.23						
10	16QAM	1	0	19.58	20.22	19.45						
10	16QAM	1	25	19.65	20.31	19.43						
10	16QAM	1	49	19.64	20.30	19.40						
10	16QAM	25	0	18.34	19.02	18.26	20	2				
10	16QAM	25	12	18.43	19.15	18.28						
10	16QAM	25	25	18.48	19.14	18.21						
10	16QAM	50	0	18.43	19.10	18.32						
10	64QAM	1	0	18.38	19.02	18.41						
10	64QAM	1	25	18.54	19.22	18.31	20	2				
10	64QAM	1	49	18.63	19.13	17.71						
10	64QAM	25	0	17.36	18.11	17.22						
10	64QAM	25	12	17.49	18.17	17.32						
10	64QAM	25	25	17.46	18.15	17.21						
10	64QAM	50	0	17.45	18.13	17.27	19	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.18	21.16	20.09			22	0		
5	QPSK	1	12	20.26	21.00	20.05						
5	QPSK	1	24	20.28	21.04	20.14						
5	QPSK	12	0	19.29	20.08	19.24						
5	QPSK	12	7	19.45	20.07	19.20						
5	QPSK	12	13	19.40	20.09	19.15	21	1				
5	QPSK	25	0	19.42	20.11	19.23						
5	16QAM	1	0	19.52	20.27	19.42						
5	16QAM	1	12	19.56	20.36	19.43						
5	16QAM	1	24	19.72	20.33	19.46						
5	16QAM	12	0	18.28	19.03	18.22	20	2				
5	16QAM	12	7	18.44	19.16	18.23						
5	16QAM	12	13	18.41	19.12	18.20						
5	16QAM	25	0	18.47	19.03	18.31						
5	64QAM	1	0	18.39	19.11	18.34						
5	64QAM	1	12	18.53	19.22	18.38	20	2				
5	64QAM	1	24	18.59	19.13	17.70						
5	64QAM	12	0	17.38	18.04	17.38						
5	64QAM	12	7	17.48	18.17	17.34						
5	64QAM	12	13	17.50	18.16	17.28						
5	64QAM	25	0	17.43	18.12	17.24	19	3				

Band 12_Ant 2 DSI 2&4&6&3&5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
10	QPSK	1	0	21.81	22.08	21.83	23	0				
10	QPSK	1	25	21.83	21.89	21.89						
10	QPSK	1	49	21.93	21.92	21.85						
10	QPSK	25	0	20.98	21.16	20.98						
10	QPSK	25	12	21.04	21.01	21.00	22	1				
10	QPSK	25	25	21.03	21.06	21.05						
10	QPSK	50	0	21.04	21.01	21.01						
10	16QAM	1	0	21.17	21.20	21.21						
10	16QAM	1	25	21.22	21.26	21.22	22	1				
10	16QAM	1	49	21.30	19.67	21.23						
10	16QAM	25	0	19.96	20.01	20.01						
10	16QAM	25	12	20.07	20.00	20.02						
10	16QAM	25	25	20.01	20.05	19.98	21	2				
10	16QAM	50	0	20.08	20.00	19.99						
10	64QAM	1	0	19.98	20.04	20.02						
10	64QAM	1	25	20.13	20.18	20.16						
10	64QAM	1	49	20.24	20.24	20.18	21	2				
10	64QAM	25	0	18.91	19.02	19.03						
10	64QAM	25	12	19.11	19.07	19.05						
10	64QAM	25	25	19.08	19.10	19.09						
10	64QAM	50	0	19.08	19.07	19.04	20	3				
Channel				23005	23095	23165						
Frequency (MHz)				701.5	707.5	713.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.74	21.96	21.78	23	0				
5	QPSK	1	12	21.81	21.87	21.89						
5	QPSK	1	24	21.84	21.88	21.75						
5	QPSK	12	0	20.95	20.90	20.88						
5	QPSK	12	7	21.02	21.01	20.94	22	1				
5	QPSK	12	13	20.96	21.04	20.99						
5	QPSK	25	0	20.99	20.92	20.93						
5	16QAM	1	0	21.15	21.18	21.14						
5	16QAM	1	12	21.15	21.20	21.15	22	1				
5	16QAM	1	24	21.22	19.07	21.22						
5	16QAM	12	0	19.96	19.93	19.98						
5	16QAM	12	7	20.04	19.93	19.95						
5	16QAM	12	13	20.00	19.95	19.97	21	2				
5	16QAM	25	0	20.03	19.98	19.98						
5	64QAM	1	0	19.93	20.04	19.92						
5	64QAM	1	12	20.08	20.08	20.12						
5	64QAM	1	24	20.14	20.16	20.17	21	2				
5	64QAM	12	0	18.81	18.94	18.96						
5	64QAM	12	7	19.03	19.00	19.03						
5	64QAM	12	13	19.00	19.09	18.99						
5	64QAM	25	0	18.98	19.05	19.00	20	3				
Channel				23025	23095	23165						
Frequency (MHz)				700.5	707.5	714.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.74	21.94	21.80	23	0				
3	QPSK	1	8	21.81	21.83	21.84						
3	QPSK	1	14	21.92	21.87	21.84						
3	QPSK	8	0	20.95	20.91	20.89						
3	QPSK	8	4	20.94	20.97	20.96	22	1				
3	QPSK	8	7	21.03	20.99	20.96						
3	QPSK	15	0	20.98	20.95	20.99						
3	16QAM	1	0	21.15	21.20	21.20						
3	16QAM	1	8	21.14	21.22	21.18	22	1				
3	16QAM	1	14	21.27	19.64	21.20						
3	16QAM	8	0	19.95	19.94	19.91						
3	16QAM	8	4	19.99	19.90	20.02						
3	16QAM	8	7	20.00	20.02	19.92	21	2				
3	16QAM	15	0	20.06	19.98	19.89						
3	64QAM	1	0	19.92	19.99	19.95						
3	64QAM	1	8	20.08	20.10	20.13						
3	64QAM	1	14	20.23	20.22	20.09	21	2				
3	64QAM	8	0	18.84	18.94	19.03						
3	64QAM	8	4	19.06	19.04	19.00						
3	64QAM	8	7	19.05	19.02	19.06						
3	64QAM	15	0	19.00	19.04	18.99	20	3				
Channel				23017	23095	23173						
Frequency (MHz)				699.7	707.5	715.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.77	21.87	21.77	23	0				
1.4	QPSK	1	3	21.78	21.82	21.79						
1.4	QPSK	1	5	21.93	21.90	21.75						
1.4	QPSK	3	0	21.77	21.87	21.72						
1.4	QPSK	3	1	21.75	21.79	21.74	22	1				
1.4	QPSK	3	3	21.85	21.81	21.67						
1.4	QPSK	6	0	21.04	21.01	20.98						
1.4	16QAM	1	0	21.17	21.16	21.14						
1.4	16QAM	1	3	21.12	21.26	21.14	22	1				
1.4	16QAM	1	5	21.30	19.57	21.22						
1.4	16QAM	3	0	20.95	21.00	20.88						
1.4	16QAM	3	1	21.07	21.13	21.08						
1.4	16QAM	3	3	21.06	21.16	21.09	21	2				
1.4	16QAM	6	0	20.08	19.95	19.95						
1.4	64QAM	1	0	19.98	20.00	20.00						
1.4	64QAM	1	3	20.13	20.08	20.16						
1.4	64QAM	1	5	20.14	20.24	20.10	21	2				
1.4	64QAM	3	0	20.00	19.92	19.85						
1.4	64QAM	3	1	19.96	19.94	19.90						
1.4	64QAM	3	3	20.13	20.01	20.07						
1.4	64QAM	6	0	19.03	19.00	18.98	20	3				

Band 13_Ant 1 DSI 2&4&6&3&5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2320						
Frequency (MHz)				745						
10	QPSK	1	0		22.43		24	0		
10	QPSK	1	25		22.41					
10	QPSK	1	49		22.40					
10	QPSK	25	0		21.52		23	1		
10	QPSK	25	12		21.46					
10	QPSK	25	25		21.46					
10	QPSK	50	0		21.66		23	1		
10	16QAM	1	0		21.93					
10	16QAM	1	25		21.85					
10	16QAM	1	49		21.80		22	2		
10	16QAM	25	0		20.61					
10	16QAM	25	12		20.69					
10	16QAM	25	25		20.61		22	2		
10	16QAM	50	0		20.62					
10	64QAM	1	0		20.79					
10	64QAM	1	25		20.78		22	2		
10	64QAM	1	49		20.69					
10	64QAM	25	0		19.63					
10	64QAM	25	12		19.71		21	3		
10	64QAM	25	25		19.64					
10	64QAM	50	0		19.61					
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				774.5	775.2	774.5				
5	QPSK	1	0		22.46		24	0		
5	QPSK	1	12		22.40					
5	QPSK	1	24		22.43					
5	QPSK	12	0		21.59	21.55	21.60	23	1	
5	QPSK	12	7		21.64	21.68	21.66			
5	QPSK	12	13		21.54	21.61	21.62			
5	QPSK	25	0		21.64	21.64	21.57	23	1	
5	16QAM	1	0		21.83	21.92	21.86			
5	16QAM	1	12		21.76	21.75	21.84			
5	16QAM	1	24		21.75	21.77	21.78	22	2	
5	16QAM	12	0		20.55	20.54	20.52			
5	16QAM	12	7		20.60	20.67	20.60			
5	16QAM	12	13		20.53	20.61	20.61	21	3	
5	16QAM	25	0		20.52	20.61	20.52			
5	64QAM	1	0		20.77	20.74	20.79			
5	64QAM	1	12		20.77	20.70	20.70	22	2	
5	64QAM	1	24		20.61	20.65	20.59			
5	64QAM	12	0		19.55	19.37	19.37			
5	64QAM	12	7		19.61	19.64	19.63	21	3	
5	64QAM	12	13		19.62	19.57	19.54			
5	64QAM	25	0		19.57	19.60	19.51			



Band 14_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				793	23330				
Frequency (MHz)									
10	QPSK	1	0	22.44			24	0	
10	QPSK	1	25	22.38					
10	QPSK	1	49	22.33					
10	QPSK	25	0	21.42			23	1	
10	QPSK	25	12	21.38					
10	QPSK	25	25	21.40					
10	QPSK	50	0	21.42			22	2	
10	16QAM	1	0	21.80					
10	16QAM	1	25	21.77					
10	16QAM	1	49	21.73			21	3	
10	16QAM	25	0	20.41					
10	16QAM	25	12	20.44					
10	16QAM	25	25	20.47			22	2	
10	16QAM	50	0	20.44					
10	64QAM	1	0	20.67					
10	64QAM	1	25	20.71			22	2	
10	64QAM	1	49	20.61					
10	64QAM	25	0	19.46					
10	64QAM	25	12	19.48			21	3	
10	64QAM	25	25	19.51					
10	64QAM	50	0	19.48					
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5		0		22.40	22.39	22.42	24	0	
5	QPSK	1	12	22.33	22.38	22.28			
5	QPSK	1	24	22.27	22.27	22.25			
5	QPSK	12	0	21.35	21.38	21.35	23	1	
5	QPSK	12	7	21.38	21.36	21.37			
5	QPSK	12	13	21.40	21.44	21.40			
5	QPSK	25	0	21.37	21.40	21.35	23	1	
5	16QAM	1	0	21.75	21.80	21.73			
5	16QAM	1	12	21.74	21.77	21.75			
5	16QAM	1	24	21.67	21.68	21.64	22	2	
5	16QAM	12	0	20.32	20.35	20.35			
5	16QAM	12	7	20.44	20.42	20.38			
5	16QAM	12	13	20.44	20.37	20.39	22	2	
5	16QAM	25	0	20.44	20.38	20.36			
5	64QAM	1	0	20.57	20.63	20.58			
5	64QAM	1	12	20.66	20.64	20.60	22	2	
5	64QAM	1	24	20.57	20.61	20.60			
5	64QAM	12	0	19.42	19.42	19.43			
5	64QAM	12	7	19.40	19.38	19.46	21	3	
5	64QAM	12	13	19.42	19.46	19.44			
5	64QAM	25	0	19.40	19.48	19.47			

Band 14_Ant 2 DSI 2&4&6&5									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				793	23330				
Frequency (MHz)									
10	QPSK	1	0	21.25			23	0	
10	QPSK	1	25	21.18					
10	QPSK	1	49	21.14					
10	QPSK	25	0	20.25			22	1	
10	QPSK	25	12	20.23					
10	QPSK	25	25	20.20					
10	QPSK	50	0	20.23			21	2	
10	16QAM	1	0	20.62					
10	16QAM	1	25	20.59					
10	16QAM	1	49	20.52			21	2	
10	16QAM	25	0	19.25					
10	16QAM	25	12	19.23					
10	16QAM	25	25	19.28			20	3	
10	16QAM	50	0	19.25					
10	64QAM	1	0	19.49					
10	64QAM	1	25	19.52			21	2	
10	64QAM	1	49	19.43					
10	64QAM	25	0	18.28					
10	64QAM	25	12	18.30			20	3	
10	64QAM	25	25	18.32					
10	64QAM	50	0	18.27					
Channel				23305	23330	23355	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				790.5	793	795.5			
5		0		21.24	21.17	21.15	23	0	
5	QPSK	1	12	21.11	21.14	21.18			
5	QPSK	1	24	21.07	21.09	21.09			
5	QPSK	12	0	20.22	20.24	20.23	22	1	
5	QPSK	12	7	20.18	20.20	20.22			
5	QPSK	12	13	20.28	20.29	20.25			
5	QPSK	25	0	20.15	20.19	20.16	22	1	
5	16QAM	1	0	20.56	20.58	20.55			
5	16QAM	1	12	20.59	20.55	20.50			
5	16QAM	1	24	20.42	20.51	20.44	21	2	
5	16QAM	12	0	19.25	19.24	19.15			
5	16QAM	12	7	19.23	19.21	19.18			
5	16QAM	12	13	19.27	19.18	19.27	21	2	
5	16QAM	25	0	19.17	19.18	19.18			
5	64QAM	1	0	19.44	19.40	19.41			
5	64QAM	1	12	19.48	19.50	19.46	21	2	
5	64QAM	1	24	19.40	19.43	19.40			
5	64QAM	12	0	18.20	18.18	18.25			
5	64QAM	12	7	18.29	18.30	18.30	20	3	
5	64QAM	12	13	18.27	18.28	18.24			
5	64QAM	25	0	18.18	18.18	18.27			

Band 17_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23780	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	22.77	22.82	22.57	24	0	
10	QPSK	1	25	22.62	22.63	22.66			
10	QPSK	1	49	22.72	22.72	22.69			
10	QPSK	25	0	21.67	21.69	21.69	23	1	
10	QPSK	25	12	21.85	21.75	21.76			
10	QPSK	25	25	21.88	21.87	21.87			
10	QPSK	50	0	21.81	21.74	21.76	23	1	
10	16QAM	1	0	21.92	21.97	21.96			
10	16QAM	1	25	22.00	22.04	22.05			
10	16QAM	1	49	22.11	22.12	22.07	22	2	
10	16QAM	25	0	20.69	20.69	20.71			
10	16QAM	25	12	20.83	20.76	20.79			
10	16QAM	25	25	20.87	20.81	20.82	22	2	
10	16QAM	50	0	20.83	20.73	20.75			
10	64QAM	1	0	20.82	20.86	20.80			
10	64QAM	1	25	20.96	20.99	20.92	22	2	
10	64QAM	1	49	21.03	20.99	20.94			
10	64QAM	25	0	19.72	19.74	19.73			
10	64QAM	25	12	19.88	19.83	19.81	21	3	
10	64QAM	25	25	19.92	19.90	19.90			
10	64QAM	50	0	19.87	19.77	19.80			
Channel				23755	23790	23825	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5 <th>710</th> <th>713.5</th> <th></th> <th colspan="2"></th>	710	713.5			
5		0		22.75	22.72	22.53	24	0	
5	QPSK	1	12	22.62	22.59	22.56			
5	QPSK	1	24	22.64	22.68	22.65			
5	QPSK	12	0	21.67	21.69	21.63	23	1	
5	QPSK	12	7	21.76	21.65	21.67			
5	QPSK	12	13	21.79	21.84	21.85			
5	QPSK	25	0	21.80	21.67	21.71	23	1	
5	16QAM	1	0	21.84	21.91	21.87			
5	16QAM	1	12	21.92	21.96	22.03			
5	16QAM	1	24	22.09	22.07	21.97	22	2	
5	16QAM	12	0	20.59	20.59	20.69			
5	16QAM	12	7	20.74	20.68	20.72			
5	16QAM	12	13	20.80	20.81	20.72	22	2	
5	16QAM	25	0	20.74	20.63	20.70			
5	64QAM	1	0	20.80	20.87	20.76			
5	64QAM	1	12	20.94	20.98	20.90	22	2	
5	64QAM	1	24	20.93	20.94	20.94			
5	64QAM	12	0	19.86	19.73	19.72			
5	64QAM	12	7	19.81	19.79	19.74	21	3	
5	64QAM	12	13	19.86	19.85	19.85			
5	64QAM	25	0	19.81	19.74	19.73			

Band 17_Ant 2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.78	21.95	21.93			
10	QPSK	1	25	21.87	21.89	21.85	23	0	
10	QPSK	1	49	21.91	21.78	21.89			
10	QPSK	25	0	20.92	20.92	20.93			
10	QPSK	25	12	21.05	21.00	20.97			
10	QPSK	25	25	21.08	21.08	21.07	22	1	
10	QPSK	50	0	21.03	20.96	20.96			
10	16QAM	1	0	21.15	21.16	21.19			
10	16QAM	1	25	21.21	21.27	21.24	22	1	
10	16QAM	1	49	21.35	21.36	21.27			
10	16QAM	25	0	19.92	19.93	19.91			
10	16QAM	25	12	20.06	19.99	19.97			
10	16QAM	25	25	20.06	20.08	20.01			
10	16QAM	50	0	20.06	19.97	19.95	21	2	
10	64QAM	1	0	21.84	20.04	19.99			
10	64QAM	1	25	20.21	20.16	20.10	21	2	
10	64QAM	1	49	20.25	20.22	20.14			
10	64QAM	25	0	18.96	18.95	18.95			
10	64QAM	25	12	19.12	19.04	19.03			
10	64QAM	25	25	19.11	19.09	19.09	20	3	
10	64QAM	50	0	19.09	18.99	19.01			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.78	21.90	21.74			
5	QPSK	1	12	21.84	21.89	21.82	23	0	
5	QPSK	1	25	21.85	21.78	21.84			
5	QPSK	12	0	20.89	20.90	20.88			
5	QPSK	12	7	20.98	20.92	20.92	22	1	
5	QPSK	12	13	21.04	21.02	21.04			
5	QPSK	25	0	20.93	20.88	20.94			
5	16QAM	1	0	21.11	21.07	21.13			
5	16QAM	1	12	21.18	21.22	21.22	22	1	
5	16QAM	1	24	21.25	21.25	21.27			
5	16QAM	12	0	19.91	19.90	19.85			
5	16QAM	12	7	20.05	19.91	19.95			
5	16QAM	12	13	20.00	20.01	19.99	21	2	
5	16QAM	25	0	19.96	19.88	19.86			
5	64QAM	1	0	21.79	19.94	19.96			
5	64QAM	1	12	20.19	20.11	20.10	21	2	
5	64QAM	1	24	20.24	20.19	20.09			
5	64QAM	12	0	18.96	18.90	18.93			
5	64QAM	12	7	19.11	18.96	18.96	20	3	
5	64QAM	12	13	19.05	19.02	19.05			
5	64QAM	25	0	19.08	18.91	18.99			

Band 25_Ant 1 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High 1500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.66	22.74	22.68			
20	QPSK	1	49	22.51	22.62	22.64	24	0	
20	QPSK	1	99	22.37	22.56	22.29			
20	QPSK	50	0	21.77	21.85	21.73			
20	QPSK	50	24	21.65	21.83	21.75	23	1	
20	QPSK	50	50	21.56	21.78	21.79			
20	QPSK	100	0	21.43	21.91	21.74			
20	16QAM	1	0	22.00	22.09	21.97			
20	16QAM	1	49	21.89	21.99	21.95	23	1	
20	16QAM	1	99	21.75	21.96	21.66			
20	16QAM	50	0	20.80	20.87	20.75			
20	16QAM	50	24	20.66	20.85	20.77	22	2	
20	16QAM	50	50	20.58	20.91	20.82			
20	16QAM	100	0	20.64	20.81	20.75			
20	64QAM	1	0	20.90	20.99	20.96			
20	64QAM	1	49	20.77	20.85	20.33	22	2	
20	64QAM	1	99	20.54	20.84	20.29			
20	64QAM	50	0	19.80	19.89	19.31			
20	64QAM	50	24	19.70	19.88	19.43			
20	64QAM	50	50	19.59	19.81	19.20	21	3	
20	64QAM	100	0	19.59	19.84	18.97			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.62	22.71	22.58			
15	QPSK	1	37	22.43	22.59	22.55	24	0	
15	QPSK	1	74	22.37	22.55	22.34			
15	QPSK	36	20	21.75	21.80	21.71			
15	QPSK	36	39	21.46	21.76	21.69	23	1	
15	QPSK	75	0	21.57	21.74	21.69			
15	16QAM	1	0	21.99	22.00	21.96			
15	16QAM	1	37	21.87	21.90	21.91	23	1	
15	16QAM	1	74	21.71	21.96	21.56			
15	16QAM	36	0	20.72	20.80	20.69			
15	16QAM	36	20	20.56	20.80	20.72	22	2	
15	16QAM	36	39	20.53	20.72	20.73			
15	16QAM	75	0	20.60	20.80	20.69			
15	64QAM	1	0	20.80	20.94	20.55			
15	64QAM	1	37	20.75	20.91	20.36	22	2	
15	64QAM	1	74	20.48	20.80	20.75			
15	64QAM	36	0	19.77	19.85	19.21			
15	64QAM	36	20	19.65	19.85	19.34	21	3	
15	64QAM	36	39	19.57	19.76	19.14			
15	64QAM	75	0	19.49	19.84	19.18			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.80	22.86	22.83			
10	QPSK	1	25	22.57	22.58	22.66	24	0	
10	QPSK	1	49	22.50	22.58	22.30			
10	QPSK	25	0	21.68	21.74	21.68			
10	QPSK	25	12	21.62	21.77	21.71	23	1	
10	QPSK	25	25	21.62	21.96	21.87			
10	QPSK	50	0	21.64	21.77	21.70			
10	16QAM	1	0	22.01	22.06	21.98			
10	16QAM	1	25	21.93	22.00	22.02	23	1	
10	16QAM	1	49	21.90	22.00	21.78			
10	16QAM	25	0	20.70	20.76	20.68			
10	16QAM	25	12	20.67	20.79	20.72	22	2	
10	16QAM	25	25	20.61	20.64	20.75			
10	16QAM	50	0	20.64	20.76	20.69			
10	64QAM	1	0	20.77	20.96	20.39			
10	64QAM	1	25	20.89	20.92	20.42	22	2	
10	64QAM	1	49	20.76	20.89	20.34			
10	64QAM	25	0	19.75	19.79	19.47			
10	64QAM	25	12	19.70	19.83	19.45	21	3	
10	64QAM	25	25	19.66	19.73	19.10			
10	64QAM	50	0	19.69	19.81	19.03			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.80	22.86	22.83			
5	QPSK	1	12	22.47	22.49	22.56	24	0	
5	QPSK	1	24	22.49	22.56	22.21			
5	QPSK	12	0	21.61	21.65	21.62			
5	QPSK	12	7	21.56	21.74	21.68	23	1	
5	QPSK	12	13	21.57	21.57	21.59			
5	QPSK	25	0	21.56	21.74	21.60			
5	16QAM	1	0	21.97	21.98	21.90			
5	16QAM	1	12	21.93	21.94	21.97	23	1	
5	16QAM	1	24	21.90	21.91	21.78			
5	16QAM	12	0	20.65	20.75	20.68			
5	16QAM	12	7	20.63	20.70	20.63	22	2	
5	16QAM	12	13	20.54	20.57	20.66			
5	16QAM	25	0	20.57	20.66	20.59			
5	64QAM	1	0	20.69	20.90	20.36	22	2	
5	64QAM	1	12	20.88	20.88	20.33			
5	64QAM	1	24	20.67	20.80	20.35			
5	64QAM	12	0	19.70	19.77	19.47			
5	64QAM	12	7	19.67	19.79	19.40	21	3	
5	64QAM	12	13	19.60	19.68	19.06			
5	64QAM	25	0	19.59	19.80	18.97			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.50	22.64	22.55			
3	QPSK	1	8	22.54	22.56	22.62	24	0	
3	QPSK	1	14	22.40	22.50	22.28			
3	QPSK	8	0	21.59	21.71	21.58			
3	QPSK	8	4	21.62	21.73	21.64	23	1	
3	QPSK	8	7	21.59	21.58	21.60			
3	QPSK	15	0	21.57	21.73	21.68			
3	16QAM	1	0	21.96	21.98	21.97			
3	16QAM	1	8	21.83	21.90	21.95	23	1	
3	16QAM	1	14	21.87	21.96	21.73			
3	16QAM	8	0	20.62	20.76	20.58			
3	16QAM	8	4	20.59	20.76	20.63	22	2	
3	16QAM	8	7	20.61	20.55	20.73			
3	16QAM	15	0	20.60	20.69	20.67			
3	64QAM	1	0	20.67	20.94	20.33			
3	64QAM	1	8	20.83	20.87	20.40	22	2	
3	64QAM	1	14	20.76	20.86	20.37			
3	64QAM	8	0	19.65	19.73	19.45			
3	64QAM	8	4	19.64	19.73	19.36	21	3	
3	64QAM	8	7	19.64	19.72	19.03			
3	64QAM	15	0	19.62	19.78	18.99			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.57	22.63	22.61			
1.4	QPSK	1	3	22.57	22.49	22.60	24	0	
1.4	QPSK	1	5	22.48	22.51	22.24			
1.4	QPSK	3	0	22.49	22.57	22.59			
1.4	QPSK	3	1	22.51	22.42	22.60			
1.4	QPSK	3	3	22.40	22.50	22.23	23	1	
1.4	QPSK	6	0	21.62	21.73	21.64			
1.4	16QAM	1	0	21.97	22.04	21.98			
1.4	16QAM	3	1	21.91	21.97	22.01			
1.4	16QAM	3	5	21.84	21.93	21.76	23	1	
1.4	16QAM	3	1	21.85	21.94	22.00			
1.4	16QAM	3	3	21.80	21.92	21.75			
1.4	16QAM	6	0	20.58	20.73	20.66	22	2	
1.4	64QAM	1	0	20.76	20.93	20.33			
1.4	64QAM	1	3	20.79	20.89	20.40			
1.4	64QAM	1	5	20.54	20.84	20.27	22	2	
1.4	64QAM	3	0	20.72	20.87	20.27			
1.4	64QAM	3	1	20.74	20.82	20.31			
1.4	64QAM	3	3	20.70	20.89	20.31			
1.4	64QAM	6	0	19.66	19.81	19.38	21	3	

Band 26_Ant 1 DSI 2&4&6&3&5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.52	22.65	23.11	24	0				
15	QPSK	1	37	22.45	22.44	22.26						
15	QPSK	1	74	22.27	22.48	22.14						
15	QPSK	36	0	21.62	21.76	21.62						
15	QPSK	36	20	21.69	21.63	21.72	23	1				
15	QPSK	36	39	21.74	21.61	21.72						
15	QPSK	75	0	21.78	21.71	21.72						
15	16QAM	1	0	21.26	21.35	21.19						
15	16QAM	1	37	21.23	21.28	21.11	23	1				
15	16QAM	1	74	21.22	21.12	21.04						
15	16QAM	36	0	20.35	20.32	20.27						
15	16QAM	36	20	20.40	20.24	20.26						
15	16QAM	36	39	20.35	20.39	20.29	22	2				
15	16QAM	75	0	20.52	20.25	20.19						
15	64QAM	1	0	20.28	20.21	20.18						
15	64QAM	1	37	20.27	20.24	20.22						
15	64QAM	1	74	20.16	20.25	20.22	22	2				
15	64QAM	36	0	19.71	19.62	19.81						
15	64QAM	36	20	19.82	19.70	19.69						
15	64QAM	36	39	19.68	19.50	19.56						
15	64QAM	75	0	19.20	19.31	19.31	21	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.49	22.695	22.990	24	0				
10	QPSK	1	25	22.38	22.40	22.19						
10	QPSK	1	49	22.24	22.47	22.05						
10	QPSK	25	0	21.56	21.74	21.61						
10	QPSK	25	12	21.69	21.63	21.73	23	1				
10	QPSK	25	25	21.66	21.58	21.70						
10	QPSK	50	0	21.68	21.62	21.62						
10	16QAM	1	0	21.24	21.33	21.18						
10	16QAM	1	25	21.15	21.18	21.03	23	1				
10	16QAM	1	49	21.19	21.09	21.07						
10	16QAM	25	0	20.35	20.29	20.20						
10	16QAM	25	12	20.32	20.22	20.23						
10	16QAM	25	25	20.47	20.31	20.22	22	2				
10	16QAM	50	0	20.51	20.22	20.13						
10	64QAM	1	0	20.19	20.16	20.12						
10	64QAM	1	25	20.21	20.20	20.12						
10	64QAM	1	49	20.08	20.16	20.14	22	2				
10	64QAM	25	0	19.64	19.50	19.77						
10	64QAM	25	12	19.52	19.63	19.61						
10	64QAM	25	25	19.67	19.40	19.52						
10	64QAM	50	0	19.20	19.29	19.26	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.43	22.46	22.23	24	0				
5	QPSK	1	12	22.41	22.36	22.25						
5	QPSK	1	24	22.19	22.40	22.13						
5	QPSK	12	0	21.62	21.76	21.58						
5	QPSK	12	7	21.60	21.60	21.73	23	1				
5	QPSK	12	13	21.73	21.58	21.64						
5	QPSK	25	0	21.69	21.70	21.68						
5	16QAM	1	0	21.24	21.32	21.15						
5	16QAM	1	12	21.15	21.16	21.06	23	1				
5	16QAM	1	24	21.21	21.02	21.04						
5	16QAM	12	0	20.25	20.27	20.25						
5	16QAM	12	7	20.36	20.23	20.25						
5	16QAM	12	13	20.45	20.39	20.24	22	2				
5	16QAM	25	0	20.48	20.25	20.10						
5	64QAM	1	0	20.28	20.16	20.16						
5	64QAM	1	12	20.17	20.24	20.19						
5	64QAM	1	24	20.15	20.22	20.16	22	2				
5	64QAM	12	0	19.69	19.61	19.78						
5	64QAM	12	7	19.55	19.69	19.65						
5	64QAM	12	13	19.68	19.40	19.46						
5	64QAM	25	0	19.10	19.28	19.22	21	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.50	22.55	22.55	24	0				
3	QPSK	1	8	22.44	22.39	22.30						
3	QPSK	1	14	22.23	22.40	22.10						
3	QPSK	8	0	21.62	21.74	21.53						
3	QPSK	8	4	21.62	21.51	21.72	23	1				
3	QPSK	8	7	21.72	21.51	21.72						
3	QPSK	15	0	21.76	21.64	21.66						
3	16QAM	1	0	21.16	21.29	21.19						
3	16QAM	1	8	21.18	21.28	21.02	23	1				
3	16QAM	1	14	21.13	21.07	21.06						
3	16QAM	8	0	20.35	20.29	20.20						
3	16QAM	8	4	20.34	20.20	20.20						
3	16QAM	8	7	20.54	20.38	20.27	22	2				
3	16QAM	15	0	20.46	20.19	20.14						
3	64QAM	1	0	20.21	20.21	20.12						
3	64QAM	1	8	20.21	20.23	20.12						
3	64QAM	1	14	20.06	20.24	20.16	22	2				
3	64QAM	8	0	19.68	19.59	19.78						
3	64QAM	8	4	19.52	19.62	19.67						
3	64QAM	8	7	19.59	19.40	19.54						
3	64QAM	15	0	19.11	19.21	19.23	21	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.50	22.55	22.55	24	0				
1.4	QPSK	1	3	22.43	22.43	22.22						
1.4	QPSK	1	5	22.17	22.44	22.21						
1.4	QPSK	3	0	22.47	22.43	22.21						
1.4	QPSK	3	1	22.39	22.36	22.20	23	1				
1.4	QPSK	3	3	22.17	22.46	22.14						
1.4	QPSK	6	0	21.74	21.70	21.67						
1.4	16QAM	1	0	21.18	21.25	21.15						
1.4	16QAM	1	3	21.15	21.22	21.04	23	1				
1.4	16QAM	1	5	21.17	21.07	21.08						
1.4	16QAM	3	0	21.18	21.35	21.10						
1.4	16QAM	3	1	21.17	21.19	21.04						
1.4	16QAM	3	3	21.18	21.11	21.08	22	2				
1.4	16QAM	6	0	20.42	20.22	20.16						
1.4	64QAM	1	0	20.18	20.14	20.17						
1.4	64QAM	1	3	20.25	20.24	20.16						
1.4	64QAM	1	5	20.08	20.17	20.17	22	2				
1.4	64QAM	3	0	20.22	20.11	20.16						
1.4	64QAM	3	1	20.25	20.18	20.20						
1.4	64QAM	3	3	20.16	20.20	20.20						
1.4	64QAM	6	0	19.13	19.27	19.28	21	3				

Band 26_Ant 2 DSI 2&4&6&3&5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				26765	26865	26965						
15	QPSK	1	0	21.74	21.71	21.77	23	0				
15	QPSK	1	37	21.65	21.65	21.77						
15	QPSK	1	74	21.79	21.70	21.69						
15	QPSK	36	0	20.77	20.82	20.90						
15	QPSK	36	20	20.81	20.76	20.97	22	1				
15	QPSK	36	39	20.87	20.81	20.92						
15	QPSK	75	0	20.84	20.84	20.87						
15	16QAM	1	0	21.09	20.98	21.13						
15	16QAM	1	37	21.00	21.07	21.08	22	1				
15	16QAM	1	74	21.08	21.06	21.00						
15	16QAM	36	0	19.81	19.85	19.90						
15	16QAM	36	20	19.84	19.85	19.95	21	2				
15	16QAM	36	39	19.87	19.87	19.89						
15	16QAM	75	0	19.86	19.87	19.91						
15	16QAM	1	0	19.94	19.84	19.99						
15	64QAM	1	37	19.95	20.04	20.04	21	2				
15	64QAM	1	74	20.01	20.00	19.88						
15	64QAM	36	0	18.83	18.86	18.95	20	3				
15	64QAM	36	20	18.86	18.86	18.97						
15	64QAM	36	39	18.90	18.95	18.96						
15	64QAM	75	0	18.85	18.86	18.92						
Channel				26740	26865	26900	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	21.69	21.61	21.74	23	0				
10	QPSK	1	25	21.59	21.73	21.68						
10	QPSK	1	49	21.76	21.72	21.61						
10	QPSK	25	0	20.71	20.81	20.84						
10	QPSK	25	12	20.74	20.78	20.95	22	1				
10	QPSK	25	25	20.77	20.84	20.92						
10	QPSK	50	0	20.74	20.80	20.85						
10	16QAM	1	0	21.08	20.90	21.12						
10	16QAM	1	25	20.97	20.97	21.07	22	1				
10	16QAM	1	49	21.08	21.06	20.99						
10	16QAM	25	0	19.73	19.76	19.82	21	2				
10	16QAM	25	12	19.80	19.81	19.94						
10	16QAM	25	25	19.83	19.88	19.87						
10	16QAM	50	0	19.85	19.86	19.89						
10	16QAM	1	0	19.85	19.82	19.95	21	2				
10	64QAM	1	25	19.94	19.96	19.98						
10	64QAM	1	49	19.97	20.00	19.95						
10	64QAM	25	0	19.90	19.96	19.91						
10	64QAM	25	12	19.79	19.79	19.95	20	3				
10	64QAM	25	25	18.86	18.86	18.91						
10	64QAM	50	0	18.81	18.80	18.85						
Channel				26715	26865	27015				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	21.68	21.64	21.73	23	0				
5	QPSK	1	12	21.56	21.75	21.71						
5	QPSK	1	24	21.72	21.72	21.64						
5	QPSK	12	0	20.70	20.83	20.82						
5	QPSK	12	7	20.72	20.79	20.88	22	1				
5	QPSK	12	13	20.79	20.82	20.82						
5	QPSK	25	0	20.84	20.75	20.85						
5	16QAM	1	0	21.06	20.92	21.09						
5	16QAM	1	12	20.96	20.97	21.08	22	1				
5	16QAM	1	24	21.02	21.03	20.95						
5	16QAM	12	0	19.77	19.76	19.89						
5	16QAM	12	7	19.74	19.77	19.94						
5	16QAM	12	13	19.77	19.84	19.95	21	2				
5	16QAM	25	0	19.80	19.83	19.89						
5	16QAM	25	0	19.89	19.82	19.89						
5	64QAM	1	12	19.94	19.99	19.92						
5	64QAM	1	24	19.97	19.90	19.82	21	2				
5	64QAM	12	0	18.77	18.84	18.87						
5	64QAM	12	7	18.81	18.78	18.90						
5	64QAM	12	13	18.93	18.95	18.98						
5	64QAM	25	0	18.77	18.77	18.84	20	3				
Channel				26705	26865	27035				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				817.5	831.5	848.3						
3	QPSK	1	0	21.71	21.57	21.76				23	0	
3	QPSK	1	8	21.62	21.72	21.77						
3	QPSK	1	14	21.76	21.73	21.67						
3	QPSK	8	0	20.69	20.76	20.83						
3	QPSK	8	7	20.79	20.82	20.95	22	1				
3	QPSK	15	0	20.83	20.86	20.87						
3	16QAM	1	0	21.03	20.91	21.04						
3	16QAM	1	8	21.00	21.04	21.06						
3	16QAM	1	14	21.05	21.05	20.98	22	1				
3	16QAM	8	0	19.77	19.75	19.85						
3	16QAM	8	7	19.76	19.83	19.91						
3	16QAM	8	7	19.85	19.85	19.87						
3	16QAM	15	0	19.86	19.87	19.88	21	2				
3	64QAM	1	0	19.89	19.76	19.94						
3	64QAM	1	8	19.85	19.94	20.02						
3	64QAM	1	14	19.94	19.99	19.85						
3	64QAM	8	0	18.79	18.78	18.88	20	3				
3	64QAM	8	7	18.76	18.77	18.96						
3	64QAM	8	7	18.85	18.98	19.93						
3	64QAM	15	0	18.84	18.82	19.92						
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	21.71	21.61	21.69	23	0				
1.4	QPSK	1	3	21.60	21.73	21.67						
1.4	QPSK	1	5	21.70	21.75	21.64						
1.4	QPSK	3	0	21.64	21.56	21.62						
1.4	QPSK	3	1	21.50	21.64	21.56	22	1				
1.4	QPSK	3	3	21.60	21.67	21.62						
1.4	QPSK	6	0	20.81	20.81	20.79						
1.4	16QAM	1	0	20.99	20.97	21.06						
1.4	16QAM	1	3	21.00	20.99	21.00	22	1				
1.4	16QAM	1	5	21.04	20.99	20.93						
1.4	16QAM	3	0	20.89	20.98	20.98						
1.4	16QAM	3	1	20.99	20.94	20.93						
1.4	16QAM	3	3	21.04	20.89	20.91	21	2				
1.4	16QAM	6	0	19.78	19.87	19.84						
1.4	64QAM	1	0	19.89	19.84	19.93						
1.4	64QAM	1	3	19.91	19.98	20.00						
1.4	64QAM	1	5	19.99	19.92	19.98	21	2				
1.4	64QAM	3	0	19.86	19.76	19.90						
1.4	64QAM	3	3	19.92	19.88	19.90						
1.4	64QAM	3	3	19.90	19.83	19.87						
1.4	64QAM	6	0	18.84	18.80	19.92	20	3				

Band 30_Ant 1 DSI 2&4&6									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		22.65		24	0	
10	QPSK	1	25		22.62				
10	QPSK	1	49		22.56				
10	QPSK	25	0		21.66		23	1	
10	QPSK	25	12		21.60				
10	QPSK	25	25		21.55				
10	QPSK	50	0		21.78		22	2	
10	16QAM	1	0		21.94				
10	16QAM	1	25		22.01				
10	16QAM	1	49		22.05		23	1	
10	16QAM	25	0		20.67				
10	16QAM	25	12		20.72				
10	16QAM	25	25		20.82		22	2	
10	16QAM	50	0		20.78				
10	64QAM	1	0		20.85				
10	64QAM	1	25		20.97		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.70				
10	64QAM	25	12		19.80		21	3	
10	64QAM	25	25		19.87				
10	64QAM	50	0		19.84				
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.07	23.10	23.12	24	0	
5	QPSK	1	12	22.62	22.62	22.54			
5	QPSK	1	24	22.55	22.58	22.62			
5	QPSK	12	0	21.60	21.65	21.60	23	1	
5	QPSK	12	7	21.61	21.62	21.71			
5	QPSK	12	13	21.74	21.74	21.83			
5	QPSK	25	0	21.78	21.76	21.68	23	1	
5	16QAM	1	0	21.85	21.92	21.89			
5	16QAM	1	12	21.91	22.00	22.00			
5	16QAM	1	24	21.95	22.00	22.03	22	2	
5	16QAM	12	0	20.58	20.58	20.58			
5	16QAM	12	7	20.65	20.62	20.70			
5	16QAM	12	13	20.81	20.80	20.72	22	2	
5	16QAM	25	0	20.74	20.70	20.69			
5	64QAM	1	0	20.85	20.80	20.76			
5	64QAM	1	12	20.91	20.92	20.90	22	2	
5	64QAM	1	24	20.84	20.87	20.85			
5	64QAM	12	0	19.63	19.63	19.68			
5	64QAM	12	7	19.79	19.78	19.77	21	3	
5	64QAM	12	13	19.79	19.82	19.81			
5	64QAM	25	0	19.80	19.74	19.78			

Band 30_Ant 2 DSI 2&4&6&8&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.13	20.13		22	0	
10	QPSK	1	25	20.33					
10	QPSK	1	49	20.38					
10	QPSK	25	0	19.36			21	1	
10	QPSK	25	12	19.32					
10	QPSK	25	25	19.34					
10	QPSK	50	0	19.51			21	1	
10	16QAM	1	0	19.73					
10	16QAM	1	25	19.74					
10	16QAM	1	49	19.76			20	2	
10	16QAM	25	0	18.38					
10	16QAM	25	12	18.44					
10	16QAM	25	25	18.53			19	3	
10	16QAM	50	0	18.51					
10	64QAM	1	0	18.55					
10	64QAM	1	25	18.66			20	2	
10	64QAM	1	49	18.66					
10	64QAM	25	0	17.44					
10	64QAM	25	12	17.51			19	3	
10	64QAM	25	25	17.62					
10	64QAM	50	0	17.58					
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.43	20.10	20.35	22	0	
5	QPSK	1	12	20.24	20.23	20.29			
5	QPSK	1	24	20.30	20.32	20.36			
5	QPSK	12	0	19.34	19.36	19.26	21	1	
5	QPSK	12	7	19.40	19.35	19.36			
5	QPSK	12	13	19.50	19.48	19.46			
5	QPSK	25	0	19.49	19.42	19.45	20	2	
5	16QAM	1	0	19.65	19.69	19.68			
5	16QAM	1	12	19.73	19.64	19.65			
5	16QAM	1	24	19.76	19.68	19.69	20	2	
5	16QAM	12	0	18.37	18.36	18.35			
5	16QAM	12	7	18.42	18.35	18.44			
5	16QAM	12	13	18.47	18.45	18.49	19	3	
5	16QAM	25	0	18.45	18.50	18.50			
5	64QAM	1	0	18.54	18.55	18.50			
5	64QAM	1	12	18.56	18.66	18.57	20	2	
5	64QAM	1	24	18.66	18.66	18.56			
5	64QAM	12	0	17.35	17.44	17.37			
5	64QAM	12	7	17.46	17.41	17.41	19	3	
5	64QAM	12	13	17.61	17.55	17.58			
5	64QAM	25	0	17.58	17.51	17.48			

Band 66Ant 1 DSI 2&4&6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1732	1757						
20	QPSK	1	0	22.88	22.82	22.88	24	0				
20	QPSK	1	49	22.78	22.73	22.73						
20	QPSK	1	99	22.72	22.67	22.62						
20	QPSK	50	0	21.99	21.94	21.96	23	1				
20	QPSK	50	24	21.93	21.89	21.92						
20	QPSK	50	50	21.86	21.83	21.81						
20	QPSK	100	0	21.50	21.86	21.81	23	1				
20	16QAM	1	0	22.22	22.17	22.22						
20	16QAM	1	49	22.10	22.04	22.02						
20	16QAM	1	99	22.10	21.99	21.89	22	2				
20	16QAM	50	0	20.89	20.86	20.87						
20	16QAM	50	24	20.96	20.92	20.93						
20	16QAM	50	50	20.86	20.84	20.83	22	2				
20	16QAM	100	0	20.88	20.86	20.82						
20	64QAM	1	0	21.06	21.08	21.09						
20	64QAM	1	49	20.99	20.96	20.99	22	2				
20	64QAM	1	99	20.97	20.94	20.88						
20	64QAM	50	0	19.92	19.88	19.90						
20	64QAM	50	24	19.95	19.91	19.93	21	3				
20	64QAM	50	50	19.89	19.86	19.86						
20	64QAM	100	0	19.94	19.89	19.86						
Channel												
Frequency (MHz)				13047	13232	13567				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.85	22.82	22.78	24	0				
15	QPSK	1	37	22.69	22.65	22.64						
15	QPSK	1	74	22.62	22.62	22.62						
15	QPSK	36	0	21.89	21.74	21.76	23	1				
15	QPSK	36	20	21.85	21.83	21.92						
15	QPSK	36	39	21.83	21.79	21.74						
15	QPSK	75	0	21.87	21.79	21.72	23	1				
15	16QAM	1	0	22.18	22.12	22.14						
15	16QAM	1	37	22.02	21.95	21.94						
15	16QAM	1	74	22.10	21.91	21.86	22	2				
15	16QAM	36	0	20.89	20.82	20.81						
15	16QAM	36	20	20.92	20.86	20.91						
15	16QAM	36	39	20.79	20.75	20.78	22	2				
15	16QAM	75	0	20.83	20.82	20.78						
15	64QAM	1	0	20.96	20.92	21.00						
15	64QAM	1	37	20.94	20.93	20.94	22	2				
15	64QAM	1	74	20.90	20.89	20.88						
15	64QAM	36	0	19.82	19.78	19.81						
15	64QAM	36	20	19.89	19.87	19.85	21	3				
15	64QAM	36	39	19.85	19.86	19.81						
15	64QAM	75	0	19.97	19.92	19.85						
Channel												
Frequency (MHz)				1715	1745	1772.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.84	22.83	22.84	24	0				
10	QPSK	1	25	22.75	22.72	22.69						
10	QPSK	1	49	22.64	22.63	22.61						
10	QPSK	25	0	21.89	21.83	21.81	23	1				
10	QPSK	25	12	21.83	21.87	21.92						
10	QPSK	25	25	21.81	21.75	21.78						
10	QPSK	50	0	21.86	21.85	21.79	23	1				
10	16QAM	1	0	22.21	22.08	22.17						
10	16QAM	1	25	22.00	22.03	21.92						
10	16QAM	1	49	22.07	21.97	21.81	22	2				
10	16QAM	25	0	20.90	20.94	20.94						
10	16QAM	25	12	20.95	20.95	20.93						
10	16QAM	25	25	20.83	20.80	20.76	22	2				
10	16QAM	50	0	20.78	20.79	20.81						
10	64QAM	1	0	20.96	20.98	21.05						
10	64QAM	1	25	20.94	20.94	20.95	22	2				
10	64QAM	1	49	20.87	20.89	20.80						
10	64QAM	25	0	19.86	19.86	19.83						
10	64QAM	25	12	19.91	19.90	19.85	21	3				
10	64QAM	25	25	19.79	19.77	19.76						
10	64QAM	50	0	19.87	19.80	19.79						
Channel												
Frequency (MHz)				13197	13232	132647 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	22.86	22.83	22.83	24	0				
5	QPSK	1	22	22.75	22.72	22.67						
5	QPSK	1	24	22.72	22.58	22.52						
5	QPSK	12	0	21.82	21.76	21.79	23	1				
5	QPSK	12	7	21.91	21.82	21.91						
5	QPSK	12	13	21.83	21.82	21.78						
5	QPSK	25	0	21.82	21.86	21.75	23	1				
5	16QAM	1	0	22.20	22.07	22.16						
5	16QAM	1	12	22.05	22.03	21.93						
5	16QAM	1	24	22.01	21.94	21.80	22	2				
5	16QAM	12	0	20.79	20.77	20.78						
5	16QAM	12	7	20.86	20.83	20.84						
5	16QAM	12	13	20.76	20.83	20.83	22	2				
5	16QAM	25	0	20.81	20.81	20.73						
5	16QAM	1	0	21.02	21.01	21.07						
5	64QAM	1	12	20.99	20.90	20.98	22	2				
5	64QAM	1	24	20.94	20.89	20.83						
5	64QAM	12	0	19.89	19.82	19.83						
5	64QAM	12	7	19.93	19.91	19.85	21	3				
5	64QAM	12	13	19.79	19.80	19.84						
5	64QAM	25	0	19.89	19.81	19.81						
Channel												
Frequency (MHz)				13197	13232	132657 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)				
3	QPSK	1	0	22.88	22.82	22.83	24	0				
3	QPSK	1	8	22.75	22.64	22.63						
3	QPSK	1	14	22.66	22.62	22.57						
3	QPSK	8	0	21.82	21.76	21.80	23	1				
3	QPSK	8	8	21.31	21.31	21.82						
3	QPSK	8	7	21.85	21.76	21.73						
3	QPSK	15	0	21.82	21.80	21.80	23	1				
3	16QAM	1	0	22.20	22.14	22.13						
3	16QAM	1	8	22.06	21.95	21.95						
3	16QAM	1	14	22.02	21.98	21.84	22	2				
3	16QAM	8	0	20.96	20.92	20.87						
3	16QAM	8	4	20.94	20.90	20.89						
3	16QAM	8	7	20.81	20.83	20.76	22	2				
3	16QAM	15	0	20.83	20.86	20.75						
3	64QAM	1	0	21.03	21.03	21.03						
3	64QAM	1	8	20.94	20.87	20.98	22	2				
3	64QAM	1	20	20.91	20.87	20.81						
3	64QAM	8	0	19.87	19.83	19.80						
3	64QAM	8	4	19.90	19.91	19.89	21	3				
3	64QAM	8	7	19.88	19.77	19.77						
3	64QAM	15	0	19.87	19.89	19.81						
Channel												
Frequency (MHz)				1717	1743	1773.3 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)				
1.4	QPSK	1	0	22.79	22.73	22.86	24	0				
1.4	QPSK	1	3	22.68	22.63	22.73						
1.4	QPSK	1	5	22.67	22.60	22.60						
1.4	QPSK	3	0	22.72	22.67	22.77	23	1				
1.4	QPSK	3	1	22.63	22.59	22.66						
1.4	QPSK	3	3	22.59	22.59	22.59						
1.4	QPSK	6	0	21.80	21.86	21.71	23	1				
1.4	16QAM	1	0	22.21	22.08	22.20						
1.4	16QAM	1	3	22.08	22.04	22.01						
1.4	16QAM	1	5	22.01	21.91	21.89	23	1				
1.4	16QAM	3	0	22.15	22.03	22.12						
1.4	16QAM	3	1	22.07	21.99	21.96						
1.4	16QAM	3	3	21.94	21.89	21.80	22	2				
1.4	16QAM	6	0	20.86	20.80	20.79						
1.4	64QAM	1	0	21.03	21.03	21.07						
1.4	64QAM	1	3	20.91	20.90	20.96	22	2				
1.4	64QAM	1	5	20.96	20.93	20.87						
1.4	64QAM	3	0	20.79	20.71	20.76						
1.4	64QAM	3	3	20.99	20.92	21.03	21	3				
1.4	64QAM	3	3	20.93	20.90	20.90						
1.4	64QAM	6	0	19.84	19.84	19.77						

Band 66_Ant 2 DSI 2&4&6&3&5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	20.92	20.90	20.87	22	0				
20	QPSK	1	49	20.79	20.79	20.72						
20	QPSK	1	99	20.72	20.73	20.59						
20	QPSK	50	0	20.06	19.90	19.84						
20	QPSK	50	24	19.95	19.95	19.90	21	1				
20	QPSK	50	50	19.87	19.89	19.81						
20	QPSK	100	0	19.93	19.92	19.74						
20	16QAM	1	0	20.23	20.27	20.24						
20	16QAM	1	49	20.15	20.11	19.70	21	1				
20	16QAM	1	99	20.10	20.05	19.90						
20	16QAM	50	0	18.90	18.92	18.89						
20	16QAM	50	24	18.94	18.95	18.93						
20	16QAM	50	50	18.86	18.89	18.84	20	2				
20	16QAM	100	0	18.92	18.91	18.82						
20	64QAM	1	0	19.08	19.11	19.05						
20	64QAM	1	49	19.00	19.04	18.50						
20	64QAM	1	99	18.97	18.98	18.85	19	3				
20	64QAM	50	0	17.93	17.94	17.91						
20	64QAM	50	24	17.97	17.98	17.95						
20	64QAM	50	50	17.91	17.9	17.86						
20	64QAM	100	0	17.96	17.94	17.85	Channel		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1732	1304327	132697						
15	QPSK	1	0	20.82	20.87	20.83	22	0				
15	QPSK	1	37	20.71	20.71	20.68						
15	QPSK	1	74	20.69	20.63	20.53						
15	QPSK	36	0	19.79	19.81	19.83						
15	QPSK	36	20	19.90	19.92	19.97	21	1				
15	QPSK	36	39	19.77	19.88	19.74						
15	QPSK	75	0	19.82	19.90	19.69						
15	16QAM	1	0	20.22	20.20	20.23						
15	16QAM	1	37	20.15	20.04	19.84	21	1				
15	16QAM	1	74	20.01	20.04	19.80						
15	16QAM	36	0	18.89	18.87	18.87						
15	16QAM	36	20	18.85	18.93	18.83						
15	16QAM	36	39	18.80	18.80	18.76	20	2				
15	16QAM	75	0	18.85	18.81	18.82						
15	64QAM	1	0	19.07	19.09	18.96						
15	64QAM	1	37	18.90	18.90	18.49						
15	64QAM	1	74	18.94	18.91	18.82	19	3				
15	64QAM	36	0	17.83	17.94	17.89						
15	64QAM	36	20	17.91	17.93	17.93						
15	64QAM	36	39	17.91	17.83	17.81						
15	64QAM	75	0	17.91	17.92	17.81	Channel		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	20.90	20.82	20.78	22	0				
10	QPSK	1	25	20.78	20.73	20.72						
10	QPSK	1	49	20.66	20.63	20.59						
10	QPSK	25	0	19.85	19.80	19.80						
10	QPSK	25	12	19.86	19.85	19.83	21	1				
10	QPSK	25	25	19.86	19.9	19.79						
10	QPSK	50	0	19.87	19.91	19.65						
10	16QAM	1	0	20.21	20.24	20.23						
10	16QAM	1	25	20.12	20.03	19.65	21	1				
10	16QAM	1	49	20.03	19.99	19.84						
10	16QAM	25	0	18.81	18.89	18.81						
10	16QAM	25	12	18.86	18.86	18.86						
10	16QAM	25	25	18.82	18.88	18.82	20	2				
10	16QAM	50	0	18.85	18.87	18.76						
10	64QAM	1	0	19.08	19.04	19.04						
10	64QAM	1	25	18.99	18.94	18.45						
10	64QAM	1	49	18.90	18.88	18.75	19	3				
10	64QAM	25	0	17.85	17.90	17.86						
10	64QAM	25	12	17.87	17.92	17.89						
10	64QAM	25	25	17.89	17.85	17.84						
10	64QAM	50	0	17.94	17.88	17.76	Channel		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1304327	132647						
5	QPSK	1	0	20.90	20.85	20.81	22	0				
5	QPSK	1	12	20.73	20.75	20.63						
5	QPSK	1	24	20.69	20.66	20.58						
5	QPSK	12	0	19.77	19.89	19.77						
5	QPSK	12	7	19.89	19.88	19.87	21	1				
5	QPSK	12	13	19.80	19.82	19.73						
5	QPSK	25	0	19.84	19.90	19.72						
5	16QAM	1	0	20.22	20.24	20.23						
5	16QAM	1	12	20.09	20.11	19.83	21	1				
5	16QAM	1	24	20.07	19.98	19.83						
5	16QAM	12	0	18.86	18.89	18.86						
5	16QAM	12	7	18.94	18.91	18.90						
5	16QAM	12	13	18.84	18.84	18.83	20	2				
5	16QAM	25	0	18.84	18.91	18.80						
5	64QAM	1	0	19.08	19.07	19.01						
5	64QAM	1	12	18.92	18.95	18.49						
5	64QAM	1	24	18.92	18.93	18.77	20	2				
5	64QAM	12	0	17.85	17.92	17.90						
5	64QAM	12	7	17.88	17.88	17.94						
5	64QAM	12	13	17.85	17.83	17.86						
5	64QAM	25	0	17.86	17.87	17.84	19	3				
Channel												
Frequency (MHz)				1715	1304327	132657						
3	QPSK	1	0	20.83	20.90	20.85			22	0		
3	QPSK	1	8	20.71	20.74	20.65						
3	QPSK	1	14	20.63	20.67	20.56						
3	QPSK	8	0	19.81	19.80	19.79						
3	QPSK	8	4	19.86	19.95	19.86	21	1				
3	QPSK	8	7	19.76	19.82	19.75						
3	QPSK	15	0	19.84	19.88	19.65						
3	16QAM	1	0	20.17	20.23	20.14						
3	16QAM	1	8	20.13	20.01	19.66	21	1				
3	16QAM	1	14	20.08	19.96	19.80						
3	16QAM	8	0	18.87	18.91	18.86						
3	16QAM	8	4	18.91	18.85	18.92						
3	16QAM	8	7	18.90	18.81	18.75	20	2				
3	16QAM	15	0	18.85	18.86	18.78						
3	64QAM	1	0	18.98	19.03	19.04						
3	64QAM	1	8	18.98	19.04	18.49						
3	64QAM	1	14	18.92	18.97	18.83	19	3				
3	64QAM	8	0	17.89	17.91	17.88						
3	64QAM	8	4	17.95	17.96	17.85						
3	64QAM	8	7	17.83	17.85	17.79						
3	64QAM	15	0	17.86	17.93	17.82	Channel		Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1304327	132665						
1.4	QPSK	1	0	20.81	20.86	20.78	22	0				
1.4	QPSK	1	3	20.79	20.70	20.68						
1.4	QPSK	1	5	20.68	20.64	20.55						
1.4	QPSK	3	0	20.73	20.77	20.78						
1.4	QPSK	3	3	20.69	20.60	20.59	21	1				
1.4	QPSK	6	0	19.94	19.89	19.87						
1.4	16QAM	1	0	20.21	20.23	20.16						
1.4	16QAM	1	3	20.13	20.08	19.60						
1.4	16QAM	1	5	20.06	20.04	19.82	21	1				
1.4	16QAM	3	0	20.16	20.22	20.15						
1.4	16QAM	3	1	20.05	20.05	19.60						
1.4	16QAM	3	3	20.09	20.09	19.74						
1.4	64QAM	1	0	19.91	19.81	18.77	20	2				
1.4	64QAM	1	3	19.08	19.10	19.05						
1.4	64QAM	1	3	19.08	19.04	18.41						
1.4	64QAM	3	0	18.86	18.90	17.85						
1.4	64QAM	3	1	18.82	18.73	18.74	20	2				
1.4	64QAM	3	3	19.08	19.1	19.02						
1.4	64QAM	3	3	18.94	18.94	18.33						
1.4	64QAM	6	0	17.87	17.92	17.76						

Band 38_Ant 1 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.46	22.43	22.68	24	0	
20	QPSK	1	49	22.47	22.51	22.63			
20	QPSK	1	99	22.46	22.64	22.52			
20	QPSK	50	0	21.23	21.20	21.33	23	1	
20	QPSK	50	24	21.30	21.32	21.41			
20	QPSK	50	50	21.28	21.32	21.54			
20	QPSK	100	0	21.31	21.37	21.42	23	1	
20	16QAM	1	0	21.27	21.40	21.37			
20	16QAM	1	49	21.38	21.32	21.47			
20	16QAM	1	99	21.35	21.47	21.69	22	2	
20	16QAM	50	0	20.26	20.25	20.49			
20	16QAM	50	24	20.33	20.31	20.42			
20	16QAM	50	50	20.27	20.44	20.53	22	2	
20	16QAM	100	0	20.26	20.26	20.47			
20	64QAM	1	0	20.14	20.15	20.18			
20	64QAM	1	49	20.25	20.21	20.37	21	3	
20	64QAM	1	99	20.20	20.36	20.50			
20	64QAM	50	0	19.28	19.25	19.36			
20	64QAM	50	24	19.34	19.34	19.41	20	2	
20	64QAM	50	50	19.31	19.30	19.48			
20	64QAM	100	0	19.23	19.38	19.37			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.41	23.40	23.67	24	0	
15	QPSK	1	37	23.47	23.46	23.63			
15	QPSK	1	74	23.53	23.64	23.45			
15	QPSK	36	0	21.21	21.19	21.27	23	1	
15	QPSK	36	20	21.29	21.27	21.31			
15	QPSK	36	39	21.27	21.29	21.42			
15	QPSK	75	0	21.20	21.23	21.39	23	1	
15	16QAM	1	0	21.22	21.26	21.29			
15	16QAM	1	37	21.33	21.33	21.41			
15	16QAM	1	74	21.31	21.45	21.56	22	2	
15	16QAM	36	0	20.13	20.24	20.37			
15	16QAM	36	20	20.26	20.22	20.45			
15	16QAM	36	39	20.28	20.36	20.55	22	2	
15	16QAM	75	0	20.22	20.31	20.43			
15	64QAM	1	0	20.22	20.04	20.11			
15	64QAM	1	37	20.17	20.25	20.37	21	3	
15	64QAM	1	74	20.20	20.36	20.43			
15	64QAM	36	0	19.09	19.22	19.40			
15	64QAM	36	20	19.25	19.35	19.46	20	2	
15	64QAM	36	39	19.23	19.31	19.50			
15	64QAM	75	0	19.20	19.38	19.41			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.41	23.39	23.61	24	0	
10	QPSK	1	25	23.37	23.42	23.60			
10	QPSK	1	49	23.52	23.55	23.35			
10	QPSK	25	0	21.17	21.18	21.23	23	1	
10	QPSK	25	12	21.25	21.27	21.30			
10	QPSK	25	25	21.19	21.28	21.36			
10	QPSK	50	0	21.19	21.15	21.36	23	1	
10	16QAM	1	0	21.21	21.25	21.19			
10	16QAM	1	25	21.24	21.32	21.38			
10	16QAM	1	49	21.31	21.45	21.53	22	2	
10	16QAM	25	0	20.05	20.24	20.30			
10	16QAM	25	12	20.16	20.17	20.42			
10	16QAM	25	25	20.25	20.29	20.54	22	2	
10	16QAM	50	0	20.13	20.26	20.40			
10	64QAM	1	0	20.07	20.05	20.09			
10	64QAM	1	25	20.13	20.18	20.36	21	3	
10	64QAM	1	49	20.20	20.33	20.34			
10	64QAM	25	0	19.04	19.17	19.40			
10	64QAM	25	12	19.19	19.25	19.45	20	2	
10	64QAM	25	25	19.19	19.28	19.47			
10	64QAM	50	0	19.18	19.34	19.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.40	23.29	23.61	24	0	
5	QPSK	1	12	23.33	23.35	23.56			
5	QPSK	1	24	23.52	23.52	23.33			
5	QPSK	12	0	21.15	21.12	21.13	23	1	
5	QPSK	12	7	21.19	21.19	21.26			
5	QPSK	12	13	21.16	21.27	21.31			
5	QPSK	25	0	21.11	21.07	21.26	23	1	
5	16QAM	1	0	21.17	21.19	21.16			
5	16QAM	1	12	21.14	21.26	21.34			
5	16QAM	1	24	21.30	21.42	21.51	22	2	
5	16QAM	12	0	20.04	20.16	20.21			
5	16QAM	12	7	20.11	20.17	20.37			
5	16QAM	12	13	20.22	20.24	20.49	22	2	
5	16QAM	25	0	20.13	20.18	20.31			
5	64QAM	1	0	20.03	20.05	20.07			
5	64QAM	1	12	20.13	20.09	20.29	21	3	
5	64QAM	1	24	20.12	20.23	20.26			
5	64QAM	12	0	19.04	19.17	19.39			
5	64QAM	12	7	19.13	19.15	19.44	20	2	
5	64QAM	12	13	19.09	19.26	19.46			
5	64QAM	25	0	19.17	19.32	19.23			

Band 38_Ant 2 DSI 2&4&6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.39	20.29	20.14	22	0	
20	QPSK	1	49	20.31	20.17	19.97			
20	QPSK	1	99	20.31	20.42	20.25			
20	QPSK	50	0	19.41	19.50	19.43	21	1	
20	QPSK	50	24	19.48	19.66	19.54			
20	QPSK	50	50	19.49	19.69	19.81			
20	QPSK	100	0	19.49	19.40	19.53	21	1	
20	16QAM	1	0	19.40	19.58	19.76			
20	16QAM	1	49	19.39	19.45	19.40			
20	16QAM	1	99	19.43	19.44	19.43	20	2	
20	16QAM	50	0	18.45	18.29	18.43			
20	16QAM	50	24	18.54	18.69	18.65			
20	16QAM	50	50	18.52	18.58	18.53	20	2	
20	16QAM	100	0	18.51	18.54	18.67			
20	64QAM	1	0	18.13	18.15	18.05			
20	64QAM	1	49	18.13	17.97	17.94	20	2	
20	64QAM	1	99	18.14	18.07	18.25			
20	64QAM	50	0	17.45	17.58	17.76			
20	64QAM	50	24	17.55	17.70	17.78	19	3	
20	64QAM	50	50	17.53	17.36	17.44			
20	64QAM	100	0	17.53	17.63	17.82			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.35	20.20	20.14	22	0	
15	QPSK	1	37	20.23	20.12	19.91			
15	QPSK	1	74	20.23	20.41	20.23			
15	QPSK	36	0	19.35	19.49	19.37	21	1	
15	QPSK	36	20	19.39	19.56	19.44			
15	QPSK	36	39	19.41	19.67	19.78			
15	QPSK	75	0	19.41	19.33	19.49	21	1	
15	16QAM	1	0	19.38	19.51	19.72			
15	16QAM	1	37	19.35	19.42	19.38			
15	16QAM	1	74	19.37	19.37	19.34	20	2	
15	16QAM	36	0	18.39	18.19	18.40			
15	16QAM	36	20	18.54	18.69	18.63			
15	16QAM	36	39	18.52	18.56	18.44	20	2	
15	16QAM	75	0	18.41	18.44	18.61			
15	64QAM	1	0	18.09	18.13	18.04			
15	64QAM	1	37	18.03	17.94	17.88	19	3	
15	64QAM	1	74	18.08	18.03	18.17			
15	64QAM	36	0	17.45	17.54	17.73			
15	64QAM	36	20	17.49	17.61	17.76	20	2	
15	64QAM	36	39	17.51	17.35	17.43			
15	64QAM	75	0	17.45	17.57	17.73			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2617.5			
10	QPSK	1	0	20.34	20.11	20.07	22	0	
10	QPSK	1	25	20.22	20.05	19.83			
10	QPSK	1	49	20.14	20.35	20.13			
10	QPSK	25	0	19.31	19.44	19.35	21	1	
10	QPSK	25	12	19.37	19.48	19.35			
10	QPSK	25	25	19.41	19.61	19.69			
10	QPSK	50	0	19.36	19.30	19.44	21	1	
10	16QAM	1	0	19.32	19.47	19.71			
10	16QAM	1	25	19.34	19.32	19.38			
10	16QAM	1	49	19.36	19.30	19.34	20	2	
10	16QAM	25	0	18.35	18.16	18.34			
10	16QAM	25	12	18.44	18.65	18.61			
10	16QAM	25	25	18.46	18.56	18.36	20	2	
10	16QAM	50	0	18.37	18.40	18.53			
10	64QAM	1	0	18.00	18.09	18.03			
10	64QAM	1	25	17.98	17.91	17.80	20	2	
10	64QAM	1	49	18.05	17.93	18.11			
10	64QAM	25	0	17.35	17.46	17.66			
10	64QAM	25	12	17.39	17.60	17.69	19	3	
10	64QAM	25	25	17.49	17.31	17.38			
10	64QAM	50	0	17.40	17.56	17.73			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.29	20.10	19.97	22	0	
5	QPSK	1	12	20.22	20.05	19.73			
5	QPSK	1	24	20.09	20.26	20.04			
5	QPSK	12	0	19.29	19.42	19.29	21	1	
5	QPSK	12	7	19.27	19.44	19.29			
5	QPSK	12	13	19.32	19.53	19.68			
5	QPSK	25	0	19.33	19.24	19.42	21	1	
5	16QAM	1	0	19.25	19.39	19.69			
5	16QAM	1	12	19.33	19.30	19.34			
5	16QAM	1	24	19.27	19.24	19.28	20	2	
5	16QAM	12	0	18.26	18.11	18.33			
5	16QAM	12	7	18.39	18.59	18.59			
5	16QAM	12	13	18.37	18.40	18.30	20	2	
5	16QAM	25	0	18.28	18.38	18.49			
5	64QAM	1	0	17.92	17.99	17.99			
5	64QAM	1	12	17.96	17.91	17.75	20	2	
5	64QAM	1	24	18.04	17.83	18.05			
5	64QAM	12	0	17.26	17.39	17.61			
5	64QAM	12	7	17.30	17.52	17.59	19	3	
5	64QAM	12	13	17.47	17.30	17.30			
5	64QAM	25	0	17.32	17.51	17.66			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				22.50	22.549	22.593	22.635	22.680		
20	QPSK	1	0	22.26	22.30	22.99	22.41	22.71	24	0
20	QPSK	1	49	22.30	22.28	22.94	22.34	22.58		
20	QPSK	1	99	22.26	22.33	22.96	22.44	22.67	23	1
20	QPSK	50	0	21.60	21.62	22.18	21.62	21.80		
20	QPSK	50	24	21.59	21.60	22.15	21.61	21.80	23	1
20	QPSK	50	50	21.55	21.59	22.17	21.62	21.87		
20	QPSK	100	0	21.61	21.61	22.22	21.62	21.80	23	1
20	16QAM	1	0	21.71	21.70	22.37	21.76	21.99		
20	16QAM	1	49	21.70	21.68	22.35	21.71	21.96	22	2
20	16QAM	1	99	21.60	21.67	22.43	21.76	22.00		
20	16QAM	50	0	20.60	20.64	21.20	20.68	20.84	22	2
20	16QAM	50	24	20.64	20.68	21.30	20.68	20.86		
20	16QAM	50	50	20.61	20.66	21.30	20.65	20.91	22	2
20	16QAM	100	0	20.63	20.66	21.31	20.66	20.83		
20	64QAM	1	0	20.49	20.48	21.13	20.61	20.92	22	2
20	64QAM	1	49	20.54	20.50	21.15	20.55	20.88		
20	64QAM	1	99	20.54	20.52	21.26	20.63	20.97	21	3
20	64QAM	50	0	19.62	19.64	20.20	19.65	19.82		
20	64QAM	50	24	19.62	19.69	20.31	19.68	19.84	21	3
20	64QAM	50	50	19.61	19.67	20.31	19.64	19.89		
20	64QAM	100	0	19.67	19.67	20.29	19.64	19.84		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				22.535	22.583	22.627	22.667	22.715	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.20	22.27	22.96	22.36	22.67	24	0
15	QPSK	1	37	22.27	22.26	22.92	22.31	22.52		
15	QPSK	1	74	22.24	22.30	22.91	22.40	22.62	23	1
15	QPSK	36	0	21.59	21.59	22.13	21.56	21.80		
15	QPSK	36	20	21.54	21.58	22.23	21.53	21.77	23	1
15	QPSK	36	39	21.47	21.51	22.19	21.60	21.87		
15	QPSK	75	0	21.51	21.54	22.21	21.60	21.77	23	1
15	16QAM	1	0	21.63	21.66	22.37	21.66	21.92		
15	16QAM	1	37	21.64	21.68	22.29	21.61	21.94	22	2
15	16QAM	1	74	21.58	21.58	22.39	21.70	21.99		
15	16QAM	36	0	20.51	20.59	21.13	20.64	20.74	22	2
15	16QAM	36	20	20.59	20.58	21.29	20.61	20.76		
15	16QAM	36	39	20.51	20.65	21.24	20.64	20.90	22	2
15	16QAM	75	0	20.58	20.62	21.25	20.58	20.81		
15	64QAM	1	0	20.43	20.40	21.10	20.58	20.88	22	2
15	64QAM	1	37	20.45	20.40	21.14	20.46	20.85		
15	64QAM	1	74	20.51	20.51	21.18	20.55	20.91	21	3
15	64QAM	36	0	19.56	19.54	20.13	19.57	19.82		
15	64QAM	36	20	19.60	19.61	20.29	19.68	19.80	21	3
15	64QAM	36	39	19.53	19.57	20.30	19.55	19.81		
15	64QAM	75	0	19.64	19.60	20.20	19.58	19.74		
Channel				39700	40163	40620	41063	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.501	22.547	22.593	22.639	22.685		
10	QPSK	1	0	22.20	22.28	22.94	22.32	22.71	24	0
10	QPSK	1	25	22.26	22.19	22.94	22.30	22.49		
10	QPSK	1	49	22.23	22.28	22.99	22.41	22.62	23	1
10	QPSK	25	0	21.59	21.56	22.14	21.57	21.75		
10	QPSK	25	12	21.59	21.50	22.22	21.54	21.71	23	1
10	QPSK	25	25	21.50	21.54	22.21	21.59	21.80		
10	QPSK	50	0	21.55	21.55	22.26	21.57	21.71	23	1
10	16QAM	1	0	21.62	21.61	22.37	21.71	21.98		
10	16QAM	1	25	21.67	21.61	22.25	21.66	21.95	22	2
10	16QAM	1	49	21.55	21.61	22.37	21.68	21.97		
10	16QAM	25	0	20.50	20.59	21.10	20.68	20.84	22	2
10	16QAM	25	12	20.57	20.64	21.20	20.66	20.78		
10	16QAM	25	25	20.58	20.60	21.22	20.57	20.82	22	2
10	16QAM	50	0	20.59	20.61	21.28	20.60	20.81		
10	64QAM	1	0	20.47	20.44	21.10	20.60	20.87	22	2
10	64QAM	1	25	20.49	20.45	21.13	20.54	20.82		
10	64QAM	1	49	20.49	20.45	21.25	20.56	20.95	21	3
10	64QAM	25	0	19.60	19.59	20.19	19.58	19.74		
10	64QAM	25	12	19.54	19.60	20.27	19.59	19.83	21	3
10	64QAM	25	25	19.53	19.63	20.31	19.55	19.88		
10	64QAM	50	0	19.59	19.58	20.29	19.59	19.82		
Channel				39675	40148	40620	41053	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.485	22.545	22.593	22.640	22.675		
5	QPSK	1	0	22.25	22.20	22.96	22.37	22.64	24	0
5	QPSK	1	12	22.25	22.19	22.86	22.31	22.57		
5	QPSK	1	24	22.22	22.27	23.00	22.34	22.63	23	1
5	QPSK	12	0	21.52	21.53	22.14	21.62	21.72		
5	QPSK	12	7	21.55	21.59	22.22	21.59	21.74	23	1
5	QPSK	12	13	21.51	21.58	22.19	21.61	21.77		
5	QPSK	25	0	21.53	21.62	22.22	21.56	21.76	23	1
5	16QAM	1	0	21.66	21.62	22.28	21.70	21.91		
5	16QAM	1	12	21.68	21.58	22.29	21.68	21.86	23	1
5	16QAM	1	24	21.53	21.63	22.43	21.72	21.91		
5	16QAM	12	0	20.53	20.54	21.19	20.59	20.80	22	2
5	16QAM	12	7	20.58	20.59	21.20	20.59	20.83		
5	16QAM	12	13	20.58	20.61	21.23	20.59	20.82	22	2
5	16QAM	25	0	20.55	20.62	21.31	20.63	20.79		
5	64QAM	1	0	20.49	20.44	21.08	20.61	20.91	22	2
5	64QAM	1	12	20.52	20.43	21.12	20.46	20.83		
5	64QAM	1	24	20.44	20.47	21.19	20.58	20.92	21	3
5	64QAM	12	0	19.59	19.54	20.19	19.62	19.74		
5	64QAM	12	7	19.57	19.64	20.25	19.67	19.75	21	3
5	64QAM	12	13	19.55	19.64	20.27	19.60	19.81		
5	64QAM	25	0	19.67	19.60	20.22	19.58	19.79		

Band 41_Ant 1 (HPUE) DSI 28486

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
				39750	40185	40620	40855	41490		
20	QPSK	1	0	25.36	25.06	25.52	25.57	25.72	27	0
20	QPSK	1	49	25.28	25.05	25.42	25.42	25.65		
20	QPSK	1	99	25.20	25.05	25.46	25.49	25.39	26	1
20	QPSK	50	0	24.52	24.25	24.66	24.76	24.87		
20	QPSK	50	24	24.57	24.33	24.73	24.74	24.88	26	1
20	QPSK	50	50	24.54	24.30	24.68	24.67	24.88		
20	QPSK	100	0	24.55	24.35	24.72	24.73	24.88	25	2
20	16QAM	1	0	24.76	24.47	24.92	25.04	25.13		
20	16QAM	1	49	24.73	24.47	24.82	24.83	25.05	26	1
20	16QAM	1	99	24.58	24.50	24.83	24.80	24.67		
20	16QAM	50	0	23.56	23.31	23.70	23.83	23.95	25	2
20	16QAM	50	24	23.63	23.40	23.79	23.81	23.96		
20	16QAM	50	50	23.57	23.39	23.75	23.73	23.97	24	3
20	16QAM	100	0	23.61	23.40	23.75	23.79	23.92		
20	64QAM	1	0	23.45	23.24	23.50	23.61	23.77	25	2
20	64QAM	1	49	23.46	23.20	23.44	23.62	23.60		
20	64QAM	1	99	23.25	23.27	23.13	23.45	23.05	24	3
20	64QAM	50	0	22.58	22.32	22.52	22.55	22.65		
20	64QAM	50	24	22.64	22.42	22.57	22.81	22.71	24	3
20	64QAM	50	50	22.57	22.39	22.51	22.77	22.35		
20	64QAM	100	0	22.63	22.39	22.47	22.80	22.55		
Channel										
Frequency (MHz)										
				25935	40173	40620	41056	41515		
15	QPSK	1	0	25.28	25.01	25.52	25.52	25.68	27	0
15	QPSK	1	37	25.25	25.03	25.34	25.36	25.59		
15	QPSK	1	74	25.18	25.04	25.45	25.41	25.38	26	1
15	QPSK	36	0	24.44	24.24	24.65	24.69	24.82		
15	QPSK	36	20	24.55	24.32	24.64	24.71	24.82	26	1
15	QPSK	36	39	24.53	24.27	24.63	24.73	24.82		
15	QPSK	75	0	24.55	24.29	24.67	24.69	24.78	26	1
15	16QAM	1	0	24.69	24.43	24.89	24.94	25.11		
15	16QAM	1	37	24.72	24.45	24.81	24.78	25.03	25	2
15	16QAM	1	74	24.54	24.42	24.75	24.70	25.03		
15	16QAM	36	0	23.46	23.29	23.67	23.70	23.91	25	2
15	16QAM	36	20	23.62	23.32	23.79	23.78	23.89		
15	16QAM	36	39	23.53	23.35	23.70	23.65	23.93	24	3
15	16QAM	75	0	23.59	23.32	23.70	23.78	23.84		
15	64QAM	1	0	23.40	23.15	23.40	23.81	23.75	25	2
15	64QAM	1	37	23.36	23.13	23.29	23.62	23.53		
15	64QAM	1	74	23.22	23.23	23.15	23.40	23.02	24	3
15	64QAM	36	0	22.50	22.31	22.67	22.75	22.91		
15	64QAM	36	20	22.54	22.38	22.56	22.81	22.70	27	0
15	64QAM	36	39	22.49	22.31	22.47	22.67	22.30		
15	64QAM	75	0	22.63	22.38	22.40	22.75	22.50		
Channel										
Frequency (MHz)										
				2591	2547	2593	2639	2685		
10	QPSK	1	0	25.18	25.32	25.47	25.52	25.62	27	0
10	QPSK	1	25	25.15	25.21	25.29	25.28	25.58		
10	QPSK	1	49	25.09	25.12	25.40	25.40	25.32	26	1
10	QPSK	25	0	24.35	24.22	24.56	24.64	24.78		
10	QPSK	25	12	24.48	24.32	24.62	24.62	24.70	25	2
10	QPSK	25	25	24.46	24.27	24.66	24.55	24.82		
10	QPSK	50	0	24.52	24.25	24.60	24.61	24.78	26	1
10	16QAM	1	0	24.62	24.37	24.82	24.90	25.07		
10	16QAM	1	25	24.70	24.35	24.75	24.72	24.99	25	2
10	16QAM	1	49	24.44	24.49	24.36	24.66	24.62		
10	16QAM	25	0	23.62	23.25	23.57	23.73	23.91	24	3
10	16QAM	25	12	23.61	23.28	23.74	23.77	23.84		
10	16QAM	25	25	23.46	23.25	23.62	23.57	23.90	25	2
10	16QAM	50	0	23.52	23.24	23.65	23.75	23.79		
10	64QAM	1	0	23.39	23.08	23.40	23.70	23.70	24	3
10	64QAM	1	25	23.35	23.07	23.36	23.50	23.46		
10	64QAM	1	49	23.15	23.15	23.15	23.40	23.01	25	2
10	64QAM	25	0	22.48	22.25	22.60	22.69	22.90		
10	64QAM	25	12	22.52	22.38	22.50	22.72	22.68	24	3
10	64QAM	25	25	22.44	22.29	22.41	22.61	22.30		
10	64QAM	50	0	22.63	22.38	22.30	22.70	22.46		
Channel										
Frequency (MHz)										
				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.08	25.28	25.47	25.42	25.59	27	0
5	QPSK	1	12	25.05	25.16	25.29	25.20	25.56		
5	QPSK	1	24	25.08	25.08	25.06	25.25	25.15	26	1
5	QPSK	12	0	24.34	24.18	24.56	24.62	24.72		
5	QPSK	12	7	24.46	24.26	24.56	24.61	24.70	25	2
5	QPSK	12	13	24.39	24.18	24.56	24.45	24.74		
5	QPSK	25	0	24.52	24.20	24.57	24.51	24.69	26	1
5	16QAM	1	0	24.53	24.29	24.74	24.90	25.02		
5	16QAM	1	12	24.07	24.29	24.74	24.74	24.92	25	2
5	16QAM	1	24	24.43	24.27	24.73	24.62	24.58		
5	16QAM	12	0	23.36	23.21	23.50	23.72	23.87	24	3
5	16QAM	12	7	23.53	23.26	23.64	23.77	23.76		
5	16QAM	12	13	23.42	23.23	23.55	23.54	23.80	25	2
5	16QAM	25	0	23.50	23.20	23.59	23.73	23.74		
5	64QAM	1	0	23.32	23.07	23.20	23.69	23.64	25	2
5	64QAM	1	12	23.26	23.06	23.33	23.42	23.39		
5	64QAM	1	24	23.09	23.05	23.07	23.36	23.12	24	3
5	64QAM	12	0	22.42	22.19	22.61	22.65	22.29		
5	64QAM	12	7	22.52	22.38	22.59	22.63	22.60	25	2
5	64QAM	12	13	22.44	22.25	22.29	22.56	22.20		
5	64QAM	25	0	22.60	22.28	22.21	22.61	22.41		

Band 41_Ant 2 DSI 2&4&6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40195	40620	41055	41490		
20	QPSK	1	0	22.61	22.03	22.03	22.03	22.06	23.5	0
20	QPSK	1	49	22.55	22.07	22.07	21.94	22.08		
20	QPSK	1	99	22.53	22.07	22.17	21.96	22.21		
20	QPSK	50	0	21.78	21.20	21.17	21.05	21.13	22.5	1
20	QPSK	50	24	21.76	21.22	21.25	21.06	21.16		
20	QPSK	50	50	21.74	21.20	21.25	21.03	21.24		
20	QPSK	100	0	21.77	21.22	21.24	21.06	21.16	22.5	1
20	16QAM	1	0	21.77	21.19	21.26	21.16	21.20		
20	16QAM	1	49	21.70	21.14	21.18	21.01	21.20		
20	16QAM	1	99	21.73	21.17	21.27	21.06	21.29	21.5	2
20	16QAM	50	0	20.80	20.24	20.20	20.13	20.18		
20	16QAM	50	24	20.78	20.25	20.26	20.10	20.20		
20	16QAM	50	50	20.77	20.24	20.28	20.08	20.29	21.5	2
20	16QAM	100	0	20.81	20.24	20.26	20.09	20.18		
20	64QAM	1	0	20.48	19.87	19.97	19.83	19.95	21.5	2
20	64QAM	1	49	20.48	19.90	19.91	19.82	19.98		
20	64QAM	1	99	20.46	19.92	19.97	19.83	20.08		
20	64QAM	50	0	19.80	19.25	19.22	19.13	19.20	20.5	3
20	64QAM	50	24	19.81	19.25	19.29	19.12	19.21		
20	64QAM	50	50	19.79	19.27	19.30	19.08	19.28		
20	64QAM	100	0	19.82	19.26	19.29	19.10	19.21		
Channel										
Frequency (MHz)				39750	40173	40620	41066	41515	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.54	21.95	22.05	22.00	22.06	23.5	0
15	QPSK	1	37	22.65	22.05	22.06	21.89	21.98	23.5	0
15	QPSK	1	74	22.59	21.98	22.12	21.89	22.20		
15	QPSK	36	0	21.67	21.10	21.17	21.05	21.11		
15	QPSK	36	20	21.75	21.13	21.22	21.05	21.06	22.5	1
15	QPSK	36	39	21.74	21.18	21.17	21.01	21.14		
15	QPSK	75	0	21.75	21.21	21.17	20.98	21.08		
15	16QAM	1	0	21.73	21.11	21.19	21.06	21.13	22.5	1
15	16QAM	1	37	21.62	21.12	21.08	20.97	21.19		
15	16QAM	1	74	21.70	21.09	21.26	21.02	21.25		
15	16QAM	36	0	20.75	20.19	20.16	20.08	20.16	21.5	2
15	16QAM	36	20	20.70	20.19	20.21	20.04	20.13		
15	16QAM	36	39	20.72	20.19	20.18	20.07	20.23		
15	16QAM	75	0	20.74	20.22	20.20	20.06	20.14	21.5	2
15	64QAM	1	0	20.47	19.79	19.89	19.82	19.93		
15	64QAM	1	37	20.43	19.88	19.89	19.81	19.88		
15	64QAM	1	74	20.39	19.92	19.95	19.77	20.08	20.5	3
15	64QAM	36	0	19.73	19.25	19.19	19.06	19.12		
15	64QAM	36	20	19.75	19.22	19.20	19.02	19.12		
15	64QAM	36	39	19.75	19.21	19.28	19.02	19.22	Turn-up limit (dBm)	MPR (dB)
15	64QAM	75	0	19.79	19.25	19.28	19.07	19.20		
Channel				39700	40160	40620	41030	41480		
10	QPSK	1	0	22.61	21.96	22.07	22.00	21.96	23.5	0
10	QPSK	1	25	22.56	22.02	22.04	21.88	22.00		
10	QPSK	1	49	22.55	21.99	22.17	21.92	22.15		
10	QPSK	25	0	21.73	21.16	21.12	21.00	21.03	22.5	1
10	QPSK	25	12	21.76	21.15	21.16	21.01	21.11		
10	QPSK	25	25	21.69	21.14	21.22	20.94	21.19		
10	QPSK	50	0	21.76	21.12	21.14	21.02	21.15	22.5	1
10	16QAM	1	0	21.69	21.19	21.25	21.10	21.20		
10	16QAM	1	25	21.67	21.13	21.12	21.00	21.10		
10	16QAM	1	49	21.66	21.10	21.26	21.04	21.22	21.5	2
10	16QAM	25	0	20.79	20.20	20.13	20.12	20.15		
10	16QAM	25	12	20.72	20.21	20.28	20.07	20.14		
10	16QAM	25	25	20.75	20.16	20.22	20.02	20.22	21.5	2
10	16QAM	50	0	20.80	20.20	20.16	20.06	20.12		
10	64QAM	1	0	20.43	19.86	19.88	19.81	19.89		
10	64QAM	1	25	20.40	19.85	19.82	19.72	19.97	21.5	2
10	64QAM	1	49	20.44	19.84	19.92	19.82	20.01		
10	64QAM	25	0	19.71	19.16	19.15	19.03	19.12		
10	64QAM	25	12	19.75	19.15	19.22	19.02	19.16	20.5	3
10	64QAM	25	25	19.76	19.24	19.23	19.07	19.19		
10	64QAM	50	0	19.72	19.23	19.27	19.07	19.15		
Channel										
Frequency (MHz)				39875	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.56	22.01	22.13	21.96	22.05	23.5	0
5	QPSK	1	12	22.65	22.01	22.04	21.84	22.02		
5	QPSK	1	24	22.62	22.03	22.11	21.96	22.12		
5	QPSK	12	0	21.69	21.11	21.17	21.02	21.11	22.5	1
5	QPSK	12	7	21.69	21.21	21.18	20.98	21.10		
5	QPSK	12	13	21.66	21.19	21.25	20.93	21.16		
5	QPSK	25	0	21.72	21.19	21.23	20.97	21.07	22.5	1
5	16QAM	1	0	21.75	21.16	21.24	21.06	21.18		
5	16QAM	1	12	21.63	21.14	21.08	20.97	21.15		
5	16QAM	1	24	21.71	21.17	21.26	21.03	21.29	21.5	2
5	16QAM	12	0	20.80	20.19	20.14	20.06	20.16		
5	16QAM	12	7	20.99	20.17	20.18	20.03	20.14		
5	16QAM	12	13	20.71	20.20	20.21	20.04	20.23	21.5	2
5	16QAM	25	0	20.78	20.16	20.26	19.99	20.14		
5	64QAM	1	0	20.43	19.78	19.97	19.73	19.92		
5	64QAM	1	12	20.41	19.85	19.89	19.77	19.96	21.5	2
5	64QAM	1	24	20.45	19.88	19.94	19.78	20.04		
5	64QAM	12	0	19.70	19.15	19.17	19.07	19.12		
5	64QAM	12	7	19.81	19.21	19.28	19.09	19.21	20.5	3
5	64QAM	12	13	19.78	19.24	19.30	18.98	19.19		
5	64QAM	25	0	19.75	19.17	19.25	19.01	19.19		

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
	Frequency (MHz)			39750	40185	40620	41065	41490		
20	QPSK	1	0	23.94	23.43	23.59	23.34	22.74	25	0
20	QPSK	1	49	23.81	23.39	23.48	23.03	22.65		
20	QPSK	1	99	23.62	23.38	23.46	23.31	22.34		
20	QPSK	50	0	22.96	22.63	22.72	22.41	21.88	24	1
20	QPSK	50	24	23.01	22.70	22.75	22.32	21.87		
20	QPSK	50	50	22.92	22.66	22.68	22.15	21.90		
20	QPSK	100	0	22.99	22.70	22.73	22.31	21.88	24	1
20	16QAM	1	0	23.24	22.84	23.05	22.70	22.13		
20	16QAM	1	49	23.15	22.80	22.89	22.39	22.05		
20	16QAM	1	99	22.94	22.80	22.81	22.20	22.10	23	2
20	16QAM	50	0	22.02	21.67	21.75	21.48	20.96		
20	16QAM	50	24	22.04	21.76	21.82	21.30	20.95		
20	16QAM	50	50	21.98	21.73	21.73	21.24	21.00	23	2
20	16QAM	100	0	22.04	21.74	21.80	21.33	20.93		
20	64QAM	1	0	23.09	22.70	21.65	21.26	20.93		
20	64QAM	1	49	22.97	22.66	21.64	21.12	20.73	23	2
20	64QAM	1	99	22.91	22.63	21.63	21.30	20.94		
20	64QAM	50	0	21.94	21.63	20.77	20.45	19.94		
20	64QAM	50	24	22.00	20.74	20.79	20.27	19.95	22	3
20	64QAM	50	50	21.91	20.71	20.74	20.08	19.59		
20	64QAM	100	0	22.06	20.74	20.76	20.06	19.73		
Channel										
	Frequency (MHz)			39750	40173	40620	41068	41515	100%+10% limit (dBm)	MPR (dB)
15	QPSK	1	0	23.90	23.40	23.55	23.33	22.70	25	0
15	QPSK	1	37	23.77	23.30	23.42	22.93	22.56		
15	QPSK	1	74	23.56	23.32	23.39	22.77	22.34		
15	QPSK	36	0	22.88	22.60	22.68	22.33	21.83	24	1
15	QPSK	36	25	22.83	22.60	22.60	22.15	21.78		
15	QPSK	36	39	22.82	22.66	22.68	22.05	21.67		
15	QPSK	75	0	22.90	22.70	22.67	22.27	21.78	24	1
15	16QAM	1	0	23.19	22.75	23.04	22.61	22.03		
15	16QAM	1	37	23.10	22.76	22.81	22.34	22.01		
15	16QAM	1	74	22.94	22.78	22.74	22.19	22.08	23	2
15	16QAM	36	0	21.95	21.67	21.67	21.20	20.94		
15	16QAM	36	20	21.94	21.71	21.79	21.29	20.94		
15	16QAM	36	39	21.94	21.70	21.73	21.16	20.94	23	2
15	16QAM	75	0	21.94	21.71	21.76	21.23	20.89		
15	64QAM	1	0	23.01	22.70	21.58	21.21	20.89		
15	64QAM	1	37	22.90	22.65	21.63	21.20	20.88	23	2
15	64QAM	1	74	22.81	22.58	20.95	20.31	19.92		
15	64QAM	36	0	21.86	21.55	20.75	20.41	19.94		
15	64QAM	36	20	21.95	20.68	20.79	20.22	19.95	22	3
15	64QAM	36	39	21.83	20.70	20.72	19.98	19.50		
15	64QAM	75	0	22.90	20.67	20.70	20.08	19.59		
Channel										
	Frequency (MHz)			2501	2547	2593	2639	2685	100%+10% limit (dBm)	MPR (dB)
10	QPSK	1	0	23.85	23.38	23.47	23.29	22.66	25	0
10	QPSK	1	25	23.68	23.24	23.36	22.93	22.47		
10	QPSK	1	49	23.53	23.26	23.33	22.69	22.31		
10	QPSK	1	49	22.82	22.57	22.57	22.14	21.80	24	1
10	QPSK	25	12	22.85	22.60	22.66	22.25	21.91		
10	QPSK	25	25	22.88	22.65	22.60	21.96	21.79		
10	QPSK	50	0	22.81	22.67	22.64	22.19	21.78	24	1
10	16QAM	1	0	23.13	22.68	22.97	22.60	22.01		
10	16QAM	1	25	23.03	22.74	22.72	22.32	21.97		
10	16QAM	1	49	22.85	22.69	22.72	22.19	21.86	23	2
10	16QAM	25	0	21.90	21.66	21.68	21.29	20.78		
10	16QAM	25	12	21.92	21.68	21.70	21.21	20.93		
10	16QAM	25	25	21.94	21.65	21.66	21.08	20.91	23	2
10	16QAM	50	0	21.84	21.67	21.67	21.19	20.80		
10	64QAM	1	0	22.95	22.70	21.62	21.20	20.87		
10	64QAM	1	25	22.88	22.64	21.62	20.97	20.68	23	2
10	64QAM	1	49	22.79	22.54	20.91	20.26	19.86		
10	64QAM	25	0	21.84	21.47	20.67	20.30	19.84		
10	64QAM	25	12	21.87	20.63	20.27	20.26	19.86	22	3
10	64QAM	25	25	21.73	20.66	20.67	19.80	19.48		
10	64QAM	50	0	21.98	20.59	20.61	20.02	19.68		
Channel										
	Frequency (MHz)			39675	40148	40620	41063	41565	100%+10% limit (dBm)	MPR (dB)
5	QPSK	1	0	24.985	25.458	25.93	26.4030	26.875	25	0
5	QPSK	1	12	23.80	23.30	23.40	23.20	22.56		
5	QPSK	1	24	23.98	23.17	23.27	22.62	22.37		
5	QPSK	1	49	23.50	23.38	23.38	22.92	22.37	24	1
5	QPSK	12	0	22.82	22.55	22.51	22.27	21.75		
5	QPSK	12	7	22.82	22.57	22.57	22.15	21.63		
5	QPSK	12	13	22.84	22.65	22.58	21.96	21.71	24	1
5	QPSK	25	0	22.81	22.61	22.55	22.17	21.78		
5	16QAM	1	0	23.08	22.66	22.97	22.62	22.19		
5	16QAM	1	12	22.95	22.74	22.70	22.30	21.99	24	1
5	16QAM	1	24	22.78	22.68	22.65	22.14	21.96		
5	16QAM	12	0	21.88	21.63	21.60	21.21	20.76		
5	16QAM	12	13	21.91	21.59	21.63	21.18	20.85	23	2
5	16QAM	12	7	21.94	21.59	21.63	21.00	20.90		
5	16QAM	25	0	21.80	21.63	21.63	21.02	20.71		
5	64QAM	1	0	22.95	22.65	21.48	21.17	20.87	23	2
5	64QAM	1	12	22.87	22.55	21.58	20.89	20.63		
5	64QAM	1	24	22.75	22.50	20.87	20.21	19.78		
5	64QAM	12	0	21.74	21.47	20.67	20.28	19.75	22	3
5	64QAM	12	8	21.81	21.47	20.58	20.20	19.82		
5	64QAM	12	13	21.64	20.61	20.62	19.82	19.44		
5	64QAM	25	0	21.96	20.52	20.55	19.97	19.65		

Band 48 (3.5G Band)_Ant 1 DSI 2&4&6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				55340	55830	56150	56640					
Frequency (MHz)				3550	3609	3641	3690					
20	QPSK	1	0	23.93	23.97	23.91	23.89	24	0			
20	QPSK	1	49	23.81	23.85	23.80	23.75					
20	QPSK	1	99	23.79	23.76	23.69	23.65					
20	QPSK	50	0	21.48	21.51	21.44	21.41					
20	QPSK	50	24	21.48	21.44	21.38	21.35	23	1			
20	QPSK	50	50	21.39	21.36	21.25	21.28					
20	QPSK	100	0	21.44	21.44	21.39	21.36					
20	16QAM	1	0	21.68	21.64	21.62	21.61					
20	16QAM	1	49	21.57	21.56	21.45	21.46	23	1			
20	16QAM	1	99	21.46	21.42	21.36	21.75					
20	16QAM	50	0	20.54	20.53	20.50	20.46					
20	16QAM	50	24	20.51	20.51	20.44	20.43					
20	16QAM	50	50	20.45	20.41	20.28	20.33	22	2			
20	16QAM	100	0	20.48	20.48	20.46	20.37					
20	64QAM	1	0	20.41	20.38	20.31	20.28					
20	64QAM	1	49	20.41	20.38	20.31	20.28					
20	64QAM	1	99	20.33	20.27	20.14	20.14	21	3			
20	64QAM	50	0	19.54	19.54	19.53	19.47					
20	64QAM	50	24	19.54	19.49	19.48	19.42					
20	64QAM	50	50	19.48	19.42	19.31	19.36					
20	64QAM	100	0	19.51	19.46	19.45	19.43	Tune-up limit (dBm)	MPR (dB)			
Channel				55315	55820	56160	56655					
Frequency (MHz)				3557.5	3608	3642	3692.5	24	0			
15	QPSK	1	0	23.90	23.93	23.88	23.84					
15	QPSK	1	37	23.75	23.80	23.78	23.71					
15	QPSK	1	74	23.77	23.76	23.63	23.65					
15	QPSK	36	0	21.40	21.41	21.35	21.32	23	1			
15	QPSK	36	20	21.48	21.43	21.31	21.35					
15	QPSK	36	39	21.36	21.30	21.23	21.23					
15	QPSK	75	0	21.40	21.39	21.34	21.36					
15	16QAM	1	0	21.59	21.63	21.52	21.53	23	1			
15	16QAM	1	37	21.55	21.55	21.39	21.42					
15	16QAM	1	74	21.38	21.40	21.30	21.21					
15	16QAM	36	0	20.54	20.44	20.49	20.43					
15	16QAM	36	20	20.51	20.47	20.42	20.39	22	2			
15	16QAM	36	39	20.41	20.36	20.28	20.32					
15	16QAM	75	0	20.46	20.47	20.46	20.36					
15	64QAM	1	0	20.42	20.47	20.39	20.42					
15	64QAM	1	37	20.38	20.35	20.30	20.26	22	2			
15	64QAM	1	74	20.30	20.17	20.13	20.10					
15	64QAM	36	0	19.47	19.47	19.44	19.46					
15	64QAM	36	20	19.46	19.46	19.47	19.32					
15	64QAM	36	39	19.39	19.32	19.25	19.32	21	3			
15	64QAM	75	0	19.45	19.41	19.37	19.33					
Channel				55290	55815	56165	56690					
Frequency (MHz)				3555	3607.5	3642.5	3695	24	0			
10	QPSK	1	0	23.91	23.88	23.82	23.80					
10	QPSK	1	25	23.75	23.84	23.71	23.75					
10	QPSK	1	49	23.69	23.74	23.63	23.57					
10	QPSK	25	0	21.45	21.45	21.37	21.36	23	1			
10	QPSK	25	12	21.38	21.35	21.36	21.26					
10	QPSK	25	25	21.36	21.30	21.19	21.18					
10	QPSK	50	0	21.39	21.43	21.38	21.30					
10	16QAM	1	0	21.64	21.60	21.61	21.55	23	1			
10	16QAM	1	25	21.48	21.51	21.45	21.44					
10	16QAM	1	49	21.36	21.32	21.32	21.27					
10	16QAM	25	0	20.44	20.48	20.44	20.44					
10	16QAM	25	12	20.45	20.48	20.42	20.38	22	2			
10	16QAM	25	25	20.40	20.34	20.23	20.27					
10	16QAM	50	0	20.42	20.39	20.46	20.35					
10	64QAM	1	0	20.44	20.48	20.38	20.34					
10	64QAM	1	25	20.35	20.28	20.30	20.18	22	2			
10	64QAM	1	49	20.27	20.25	20.09	20.11					
10	64QAM	25	0	19.51	19.46	19.43	19.46					
10	64QAM	25	12	19.54	19.46	19.38	19.37					
10	64QAM	25	25	19.38	19.34	19.27	19.36	21	3			
10	64QAM	50	0	19.42	19.41	19.38	19.42					
Channel				55265	55810	56170	56715					
Frequency (MHz)				3552.5	3607	3643	3697.5	24	0			
5	QPSK	1	0	23.86	23.84	23.81	23.86					
5	QPSK	1	12	23.78	23.75	23.73	23.69					
5	QPSK	1	24	23.79	23.70	23.67	23.57					
5	QPSK	12	0	21.41	21.45	21.35	21.37	23	1			
5	QPSK	12	7	21.46	21.40	21.30	21.29					
5	QPSK	12	13	21.31	21.33	21.18	21.18					
5	QPSK	25	0	21.37	21.41	21.36	21.27					
5	16QAM	1	0	21.63	21.61	21.61	21.53	23	1			
5	16QAM	1	12	21.49	21.54	21.42	21.38					
5	16QAM	1	24	21.44	21.35	21.34	21.22					
5	16QAM	12	0	20.47	20.52	20.46	20.41					
5	16QAM	12	7	20.41	20.41	20.42	20.37	22	2			
5	16QAM	12	13	20.41	20.41	20.21	20.25					
5	16QAM	25	0	20.48	20.45	20.46	20.37					
5	64QAM	1	0	20.46	20.51	20.37	20.37					
5	64QAM	1	12	20.40	20.37	20.26	20.22	22	2			
5	64QAM	1	24	20.30	20.21	20.10	20.12					
5	64QAM	12	0	19.52	19.46	19.46	19.44					
5	64QAM	12	7	19.53	19.42	19.47	19.42					
5	64QAM	12	13	19.38	19.41	19.25	19.33	21	3			
5	64QAM	25	0	19.48	19.38	19.39	19.36					

Band 48 (3.5G Band)_Ant 2 DSI 2&4&6&3&5															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power High Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				55340	55830	56150	56640								
Frequency (MHz)				3550	3609	3641	3690								
20	QPSK	1	0	20.93	20.93	20.90	20.89	22	0						
20	QPSK	1	49	20.86	20.84	20.80	20.79								
20	QPSK	1	99	20.75	20.72	20.68	20.66								
20	QPSK	50	0	16.36	16.38	16.34	16.32								
20	QPSK	50	24	18.33	18.34	18.29	18.28	21	1						
20	QPSK	50	50	16.20	16.19	16.21	16.19								
20	QPSK	100	0	18.23	18.29	18.28	18.26								
20	16QAM	1	0	18.36	18.41	18.37	18.34								
20	16QAM	1	49	18.25	18.25	18.24	18.24	21	1						
20	16QAM	1	99	18.17	18.15	18.10	18.11								
20	16QAM	50	0	17.38	17.41	17.37	17.35								
20	16QAM	50	24	17.33	17.36	17.34	17.33								
20	16QAM	50	50	17.24	17.22	17.26	17.25	20	2						
20	16QAM	100	0	17.28	17.28	17.30	17.29								
20	84QAM	1	0	17.11	17.15	17.09	17.08								
20	84QAM	1	49	17.00	16.98	16.96	16.97								
20	84QAM	1	99	16.86	16.82	16.78	16.82	20	2						
20	84QAM	50	0	16.41	16.42	16.40	16.38								
20	84QAM	50	24	16.38	16.38	16.36	16.34								
20	84QAM	50	50	16.24	16.24	16.27	16.25								
20	84QAM	100	0	16.23	16.23	16.25	16.32	19	3						
Channel				55315	55810	56160	56665						Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				35575	3608	3642	3692.5								
15	QPSK	1	0	20.87	20.90	20.89	20.79						22	0	
15	QPSK	1	37	20.81	20.74	20.77	20.78								
15	QPSK	1	74	20.69	20.65	20.58	20.63								
15	QPSK	36	0	18.34	18.29	18.29	18.23								
15	QPSK	36	20	18.31	18.24	18.23	18.26	21	1						
15	QPSK	36	39	18.11	18.09	18.12	18.09								
15	QPSK	75	0	18.22	18.25	18.23	18.25								
15	16QAM	1	0	18.28	18.36	18.33	18.30								
15	16QAM	1	37	18.22	18.19	18.19	18.19	21	1						
15	16QAM	1	74	18.15	18.15	18.04	18.02								
15	16QAM	36	0	17.34	17.37	17.35	17.30								
15	16QAM	36	20	17.32	17.26	17.30	17.29								
15	16QAM	36	39	17.20	17.17	17.19	17.17	20	2						
15	16QAM	75	0	17.27	17.23	17.26	17.21								
15	84QAM	1	0	17.07	17.11	17.07	17.02								
15	84QAM	1	37	16.96	16.91	16.92	16.87								
15	84QAM	1	74	16.83	16.79	16.76	16.74	19	3						
15	84QAM	36	0	16.40	16.36	16.40	16.28								
15	84QAM	36	20	16.37	16.38	16.32	16.30								
15	84QAM	36	39	16.29	16.22	16.20	16.18								
15	84QAM	75	0	16.23	16.20	16.23	16.31	Tune-up limit (dBm)		MPR (dB)					
Channel				55290	55815	56165	56690								
Frequency (MHz)				35550	3607.5	3642.5	3695								
10	QPSK	1	0	20.85	20.88	20.84	20.85	22	0						
10	QPSK	1	25	20.81	20.84	20.78	20.77								
10	QPSK	1	49	20.72	20.64	20.58	20.65								
10	QPSK	25	0	18.28	18.32	18.28	18.30								
10	QPSK	25	12	18.23	18.34	18.24	18.28	21	1						
10	QPSK	25	25	18.11	18.19	18.20	18.11								
10	QPSK	50	0	18.16	18.21	18.23	18.20								
10	16QAM	1	0	18.28	18.34	18.28	18.27								
10	16QAM	1	25	18.23	18.17	18.14	18.21	21	1						
10	16QAM	1	49	18.10	18.07	18.05	18.09								
10	16QAM	25	0	17.32	17.35	17.31	17.31								
10	16QAM	25	12	17.31	17.36	17.33	17.24								
10	16QAM	25	25	17.14	17.21	17.24	17.25	20	2						
10	16QAM	50	0	17.25	17.23	17.25	17.22								
10	84QAM	1	0	17.10	17.14	17.02	17.01								
10	84QAM	1	25	16.96	16.95	16.91	16.90								
10	84QAM	1	49	16.79	16.80	16.77	16.79	20	2						
10	84QAM	25	0	16.38	16.32	16.32	16.35								
10	84QAM	25	12	16.28	16.38	16.32	16.34								
10	84QAM	25	25	16.15	16.20	16.18	16.25								
10	84QAM	50	0	16.20	16.24	16.27	16.23	19	3						
Channel				55265	55810	56170	56715						Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5								
5	QPSK	1	0	20.84	20.83	20.86	20.81						22	0	
5	QPSK	1	12	20.84	20.85	20.86	20.72								
5	QPSK	1	24	20.75	20.72	20.66	20.63								
5	QPSK	12	0	18.33	18.29	18.30	18.24								
5	QPSK	12	7	18.24	18.32	18.23	18.22	21	1						
5	QPSK	12	13	18.20	18.18	18.14	18.09								
5	QPSK	25	0	18.21	18.19	18.24	18.19								
5	16QAM	1	0	18.26	18.34	18.27	18.29								
5	16QAM	1	12	18.16	18.18	18.20	18.15	21	1						
5	16QAM	1	24	18.08	18.15	18.08	18.04								
5	16QAM	12	0	17.33	17.41	17.29	17.28								
5	16QAM	12	7	17.24	17.31	17.29	17.27								
5	16QAM	12	13	17.16	17.17	17.16	17.15	20	2						
5	16QAM	25	0	17.15	17.26	17.17	17.19								
5	84QAM	1	0	17.11	17.05	17.09	17.07								
5	84QAM	1	12	17.00	16.90	16.87	16.95								
5	84QAM	1	24	16.86	16.82	16.70	16.82	20	2						
5	84QAM	12	0	16.41	16.41	16.38	16.30								
5	84QAM	12	7	16.37	16.38	16.35	16.26								
5	84QAM	12	13	16.17	16.21	16.19	16.21								
5	84QAM	25	0	16.25	16.20	16.24	16.30	19	3						

DSI 3

GSM1900	Burst Average Power (dbm)				Tune-up Limit (dbm)	Frame-Average Power (dbm)				Tune-up Limit (dbm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		29.42	29.32	29.19	30.50	20.42	20.32	20.19	21.50	
GPRS 1 Tx slot		29.44	29.41	29.20	30.50	20.44	20.41	20.20	21.50	
GPRS 2 Tx slots		28.32	28.34	28.15	28.50	22.32	22.34	22.15	22.50	
GPRS 3 Tx slots		26.51	26.53	26.32	27.20	22.25	22.27	22.06	22.94	
GPRS 4 Tx slots		24.92	24.41	23.80	25.20	21.92	21.41	20.80	22.29	
EDGE 1 Tx slot		25.67	25.60	25.42	26.00	16.67	16.60	16.42	17.94	
EDGE 2 Tx slots		24.50	24.48	24.32	24.50	18.50	18.48	18.32	18.50	
EDGE 3 Tx slots		22.73	22.71	22.36	23.00	18.47	18.45	18.10	18.74	
EDGE 4 Tx slots		21.29	21.13	21.11	21.50	18.29	18.13	18.11	18.50	

	Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
		TX Channel	9262	9400		9538	1312	1413		1513
		Rx Channel	9662	9800		9938	1537	1638		1738
Frequency (MHz)		1852.4	1880	1909.8	21.60	21.16	21.23	21.08		
3GPP Rel 99	AMR 12.2Kbps	20.46	20.40	20.48	21.60	21.16	21.23	21.08	22.20	
3GPP Rel 99	RMC 12.2Kbps	20.52	20.51	20.51	21.60	21.24	21.24	21.23	22.20	
3GPP Rel 6	HSDPA Subtest-1	20.00	20.01	20.03	20.60	20.72	20.74	20.66	21.20	
3GPP Rel 6	HSDPA Subtest-2	19.98	19.98	20.00	20.60	20.69	20.69	20.56	21.20	
3GPP Rel 6	HSDPA Subtest-3	19.48	19.47	19.52	20.10	20.18	20.18	20.16	20.70	
3GPP Rel 6	HSDPA Subtest-4	19.42	19.44	19.50	20.10	20.17	20.16	20.16	20.70	
3GPP Rel 8	DC-HSDPA Subtest-1	20.01	19.98	20.06	20.60	20.72	20.72	20.61	21.20	
3GPP Rel 8	DC-HSDPA Subtest-2	20.00	19.99	20.01	20.60	20.70	20.71	20.63	21.20	
3GPP Rel 8	DC-HSDPA Subtest-3	19.54	19.47	19.51	20.10	20.18	20.23	20.17	20.70	
3GPP Rel 8	DC-HSDPA Subtest-4	19.52	19.46	19.52	20.10	20.21	20.21	20.16	20.70	
3GPP Rel 6	HSPA Subtest-1	20.44	20.45	20.01	20.60	20.32	20.48	20.33	21.20	
3GPP Rel 6	HSPA Subtest-2	18.42	18.24	18.12	18.60	18.26	18.27	18.32	19.20	
3GPP Rel 6	HSPA Subtest-3	19.46	18.99	19.03	19.60	19.29	19.19	19.36	20.20	
3GPP Rel 6	HSPA Subtest-4	18.47	18.29	18.11	18.60	18.34	18.35	18.31	19.20	
3GPP Rel 6	HSPA Subtest-5	20.42	20.52	20.03	20.60	20.33	20.49	20.29	21.20	

Band	CDMA BC0				Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		25	600	1175		476	580	684		
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1		
RC1 S055	23.20	23.47	23.41	24.60	19.87	19.89	20.03	20.90	22.27	22.33	23.00	23.00	
RC3 S055	23.18	23.39	23.38	24.60	19.82	19.85	20.04	20.90	22.24	22.28	22.29	23.00	
RC3 S032 (F+SCH)	23.23	23.50	23.45	24.60	20.00	19.93	20.02	20.90	22.24	22.29	22.28	23.00	
RC3 S032 (S+SCH)	23.21	23.49	23.43	24.60	20.01	19.96	20.04	20.90	22.25	22.29	22.28	23.00	
RTAP 153.6Kbps	23.08	23.32	23.30	24.60	19.85	19.87	19.86	20.90	22.08	22.11	22.11	23.00	
RETAP 4096Bps	23.25	23.49	23.48	24.60	20.05	19.98	20.08	20.90	22.27	22.31	22.31	23.00	

DS15

GSM1900	Burst Average Power (dbm)				Tune-up Limit (dbm)	Frame-Average Power (dbm)				Tune-up Limit (dbm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		455.2	455.2	455.2		455.2	455.2	455.2		
GSM 1 Tx slot		29.42	29.38	29.11	29.50	20.42	20.38	20.11	20.50	
GPRS 1 Tx slot		29.43	29.42	29.19	29.50	20.43	20.42	20.19	20.50	
GPRS 2 Tx slots		26.40	26.40	26.37	26.50	20.40	20.40	20.37	20.50	
GPRS 3 Tx slots		24.25	24.27	24.14	25.00	19.99	20.01	19.88	20.74	
GPRS 4 Tx slots		23.35	22.89	22.12	23.50	20.35	19.89	19.12	20.50	
EDGE 1 Tx slot		25.33	25.40	25.14	26.00	16.33	16.40	16.14	20.20	
EDGE 2 Tx slots		24.31	24.26	24.29	24.50	18.31	18.26	18.29	18.50	
EDGE 3 Tx slots		22.23	22.66	22.21	23.00	17.97	18.40	17.95	18.74	
EDGE 4 Tx slots		21.18	21.06	21.01	21.50	18.18	18.06	18.01	18.94	

Band	CDMA BC0				Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 S055		22.14	22.36	22.35	23.40	20.19	20.19	20.35	21.20	22.27	22.33	22.32	23.20
RC3 S055		22.11	22.33	22.34	23.40	20.31	20.24	20.30	21.20	22.23	22.29	22.30	23.20
RC3 S032 (F+SCH)		22.17	22.39	22.36	23.40	20.22	20.25	20.22	21.20	22.23	22.29	22.30	23.20
RC3 S032 (S+SCH)		22.15	22.37	22.34	23.40	20.32	20.26	20.35	21.20	22.25	22.29	22.30	23.20
RTAP 153.6Kbps		22.20	22.23	22.18	23.40	20.17	20.08	20.16	21.20	22.07	22.12	22.12	23.20
RETAP 4096Bits		22.38	22.41	22.36	23.40	20.34	20.28	20.36	21.20	22.24	22.30	22.30	23.20

Band	WCDMA II				Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	TX Channel Rx Channel	9262 9662	9400 9800	9538 9938		1312 1537	1413 1638	1513 1738	
Frequency (MHz)									
3GPP Rel 99	AMR 12.2Kbps	21.02	20.70	20.78	22.00	20.61	20.63	20.44	21.60
3GPP Rel 99	RMC 12.2Kbps	21.10	20.79	21.06	22.00	20.65	20.66	20.48	21.60
3GPP Rel 6	HSDPA Subtest-1	20.59	20.29	20.33	21.00	20.19	20.17	19.90	20.60
3GPP Rel 6	HSDPA Subtest-2	20.58	20.26	20.31	21.00	20.18	20.16	19.98	20.60
3GPP Rel 6	HSDPA Subtest-3	20.06	19.76	19.89	20.50	19.58	19.60	19.44	19.60
3GPP Rel 6	HSDPA Subtest-4	20.08	19.76	19.88	20.50	19.58	19.54	19.46	19.60
3GPP Rel 8	DC-HSDPA Subtest-1	20.61	20.23	20.36	21.00	20.21	20.15	19.92	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.59	20.22	20.37	21.00	20.16	20.13	19.90	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.06	19.77	19.85	20.50	19.72	19.66	19.42	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.01	19.77	19.84	20.50	19.71	19.62	19.48	20.50
3GPP Rel 6	HSPA Subtest-1	20.61	20.27	20.32	21.00	20.20	20.16	19.91	21.00
3GPP Rel 6	HSPA Subtest-2	18.61	18.26	18.33	19.00	18.19	18.17	17.92	18.60
3GPP Rel 6	HSPA Subtest-3	19.62	19.29	19.34	20.00	18.18	18.19	18.96	20.60
3GPP Rel 6	HSPA Subtest-4	18.63	18.26	18.34	19.00	18.16	18.16	17.95	18.60
3GPP Rel 6	HSPA Subtest-5	20.63	20.29	20.33	21.00	20.12	20.15	19.92	21.60

Band 2_Ant 2 DSI 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
1800 1800 1900											
20	QPSK	1	0	20.05	20.05	20.05	21.3	0			
20	QPSK	1	49	20.28	20.10	20.15					
20	QPSK	1	99	20.17	20.06	20.13					
20	QPSK	50	0	20.51	20.28	20.25	21.3	0			
20	QPSK	50	24	20.46	20.29	20.39					
20	QPSK	50	50	20.35	20.28	20.34					
20	QPSK	100	0	20.50	20.27	20.27	21.3	0			
20	16QAM	1	0	20.80	20.58	20.66					
20	16QAM	1	49	20.64	20.47	20.55					
20	16QAM	1	99	20.52	20.42	20.54	21.3	0			
20	16QAM	50	0	20.53	20.25	20.27					
20	16QAM	50	24	20.50	20.32	20.37					
20	16QAM	50	50	20.37	20.28	20.36	21.3	0			
20	16QAM	100	0	20.48	20.28	20.27					
20	64QAM	1	0	20.64	20.46	20.41					
20	64QAM	1	49	20.45	20.33	20.34	21.3	0			
20	64QAM	1	99	20.32	20.32	20.36					
20	64QAM	50	0	20.14	19.91	19.90					
20	64QAM	50	24	20.10	19.92	19.98	21	0.3			
20	64QAM	50	50	19.98	19.89	19.96					
20	64QAM	100	0	20.09	19.89	19.90					
Channel											
Frequency (MHz)											
1800 1800 1900											
15	QPSK	1	0	20.04	20.05	20.03	21.3	0			
15	QPSK	1	37	20.34	20.14	20.22					
15	QPSK	1	74	20.29	20.16	20.21					
15	QPSK	36	0	20.51	20.27	20.23	21.3	0			
15	QPSK	36	20	20.42	20.28	20.29					
15	QPSK	36	39	20.39	20.27	20.36					
15	QPSK	75	0	20.41	20.28	20.35	21.3	0			
15	16QAM	1	0	20.70	20.48	20.52					
15	16QAM	1	37	20.67	20.45	20.52					
15	16QAM	1	74	20.61	20.41	20.57	21.3	0			
15	16QAM	36	0	20.52	20.28	20.24					
15	16QAM	36	20	20.44	20.29	20.30					
15	16QAM	36	39	20.40	20.31	20.37	21.3	0			
15	16QAM	75	0	20.42	20.29	20.26					
15	64QAM	1	0	20.59	20.43	20.35					
15	64QAM	1	37	20.55	20.38	20.40	21.3	0			
15	64QAM	1	74	20.42	20.25	20.26					
15	64QAM	36	0	20.14	19.90	19.90					
15	64QAM	36	20	20.09	19.90	19.93	21	0.3			
15	64QAM	36	39	20.05	19.94	20.02					
15	64QAM	75	0	20.02	19.90	19.89					
Channel											
Frequency (MHz)											
1800 1800 1900											
10	QPSK	1	0	20.06	20.08	20.05	21.3	0			
10	QPSK	1	25	20.33	20.09	20.20					
10	QPSK	1	49	20.24	20.10	20.20					
10	QPSK	25	0	20.45	20.18	20.20	21.3	0			
10	QPSK	25	12	20.42	20.24	20.26					
10	QPSK	25	25	20.41	20.26	20.35					
10	QPSK	25	0	20.74	20.51	20.61	21.3	0			
10	16QAM	1	25	20.67	20.48	20.60					
10	16QAM	1	49	20.72	20.45	20.57					
10	16QAM	25	0	20.47	20.19	20.21	21.3	0			
10	16QAM	25	12	20.42	20.25	20.26					
10	16QAM	25	25	20.42	20.27	20.34					
10	16QAM	50	0	20.40	20.23	20.24	21.3	0			
10	64QAM	1	0	20.60	20.39	20.45					
10	64QAM	1	25	20.65	20.39	20.52					
10	64QAM	1	49	20.51	20.34	20.46	21.3	0			
10	64QAM	25	0	20.14	19.94	19.94					
10	64QAM	25	12	20.04	19.87	19.90					
10	64QAM	25	25	20.01	19.89	19.97	21	0.3			
10	64QAM	50	0	20.03	19.86	19.91					
Channel											
Frequency (MHz)											
1800 1800 1900											
5	QPSK	1	0	20.06	20.08	20.05			21.3	0	
5	QPSK	1	12	20.37	20.13	20.23					
5	QPSK	1	24	20.38	20.18	20.23					
5	QPSK	12	0	20.46	20.18	20.31	21.3	0			
5	QPSK	12	7	20.48	20.25	20.31					
5	QPSK	12	13	20.47	20.22	20.32					
5	QPSK	25	0	20.51	20.25	20.28	21.3	0			
5	16QAM	1	0	20.71	20.40	20.50					
5	16QAM	1	12	20.64	20.44	20.53					
5	16QAM	1	24	20.66	20.44	20.58	21.3	0			
5	16QAM	12	0	20.48	20.21	20.27					
5	16QAM	12	7	20.51	20.32	20.36					
5	16QAM	12	13	20.47	20.26	20.32	21.3	0			
5	16QAM	25	0	20.44	20.24	20.35					
5	64QAM	1	0	20.59	20.37	20.45					
5	64QAM	1	12	20.52	20.32	20.40	21.3	0			
5	64QAM	1	24	20.58	20.36	20.46					
5	64QAM	12	0	20.13	19.94	19.94					
5	64QAM	12	7	20.15	19.92	19.99	21	0.3			
5	64QAM	12	13	20.11	19.86	19.96					
5	64QAM	25	0	20.05	19.83	19.88					
Channel											
Frequency (MHz)											
1800 1800 1900											
3	QPSK	1	0	20.06	20.08	20.05	21.3	0			
3	QPSK	1	8	20.42	20.18	20.26					
3	QPSK	1	14	20.36	20.14	20.21					
3	QPSK	8	0	20.42	20.21	20.29	21.3	0			
3	QPSK	8	4	20.45	20.21	20.31					
3	QPSK	8	7	20.42	20.19	20.27					
3	QPSK	15	0	20.45	20.17	20.29	21.3	0			
3	16QAM	1	0	20.64	20.41	20.53					
3	16QAM	1	8	20.70	20.51	20.56					
3	16QAM	1	14	20.67	20.46	20.51	21.3	0			
3	16QAM	8	0	20.51	20.24	20.35					
3	16QAM	8	4	20.51	20.32	20.36					
3	16QAM	8	7	20.48	20.25	20.35	21.3	0			
3	16QAM	15	0	20.48	20.25	20.30					
3	64QAM	1	0	20.63	20.30	20.44					
3	64QAM	1	8	20.68	20.40	20.51	21.3	0			
3	64QAM	1	14	20.64	20.34	20.43					
3	64QAM	8	0	20.10	19.91	19.94					
3	64QAM	8	4	20.11	19.90	19.98	21	0.3			
3	64QAM	8	7	20.09	19.88	19.96					
3	64QAM	15	0	20.08	19.83	19.90					
Channel											
Frequency (MHz)											
1800 1800 1900											
1.4	QPSK	1	0	20.06	20.08	20.05	21.3	0			
1.4	QPSK	1	5	20.36	20.14	20.21					
1.4	QPSK	3	0	20.42	20.21	20.29					
1.4	QPSK	3	1	20.45	20.21	20.31	21.3	0			
1.4	QPSK	3	3	20.42	20.19	20.27					
1.4	QPSK	6	0	20.41	20.18	20.21					
1.4	16QAM	1	0	20.64	20.41	20.53	21.3	0			
1.4	16QAM	1	3	20.70	20.51	20.56					
1.4	16QAM	1	5	20.67	20.46	20.51					
1.4	16QAM	3	0	20.51	20.24	20.35	21.3	0			
1.4	16QAM	3	1	20.48	20.22	20.36					
1.4	16QAM	3	2	20.45	20.20	20.35					
1.4	16QAM	6	0	19.47	19.92	19.93	21.3	0			
1.4	64QAM	1	0	20.63	20.30	20.44					
1.4	64QAM	1	3	20.68	20.40	20.51					
1.4	64QAM	1	5	20.64	20.34	20.43	21.3	0			
1.4	64QAM	3	0	20.10	19.95	19.94					
1.4	64QAM	3	1	20.10	19.90	19.96					
1.4	64QAM	3	3	20.09	19.88	19.96	21	0.3			
1.4	64QAM	6	0	19.01	18.87	19.91					
1.4	64QAM	6	0	19.01	18.87	19.91					

Band 4_Ant 1 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.20	17.25	17.45			
20	QPSK	1	0	19.39	19.44	19.41			
20	QPSK	1	0	19.24	19.24	19.16			
20	QPSK	1	99	19.21	19.16	19.14			
20	QPSK	50	0	19.46	19.46	19.40			
20	QPSK	50	24	19.46	19.38	19.31			
20	QPSK	50	50	19.36	19.34	19.29			
20	QPSK	100	0	19.42	19.41	19.26			
20	16QAM	1	0	19.79	19.76	19.71			
20	16QAM	1	49	19.60	19.58	19.51			
20	16QAM	1	99	19.58	19.53	19.42			
20	16QAM	50	0	19.47	19.48	19.43			
20	16QAM	50	24	19.49	19.40	19.32			
20	16QAM	50	50	19.41	19.38	19.31			
20	16QAM	100	0	19.44	19.40	19.31			
20	64QAM	1	0	19.62	19.66	19.62			
20	64QAM	1	49	19.48	19.48	19.40			
20	64QAM	1	99	19.45	19.42	19.35			
20	64QAM	50	0	19.47	19.40	19.45			
20	64QAM	50	24	19.51	19.44	19.36			
20	64QAM	50	50	19.43	19.40	19.33			
20	64QAM	100	0	19.48	19.43	19.34			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.15	17.23	17.47			
15	QPSK	1	0	19.21	19.16	19.14			
15	QPSK	1	37	19.21	19.14	19.07			
15	QPSK	1	74	19.17	19.15	19.04			
15	QPSK	36	0	19.46	19.38	19.34			
15	QPSK	36	20	19.43	19.30	19.21			
15	QPSK	36	39	19.26	19.28	19.25			
15	16QAM	1	0	19.40	19.40	19.18			
15	16QAM	1	0	19.77	19.76	19.63			
15	16QAM	1	37	19.52	19.52	19.47			
15	16QAM	1	74	19.50	19.50	19.40			
15	16QAM	36	0	19.46	19.45	19.33			
15	16QAM	36	20	19.45	19.38	19.22			
15	16QAM	36	39	19.31	19.38	19.25			
15	16QAM	75	0	19.38	19.30	19.25			
15	64QAM	1	0	19.52	19.60	19.61			
15	64QAM	1	37	19.47	19.39	19.31			
15	64QAM	1	74	19.27	19.41	19.29			
15	64QAM	36	0	19.47	19.40	19.45			
15	64QAM	36	20	19.51	19.35	19.32			
15	64QAM	36	39	19.43	19.34	19.26			
15	64QAM	75	0	19.38	19.41	19.28			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.15	17.23	17.50			
10	QPSK	1	0	19.21	19.16	19.14			
10	QPSK	1	37	19.17	19.14	19.07			
10	QPSK	25	0	19.46	19.44	19.33			
10	QPSK	25	12	19.45	19.30	19.27			
10	QPSK	25	26	19.31	19.32	19.21			
10	16QAM	1	0	19.39	19.34	19.34			
10	16QAM	1	0	19.69	19.72	19.64			
10	16QAM	1	25	19.51	19.57	19.43			
10	16QAM	1	49	19.49	19.46	19.38			
10	16QAM	25	0	19.38	19.41	19.38			
10	16QAM	25	12	19.44	19.31	19.26			
10	16QAM	25	26	19.38	19.38	19.21			
10	16QAM	50	0	19.44	19.34	19.28			
10	64QAM	1	0	19.54	19.65	19.60			
10	64QAM	1	25	19.39	19.45	19.35			
10	64QAM	1	49	19.45	19.33	19.34			
10	64QAM	25	0	19.47	19.40	19.38			
10	64QAM	25	12	19.43	19.40	19.32			
10	64QAM	25	26	19.42	19.40	19.28			
10	64QAM	50	0	19.40	19.39	19.29			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.20	19.41	19.46			
5	QPSK	1	12	19.16	19.14	19.13			
5	QPSK	1	24	19.17	19.08	19.13			
5	QPSK	12	0	19.42	19.36	19.38			
5	QPSK	12	7	19.39	19.29	19.30			
5	QPSK	12	13	19.29	19.28	19.20			
5	QPSK	25	0	19.39	19.34	19.24			
5	16QAM	1	0	19.69	19.76	19.68			
5	16QAM	1	12	19.51	19.54	19.44			
5	16QAM	1	24	19.52	19.45	19.39			
5	16QAM	12	0	19.42	19.45	19.36			
5	16QAM	12	7	19.48	19.37	19.26			
5	16QAM	12	13	19.38	19.34	19.26			
5	16QAM	25	0	19.37	19.30	19.22			
5	64QAM	1	0	19.60	19.68	19.67			
5	64QAM	1	12	19.40	19.39	19.35			
5	64QAM	1	24	19.36	19.35	19.33			
5	64QAM	12	0	19.44	19.41	19.43			
5	64QAM	12	7	19.48	19.43	19.33			
5	64QAM	12	13	19.37	19.34	19.28			
5	64QAM	25	0	19.46	19.34	19.34			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.24	19.44	19.39			
3	QPSK	1	0	19.20	19.25	19.14			
3	QPSK	1	14	19.18	19.07	19.11			
3	QPSK	8	0	19.37	19.38	19.37			
3	QPSK	8	4	19.38	19.29	19.27			
3	QPSK	8	7	19.36	19.34	19.26			
3	QPSK	16	0	19.39	19.32	19.21			
3	16QAM	1	0	19.72	19.68	19.64			
3	16QAM	1	8	19.57	19.53	19.46			
3	16QAM	1	14	19.55	19.43	19.33			
3	16QAM	8	0	19.47	19.40	19.38			
3	16QAM	8	4	19.48	19.37	19.26			
3	16QAM	8	7	19.41	19.31	19.30			
3	16QAM	16	0	19.42	19.38	19.25			
3	64QAM	1	0	19.58	19.62	19.58			
3	64QAM	1	8	19.41	19.44	19.40			
3	64QAM	1	14	19.43	19.41	19.30			
3	64QAM	8	0	19.39	19.50	19.35			
3	64QAM	8	4	19.47	19.38	19.34			
3	64QAM	8	7	19.36	19.36	19.32			
3	64QAM	16	0	19.44	19.33	19.24			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.17	17.23	17.51			
1.4	QPSK	1	0	19.26	19.40	19.35			
1.4	QPSK	1	0	19.17	19.16	19.16			
1.4	QPSK	1	5	19.19	19.08	19.11			
1.4	QPSK	3	0	19.36	19.40	19.40			
1.4	QPSK	3	1	19.39	19.33	19.31			
1.4	QPSK	3	3	19.33	19.30	19.23			
1.4	QPSK	6	0	19.26	19.40	19.14			
1.4	16QAM	1	0	19.77	19.77	19.62			
1.4	16QAM	1	3	19.53	19.52	19.44			
1.4	16QAM	1	5	19.48	19.50	19.32			
1.4	16QAM	3	0	19.45	19.44	19.34			
1.4	16QAM	3	1	19.39	19.32	19.26			
1.4	16QAM	3	3	19.35	19.35	19.22			
1.4	16QAM	6	0	19.35	19.30	19.30			
1.4	64QAM	1	0	19.54	19.62	19.57			
1.4	64QAM	1	3	19.46	19.46	19.31			
1.4	64QAM	1	5	19.48	19.53	19.27			
1.4	64QAM	3	0	19.44	19.44	19.46			
1.4	64QAM	3	1	19.50	19.42	19.29			
1.4	64QAM	3	3	19.39	19.35	19.27			
1.4	64QAM	6	0	19.39	19.35	19.30			

Band 7_Ant 1 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.93	18.00	18.04			
20	QPSK	1	49	17.97	18.00	18.10	19.5	0	
20	QPSK	1	99	18.10	18.08	18.12			
20	QPSK	50	0	17.97	18.38	18.27			
20	QPSK	50	24	18.10	18.37	18.29			
20	QPSK	50	50	18.21	18.35	18.23	19.5	0	
20	QPSK	100	0	18.10	18.32	18.26			
20	16QAM	1	0	18.22	18.45	18.41			
20	16QAM	1	49	18.28	18.60	18.44	19.5	0	
20	16QAM	1	99	18.43	18.63	18.42			
20	16QAM	50	0	18.00	18.29	18.26			
20	16QAM	50	24	18.13	18.37	18.26			
20	16QAM	50	50	18.19	18.38	18.22	19.5	0	
20	16QAM	100	0	18.11	18.30	18.25			
20	64QAM	1	0	18.29	18.53	18.33			
20	64QAM	1	49	18.19	18.46	18.32	19.5	0	
20	64QAM	1	99	18.34	18.43	18.31			
20	64QAM	50	0	18.02	18.29	18.30			
20	64QAM	50	24	18.16	18.38	18.33	19.5	0	
20	64QAM	50	50	18.24	18.31	18.28			
20	64QAM	100	0	18.14	18.31	18.28			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.83	18.00	18.04			
15	QPSK	1	37	17.84	18.23	18.08	19.5	0	
15	QPSK	1	74	18.00	18.20	18.02			
15	QPSK	30	0	17.95	18.24	18.21			
15	QPSK	30	20	18.04	18.37	18.24			
15	QPSK	30	39	18.18	18.37	18.13	19.5	0	
15	QPSK	75	0	18.02	18.27	18.17			
15	16QAM	1	0	18.13	18.36	18.36			
15	16QAM	1	37	18.21	18.50	18.43	19.5	0	
15	16QAM	1	74	18.43	18.58	18.36			
15	16QAM	30	0	17.94	18.22	18.24			
15	16QAM	30	20	18.06	18.30	18.23	19.5	0	
15	16QAM	30	39	18.16	18.33	18.13			
15	16QAM	75	0	18.03	18.20	18.18			
15	64QAM	1	0	18.04	18.23	18.32			
15	64QAM	1	37	18.12	18.39	18.31	19.5	0	
15	64QAM	1	74	18.26	18.41	18.21			
15	64QAM	30	0	18.02	18.24	18.26			
15	64QAM	30	20	18.15	18.37	18.25			
15	64QAM	30	39	18.16	18.31	18.23	19.5	0	
15	64QAM	75	0	18.13	18.30	18.20			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.82	18.00	18.06			
10	QPSK	1	49	18.03	18.18	18.12	19.5	0	
10	QPSK	25	0	17.92	18.24	18.18			
10	QPSK	25	12	18.08	18.34	18.21	19.5	0	
10	QPSK	25	25	18.14	18.30	18.28			
10	QPSK	50	0	18.03	18.22	18.23			
10	16QAM	1	0	18.21	18.41	18.38			
10	16QAM	1	25	18.21	18.60	18.34	19.5	0	
10	16QAM	1	49	18.39	18.53	18.34			
10	16QAM	25	0	18.07	18.28	18.17			
10	16QAM	25	12	18.12	18.31	18.26	19.5	0	
10	16QAM	25	25	18.09	18.37	18.21			
10	16QAM	50	0	18.01	18.29	18.16			
10	64QAM	1	0	18.06	18.21	18.23			
10	64QAM	1	25	18.04	18.24	18.21	19.5	0	
10	64QAM	1	49	18.24	18.41	18.21			
10	64QAM	25	0	17.96	18.20	18.22			
10	64QAM	25	12	18.15	18.31	18.28	19.5	0	
10	64QAM	25	25	18.19	18.38	18.29			
10	64QAM	50	0	18.05	18.38	18.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.80	18.01	18.07			
5	QPSK	1	12	17.96	18.14	18.19	19.5	0	
5	QPSK	1	24	18.05	18.24	18.08			
5	QPSK	12	0	17.97	18.26	18.24			
5	QPSK	12	7	18.08	18.20	18.25	19.5	0	
5	QPSK	12	13	18.16	18.29	18.22			
5	QPSK	25	0	18.00	18.26	18.21			
5	16QAM	1	0	18.18	18.45	18.39			
5	16QAM	1	12	18.11	18.52	18.44	19.5	0	
5	16QAM	1	24	18.37	18.62	18.36			
5	16QAM	12	0	17.97	18.21	18.23			
5	16QAM	12	13	18.04	18.31	18.19	19.5	0	
5	16QAM	12	13	18.19	18.38	18.18			
5	16QAM	25	0	18.07	18.26	18.25			
5	64QAM	1	0	18.01	18.27	18.32			
5	64QAM	1	12	18.11	18.37	18.29	19.5	0	
5	64QAM	1	24	18.32	18.39	18.24			
5	64QAM	12	0	18.02	18.27	18.23			
5	64QAM	12	13	18.16	18.35	18.31	19.5	0	
5	64QAM	12	13	18.19	18.39	18.24			
5	64QAM	25	0	18.04	18.29	18.26			

Band 7_Ant 1 DSI 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				21100	21350	21550	23		
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	21.78	22.01	22.02	23	0	
20	QPSK	1	49	21.88	22.19	22.04			
20	QPSK	1	99	22.03	22.25	22.08			
20	QPSK	50	24	22.07	22.27	22.20			
20	QPSK	50	50	22.10	22.28	22.14	23	0	
20	QPSK	100	0	22.02	22.26	22.21			
20	16QAM	1	0	22.18	22.38	22.36			
20	16QAM	1	49	22.23	22.67	22.41			
20	16QAM	50	0	21.94	21.22	21.19	23	0	
20	16QAM	50	24	21.05	21.29	21.20			
20	16QAM	50	50	21.12	21.32	21.15			
20	16QAM	100	0	21.03	21.28	21.19			
20	64QAM	1	0	22.03	21.21	21.27	23	0	
20	64QAM	1	49	22.09	21.42	21.28			
20	64QAM	1	99	22.25	21.42	21.08			
20	64QAM	50	0	20.92	20.28	20.23			
20	64QAM	50	24	21.06	20.34	20.24	23	0	
20	64QAM	50	50	21.08	20.33	20.17			
20	64QAM	100	0	21.04	20.28	20.23			
Channel				20625	21100	21375			
Frequency (MHz)				2067.5	2035	2062.5	Tune-up limit (dBm)		
15	QPSK	1	0	21.75	21.89	21.82	23	0	
15	QPSK	1	37	21.94	22.12	21.96			
15	QPSK	1	74	21.95	22.24	22.07			
15	QPSK	36	0	21.88	22.21	22.08			
15	QPSK	36	20	21.99	22.26	22.15	23	0	
15	QPSK	36	39	22.10	22.23	22.09			
15	QPSK	50	0	21.94	22.28	22.21			
15	16QAM	1	37	22.15	22.04	22.35			
15	16QAM	1	74	22.38	22.48	22.41	23	0	
15	16QAM	36	0	21.03	21.13	21.15			
15	16QAM	36	20	21.05	21.20	21.15			
15	16QAM	36	39	21.08	21.25	21.15			
15	16QAM	75	0	21.05	21.20	21.10	23	0	
15	64QAM	1	0	21.95	21.17	21.20			
15	64QAM	1	37	22.04	21.32	21.18			
15	64QAM	1	74	22.19	21.36	21.05			
15	64QAM	36	0	20.90	20.23	20.21	23	0	
15	64QAM	36	20	21.00	20.24	20.15			
15	64QAM	36	39	21.08	20.25	20.07			
15	64QAM	75	0	21.02	20.23	20.19			
Channel				20800	21100	21400	Tune-up limit (dBm)		
Frequency (MHz)				2090	2035	2080			
10	QPSK	1	0	21.75	22.01	21.86	23	0	
10	QPSK	1	25	21.91	22.09	22.02			
10	QPSK	1	49	21.96	22.16	22.02			
10	QPSK	25	0	21.91	22.19	22.17			
10	QPSK	25	12	22.02	22.18	22.19	23	0	
10	QPSK	25	25	22.02	22.23	22.10			
10	QPSK	50	0	21.97	22.18	22.17			
10	16QAM	1	0	22.18	22.30	22.27			
10	16QAM	1	25	22.16	22.04	22.34	23	0	
10	16QAM	1	49	22.38	22.56	22.37			
10	16QAM	25	0	21.03	21.20	21.09			
10	16QAM	25	12	21.06	21.27	21.12			
10	16QAM	25	25	21.07	21.29	21.09	23	0	
10	16QAM	50	0	21.03	21.20	21.13			
10	64QAM	1	0	21.95	21.18	21.19			
10	64QAM	1	25	22.04	21.41	21.18			
10	64QAM	1	49	22.18	21.38	21.05	23	0	
10	64QAM	25	0	20.90	20.19	20.10			
10	64QAM	25	12	21.06	20.32	20.14			
10	64QAM	25	25	21.06	20.26	20.16			
10	64QAM	50	0	20.97	20.19	20.23	23		
Channel				20775	21100	21425			
Frequency (MHz)				2092.5	2035	2097.5	Tune-up limit (dBm)		
5	QPSK	1	0	21.78	21.91	21.84	23	0	
5	QPSK	1	12	21.93	22.11	21.94			
5	QPSK	1	24	21.94	22.15	22.04			
5	QPSK	12	0	21.82	22.13	22.10			
5	QPSK	12	7	22.07	22.23	22.14	23	0	
5	QPSK	12	13	22.10	22.21	22.13			
5	QPSK	25	0	22.01	22.26	22.16			
5	16QAM	1	0	22.17	22.32	22.24			
5	16QAM	1	12	22.20	22.49	22.41	23	0	
5	16QAM	1	24	22.38	22.53	22.36			
5	16QAM	12	0	21.02	21.12	21.10			
5	16QAM	12	7	21.06	21.19	21.20			
5	16QAM	12	13	21.09	21.25	21.14	23	0	
5	16QAM	25	0	21.06	21.24	21.18			
5	64QAM	1	0	22.01	21.17	21.22			
5	64QAM	1	12	21.99	21.35	21.20			
5	64QAM	1	24	22.19	21.34	21.06	23	0	
5	64QAM	12	0	20.91	20.28	20.17			
5	64QAM	12	7	20.99	20.31	20.19			
5	64QAM	12	13	20.98	20.29	20.10			
5	64QAM	25	0	20.94	20.25	20.23	23		

Band 7_Ant 2 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	19.10	19.49	19.23	23.1	0	
20	QPSK	1	49	19.14	19.42	19.23			
20	QPSK	1	99	19.32	19.48	19.23			
20	QPSK	50	0	19.20	19.45	19.38			
20	QPSK	50	24	19.35	19.43	19.40	23.1	0	
20	QPSK	50	50	19.37	19.44	19.32			
20	QPSK	100	0	19.24	19.41	19.40			
20	16QAM	1	0	19.45	19.63	19.61			
20	16QAM	1	49	19.54	19.78	19.58	23.1	0	
20	16QAM	1	99	19.72	19.83	19.69			
20	16QAM	50	0	19.12	19.30	19.20			
20	16QAM	50	24	19.15	19.26	19.21			
20	16QAM	50	50	19.19	19.27	19.15	23.1	0	
20	16QAM	100	0	19.14	19.30	19.20			
20	64QAM	1	0	19.11	19.30	19.32			
20	64QAM	1	49	19.20	19.52	19.30			
20	64QAM	1	99	19.39	19.46	19.29	23.1	0	
20	64QAM	50	0	18.10	18.33	18.22			
20	64QAM	50	24	18.17	18.39	18.26			
20	64QAM	50	50	18.21	18.38	18.15			
20	64QAM	100	0	18.15	18.34	18.25	23.1		
Channel				20625	21100	21375			
Frequency (MHz)				2027.5	2035	2042.5	Tune-up limit (dBm)		
15	QPSK	1	0	19.12	19.28	19.23	23.1	0	
15	QPSK	1	37	19.11	19.40	19.21			
15	QPSK	1	74	19.28	19.44	19.21			
15	QPSK	36	0	19.13	19.44	19.37			
15	QPSK	36	20	19.31	19.46	19.36	23.1	0	
15	QPSK	36	39	19.35	19.47	19.24			
15	QPSK	50	0	19.24	19.41	19.36			
15	16QAM	1	0	19.39	19.57	19.59			
15	16QAM	1	37	19.52	19.69	19.49	23.1	0	
15	16QAM	1	74	19.71	19.83	19.63			
15	16QAM	36	0	19.11	19.22	19.13			
15	16QAM	36	20	19.12	19.22	19.11			
15	16QAM	36	39	19.16	19.29	19.14	23.1	0	
15	16QAM	50	0	19.15	19.24	19.14			
15	64QAM	1	0	19.16	19.27	19.17			
15	64QAM	1	37	19.15	19.24	19.30			
15	64QAM	1	74	19.16	19.24	19.31	23.1	0	
15	64QAM	36	0	19.16	19.24	19.17			
15	64QAM	36	20	19.15	19.39	19.18			
15	64QAM	36	39	19.17	19.31	19.12			
15	64QAM	75	0	18.14	18.34	18.25	23.1		
Channel				20600	21100	21420			
Frequency (MHz)				20200	2035	2050	Tune-up limit (dBm)		
10	QPSK	1	0	19.13	19.26	19.22	23.0	0	
10	QPSK	1	25	19.14	19.32	19.20			
10	QPSK	1	49	19.24	19.42	19.14			
10	QPSK	25	0	19.16	19.42	19.35			
10	QPSK	25	12	19.22	19.46	19.33	23.1	0	
10	QPSK	25	25	19.30	19.44	19.34			
10	QPSK	50	0	19.23	19.44	19.30			
10	16QAM	1	0	19.39	19.59	19.57			
10	16QAM	1	25	19.62	19.77	19.52	23.1	0	
10	16QAM	1	49	19.71	19.74	19.51			
10	16QAM	25	0	19.10	19.24	19.11			
10	16QAM	25	12	19.12	19.27	19.18			
10	16QAM	25	25	19.14	19.23	19.11	23.1	0	
10	16QAM	50	0	19.11	19.23	19.15			
10	16QAM	1	0	19.12	19.26	19.20			
10	64QAM	1	0	19.13	19.33	19.29			
10	64QAM	1	49	19.30	19.37	19.21	23.1	0	
10	64QAM	25	0	18.12	18.31	18.19			
10	64QAM	25	12	18.13	18.29	18.19			
10	64QAM	25	25	18.20	18.30	18.16			
10	64QAM	50	0	18.11	18.25	18.23	23.1		
Channel				20775	21100	21420			
Frequency (MHz)				20525	2035	2067.5	Tune-up limit (dBm)		
5	QPSK	1	0	19.12	19.19	19.21	23.1	0	
5	QPSK	1	12	19.10	19.41	19.21			
5	QPSK	1	24	19.24	19.42	19.17			
5	QPSK	1	0	19.12	19.37	19.37			
5	QPSK	12	7	19.30	19.46	19.23	23.1	0	
5	QPSK	12	13	19.29	19.54	19.23			
5	QPSK	25	0	19.29	19.43	19.33			
5	16QAM	1	0	19.43	19.67	19.57			
5	16QAM	1	12	19.11	19.43	19.39	23.1	0	
5	16QAM	1	24	19.67	19.76	19.55			
5	16QAM	12	0	19.11	19.27	19.15			
5	16QAM	12	7	19.10	19.39	19.15			
5	16QAM	12	13	19.17	19.36	19.12	23.1	0	
5	16QAM	25	0	19.16	19.36	19.27			
5	64QAM	1	0	19.12	19.31	19.29			
5	64QAM	1	12	19.18	19.49	19.20			
5	64QAM	1	24	19.38	19.37	19.25	23.1	0	
5	64QAM	12	0	18.12	18.29	18.15			
5	64QAM	12	13	18.19	18.36	18.20			
5	64QAM	25	0	18.13	18.27	18.22			

Band 7_Ant 2 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20860	21100	21360				
Frequency (MHz)				2010	2030	2060				
20	QPSK	1	0	18.06	18.40	18.24	19.4	0		
20	QPSK	1	49	18.14	18.41	18.20				
20	QPSK	1	99	18.29	18.44	18.22				
20	QPSK	50	0	18.18	18.56	18.35	19.4	0		
20	QPSK	50	24	18.32	18.51	18.40				
20	QPSK	50	50	18.34	18.50	18.29				
20	QPSK	100	0	18.30	18.50	18.35	19.4	0		
20	16QAM	1	0	18.41	18.62	18.54				
20	16QAM	1	49	18.50	18.76	18.56				
20	16QAM	1	99	18.70	18.79	18.67	19.4	0		
20	16QAM	50	0	18.19	18.46	18.37				
20	16QAM	50	24	18.33	18.51	18.36				
20	16QAM	50	50	18.36	18.51	18.28	19.4	0		
20	16QAM	100	0	18.28	18.48	18.37				
20	64QAM	1	0	18.25	18.45	18.45				
20	64QAM	1	49	18.33	18.67	18.44	19.4	0		
20	64QAM	1	99	18.54	18.64	18.37				
20	64QAM	50	0	18.13	18.40	18.30				
20	64QAM	50	24	18.25	18.46	18.32	19.4	0		
20	64QAM	50	50	18.27	18.45	18.23				
20	64QAM	100	0	18.23	18.42	18.30				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2007.5	2033	2062.5				
15	QPSK	1	0	18.06	18.21	18.19	19.4	0		
15	QPSK	1	37	18.07	18.35	18.17				
15	QPSK	1	74	18.28	18.39	18.17				
15	QPSK	36	0	18.18	18.40	18.30	19.4	0		
15	QPSK	36	20	18.22	18.47	18.35				
15	QPSK	36	39	18.26	18.46	18.29				
15	QPSK	75	0	18.24	18.44	18.30	19.4	0		
15	16QAM	1	0	18.38	18.53	18.49				
15	16QAM	1	37	18.40	18.74	18.55				
15	16QAM	1	74	18.67	18.73	18.54	19.4	0		
15	16QAM	36	0	18.16	18.45	18.27				
15	16QAM	36	20	18.26	18.42	18.32	19.4	0		
15	16QAM	36	39	18.31	18.45	18.20				
15	16QAM	75	0	18.19	18.47	18.31				
15	64QAM	1	0	18.18	18.44	18.42	19.4	0		
15	64QAM	1	37	18.28	18.63	18.44				
15	64QAM	1	74	18.44	18.59	18.31				
15	64QAM	36	0	18.12	18.40	18.23	19.4	0		
15	64QAM	36	20	18.17	18.44	18.25				
15	64QAM	36	39	18.26	18.39	18.20				
15	64QAM	75	0	18.20	18.42	18.20	19.4	0		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2000	2030	2060				
10	QPSK	1	0	17.96	18.16	18.17	19.4	0		
10	QPSK	1	25	18.07	18.35	18.17				
10	QPSK	1	49	18.23	18.36	18.13				
10	QPSK	25	0	18.12	18.46	18.33	19.4	0		
10	QPSK	25	12	18.29	18.41	18.34				
10	QPSK	25	25	18.27	18.46	18.23				
10	QPSK	50	0	18.26	18.43	18.30	19.4	0		
10	16QAM	1	0	18.39	18.60	18.50				
10	16QAM	1	25	18.46	18.74	18.47				
10	16QAM	1	49	18.63	18.77	18.54	19.4	0		
10	16QAM	25	0	18.10	18.46	18.30				
10	16QAM	25	12	18.32	18.45	18.37	19.4	0		
10	16QAM	25	25	18.26	18.47	18.20				
10	16QAM	50	0	18.23	18.39	18.37				
10	64QAM	1	0	18.16	18.43	18.35	19.4	0		
10	64QAM	1	25	18.32	18.65	18.41				
10	64QAM	1	49	18.50	18.61	18.32				
10	64QAM	25	0	18.10	18.39	18.25	19.4	0		
10	64QAM	25	12	18.18	18.45	18.27				
10	64QAM	25	25	18.27	18.40	18.19				
10	64QAM	50	0	18.13	18.36	18.20	19.4	0		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2002.5	2030	2057.5				
5	QPSK	1	0	18.04	18.16	18.17	19.4	0		
5	QPSK	1	12	18.09	18.30	18.11				
5	QPSK	1	24	18.22	18.39	18.20				
5	QPSK	12	0	18.14	18.43	18.34	19.4	0		
5	QPSK	12	7	18.26	18.45	18.30				
5	QPSK	12	13	18.24	18.47	18.24				
5	QPSK	25	0	18.21	18.46	18.32	19.4	0		
5	16QAM	1	0	18.41	18.54	18.46				
5	16QAM	1	12	18.47	18.67	18.56				
5	16QAM	1	24	18.66	18.79	18.51	19.4	0		
5	16QAM	12	0	18.16	18.36	18.34				
5	16QAM	12	7	18.27	18.47	18.38				
5	16QAM	12	13	18.33	18.48	18.22	19.4	0		
5	16QAM	25	0	18.23	18.38	18.32				
5	64QAM	1	0	18.24	18.45	18.38				
5	64QAM	1	12	18.29	18.57	18.34	19.4	0		
5	64QAM	1	24	18.44	18.56	18.27				
5	64QAM	12	0	18.13	18.34	18.26				
5	64QAM	12	7	18.19	18.46	18.28	19.4	0		
5	64QAM	12	13	18.18	18.39	18.18				
5	64QAM	25	0	18.21	18.36	18.28				

Band 14_Ant 2 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23300					
Frequency (MHz)				793					
10	QPSK	1	0	19.48	19.51	19.51	21.2	0	
10	QPSK	1	25	19.35	19.41	19.41			
10	QPSK	1	49	19.49	19.42	19.42			
10	QPSK	25	0	19.50	19.50	19.50	21.2	0	
10	QPSK	25	12	19.52	19.51	19.51			
10	QPSK	25	25	19.55	19.51	19.51			
10	QPSK	50	0	19.46	19.48	19.48	21.2	0	
10	16QAM	1	0	19.50	19.50	19.50			
10	16QAM	1	25	19.83	19.83	19.83			
10	16QAM	1	49	19.74	19.74	19.74	21.2	0	
10	16QAM	25	0	19.48	19.48	19.48			
10	16QAM	25	12	19.55	19.55	19.55			
10	16QAM	25	25	19.53	19.53	19.53	21.2	0	
10	16QAM	50	0	19.52	19.52	19.52			
10	64QAM	1	0	19.70	19.70	19.70			
10	64QAM	1	25	19.73	19.73	19.73	21.2	0	
10	64QAM	1	49	19.64	19.64	19.64			
10	64QAM	25	0	19.33	19.33	19.33			
10	64QAM	25	12	19.34	19.34	19.34	21	0.2	
10	64QAM	25	25	19.39	19.39	19.39			
10	64QAM	50	0	19.32	19.32	19.32			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	19.48	19.55	19.51	21.2	0	
5	QPSK	1	12	19.35	19.34	19.31			
5	QPSK	1	24	19.29	19.36	19.27			
5	QPSK	12	0	19.42	19.50	19.41	21.2	0	
5	QPSK	12	7	19.38	19.41	19.44			
5	QPSK	12	13	19.37	19.40	19.43			
5	QPSK	25	0	19.43	19.43	19.37	21.2	0	
5	16QAM	1	0	19.83	19.84	19.84			
5	16QAM	1	12	19.79	19.83	19.76	21.2	0	
5	16QAM	1	24	19.62	19.66	19.68			
5	16QAM	12	0	19.44	19.41	19.42			
5	16QAM	12	7	19.50	19.48	19.48	21.2	0	
5	16QAM	12	13	19.48	19.44	19.45			
5	16QAM	25	0	19.48	19.42	19.41			
5	64QAM	1	0	19.58	19.67	19.58	21.2	0	
5	64QAM	1	12	19.63	19.70	19.64			
5	64QAM	1	24	19.59	19.61	19.55			
5	64QAM	12	0	19.22	19.23	19.26	21	0.2	
5	64QAM	12	7	19.26	19.26	19.19			
5	64QAM	12	13	19.27	19.30	19.28			
5	64QAM	25	0	19.25	19.22	19.20			

Band 25_Ant 1 DS1 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.59	20.50	20.50	21.3	0			
20	QPSK	1	49	20.53	20.30	20.29					
20	QPSK	1	99	20.39	20.27	20.38					
20	QPSK	50	0	20.75	20.54	20.41					
20	QPSK	50	24	20.61	20.52	20.51	21.3	0			
20	QPSK	50	50	20.55	20.46	20.46					
20	QPSK	100	0	20.61	20.49	20.51					
20	16QAM	1	0	20.79	20.73	20.69					
20	16QAM	1	49	20.78	20.68	20.62	21.3	0			
20	16QAM	1	99	20.75	20.67	20.57					
20	16QAM	50	0	20.56	20.37	20.21					
20	16QAM	50	24	20.44	20.34	20.32					
20	16QAM	50	50	20.37	20.28	20.27	21.3	0			
20	16QAM	100	0	20.41	20.29	20.29					
20	64QAM	1	0	20.89	20.52	19.83					
20	64QAM	1	49	20.51	20.34	19.72					
20	64QAM	1	99	20.33	20.33	19.92	21.3	0			
20	64QAM	50	0	19.65	19.27	19.20					
20	64QAM	50	24	19.47	19.36	19.29					
20	64QAM	50	50	19.39	19.30	19.21					
20	64QAM	100	0	19.44	19.33	19.02	21	0.3			
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.66	20.48	20.41	21.3	0			
15	QPSK	1	37	20.58	20.37	20.34					
15	QPSK	1	74	20.48	20.35	20.33					
15	QPSK	36	0	20.78	20.54	20.43					
15	QPSK	36	20	20.66	20.50	20.50	21.3	0			
15	QPSK	36	39	20.55	20.43	20.45					
15	QPSK	75	0	20.62	20.48	20.41					
15	16QAM	1	0	20.37	20.62	20.69					
15	16QAM	1	37	20.30	20.66	20.63	21.3	0			
15	16QAM	1	74	20.83	20.68	20.65					
15	16QAM	36	0	20.57	20.36	20.21					
15	16QAM	36	20	20.44	20.30	20.35					
15	16QAM	36	39	20.36	20.25	20.24	21.3	0			
15	16QAM	75	0	20.41	20.30	20.32					
15	64QAM	1	0	20.62	20.46	19.75					
15	64QAM	1	37	20.57	20.42	19.92					
15	64QAM	1	74	20.43	20.34	19.42	21.3	0			
15	64QAM	36	0	19.65	19.29	19.20					
15	64QAM	36	20	19.49	19.35	19.02					
15	64QAM	36	39	19.40	19.31	19.20					
15	64QAM	75	0	19.44	19.30	19.06	21	0.3			
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.66	20.48	20.41	21.3	0			
10	QPSK	1	25	20.57	20.34	20.38					
10	QPSK	1	49	20.54	20.33	20.38					
10	QPSK	25	0	20.69	20.48	20.40					
10	QPSK	25	12	20.65	20.49	20.44	21.3	0			
10	QPSK	25	25	20.61	20.38	20.51					
10	QPSK	50	0	20.63	20.40	20.41					
10	16QAM	1	0	21.00	20.77	20.69					
10	16QAM	1	25	20.92	20.70	20.75	21.3	0			
10	16QAM	1	49	20.87	20.76	20.72					
10	16QAM	25	0	20.53	20.30	20.19					
10	16QAM	25	12	20.45	20.31	20.25					
10	16QAM	25	25	20.42	20.27	20.26	21.3	0			
10	16QAM	50	0	20.45	20.30	20.32					
10	64QAM	1	0	20.53	20.29	19.95					
10	64QAM	1	25	20.68	20.43	19.97					
10	64QAM	1	49	20.53	20.39	19.42	21.3	0			
10	64QAM	25	0	19.54	19.21	19.15					
10	64QAM	25	12	19.30	19.34	19.15					
10	64QAM	25	25	19.46	19.23	19.10					
10	64QAM	50	0	19.46	19.32	19.15	21	0.3			
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.59	20.41	20.38	21.3	0			
5	QPSK	1	12	20.66	20.40	20.39					
5	QPSK	1	24	20.61	20.32	20.38					
5	QPSK	12	0	20.69	20.43	20.44					
5	QPSK	12	7	20.72	20.50	20.49	21.3	0			
5	QPSK	12	13	20.72	20.47	20.49					
5	QPSK	25	0	20.69	20.48	20.41					
5	16QAM	1	0	20.94	20.68	20.70					
5	16QAM	1	12	20.97	20.74	20.67	21.3	0			
5	16QAM	1	24	20.92	20.67	20.76					
5	16QAM	12	0	20.51	20.25	20.38					
5	16QAM	12	7	20.56	20.37	20.30					
5	16QAM	12	13	20.54	20.29	20.21	21.3	0			
5	16QAM	25	0	20.55	20.27	20.29					
5	64QAM	1	0	20.63	20.42	19.87					
5	64QAM	1	12	20.66	20.40	19.62					
5	64QAM	1	24	20.67	20.33	19.31	21.3	0			
5	64QAM	12	0	19.54	19.21	19.20					
5	64QAM	12	7	19.58	19.37	19.16					
5	64QAM	12	13	19.60	19.30	19.15					
5	64QAM	25	0	19.54	19.30	19.09	21	0.3			
Channel											
Frequency (MHz)											
3	QPSK	1	0	20.52	20.34	20.32	21.3	0			
3	QPSK	1	8	20.70	20.45	20.41					
3	QPSK	1	14	20.68	20.41	20.38					
3	QPSK	8	0	20.67	20.43	20.39					
3	QPSK	8	4	20.71	20.49	20.48	21.3	0			
3	QPSK	8	7	20.73	20.50	20.47					
3	QPSK	15	0	20.73	20.48	20.41					
3	16QAM	1	0	20.89	20.65	20.59					
3	16QAM	1	8	20.97	20.81	20.72	21.3	0			
3	16QAM	1	14	20.95	20.74	20.71					
3	16QAM	8	0	20.54	20.29	20.26					
3	16QAM	8	4	20.58	20.37	20.30					
3	16QAM	8	7	20.57	20.37	20.21	21.3	0			
3	16QAM	15	0	20.49	20.31	20.24					
3	64QAM	1	0	20.63	20.36	19.66					
3	64QAM	1	8	20.76	20.47	19.51					
3	64QAM	1	14	20.68	20.43	19.35	21.3	0			
3	64QAM	8	0	19.50	19.29	19.00					
3	64QAM	8	4	19.58	19.36	19.09					
3	64QAM	8	7	19.60	19.37	19.17					
3	64QAM	15	0	19.55	19.31	19.12	21	0.3			
Channel											
Frequency (MHz)											
20647	26340	26670					Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)											
1.4	QPSK	1	0	20.53	20.28	20.21	21.3	0			
1.4	QPSK	1	3	20.60	20.37	20.34					
1.4	QPSK	1	5	20.59	20.33	20.27					
1.4	QPSK	3	0	20.55	20.32	20.23					
1.4	QPSK	3	1	20.60	20.36	20.32	21.3	0			
1.4	QPSK	3	3	20.61	20.36	20.32					
1.4	QPSK	6	0	20.63	20.39	20.35					
1.4	16QAM	1	0	20.82	20.58	20.54					
1.4	16QAM	1	3	20.86	20.70	20.63	21.3	0			
1.4	16QAM	3	0	20.54	20.44	20.33					
1.4	16QAM	3	1	20.71	20.48	20.40					
1.4	16QAM	3	3	20.67	20.44	20.37					
1.4	64QAM	1	0	20.52	20.26	20.12	21.3	0			
1.4	64QAM	1	0	20.56	20.32	19.38					
1.4	64QAM	1	3	20.67	20.37	19.38					
1.4	64QAM	1	5	20.60	20.38	19.38					
1.4	64QAM	3	0	20.56	20.27	19.45	21.3	0			
1.4	64QAM	3	1	20.62	20.38	19.46					
1.4	64QAM	3	3	20.61	20.33	19.31					
1.4	64QAM	6	0	19.44	19.21	19.33					

Band 30_Ant 1 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310			20.7	0	
10	QPSK	1	0	19.81					
10	QPSK	1	25	19.49			20.7	0	
10	QPSK	1	49	19.48					
10	QPSK	25	0	19.67			20.7	0	
10	QPSK	25	12	19.66					
10	QPSK	25	25	19.51			20.7	0	
10	QPSK	50	0	19.66					
10	16QAM	1	0	19.89			20.7	0	
10	16QAM	1	25	19.90					
10	16QAM	1	49	19.93			20.7	0	
10	16QAM	25	0	19.60					
10	16QAM	25	12	19.71			20.7	0	
10	16QAM	25	25	19.74					
10	16QAM	50	0	19.66			20.7	0	
10	64QAM	1	0	19.74					
10	64QAM	1	25	19.83			20.7	0	
10	64QAM	1	49	19.62					
10	64QAM	25	0	19.69			20.7	0	
10	64QAM	25	12	19.74					
10	64QAM	25	25	19.73			20.7	0	
10	64QAM	50	0	19.73					
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	19.40	19.38	19.44	20.7	0	
5	QPSK	1	12	19.52	19.54	19.54			
5	QPSK	1	24	19.62	19.54	19.57	20.7	0	
5	QPSK	12	0	19.55	19.53	19.53			
5	QPSK	12	7	19.67	19.63	19.63	20.7	0	
5	QPSK	12	13	19.59	19.61	19.62			
5	QPSK	25	0	19.56	19.58	19.59	20.7	0	
5	16QAM	1	0	19.71	19.75	19.76			
5	16QAM	1	12	19.71	19.67	19.81	20.7	0	
5	16QAM	1	24	19.87	19.68	19.91			
5	16QAM	12	0	19.62	19.55	19.57	20.7	0	
5	16QAM	12	7	19.80	19.69	19.63			
5	16QAM	12	13	19.54	19.64	19.65	20.7	0	
5	16QAM	25	0	19.63	19.64	19.63			
5	64QAM	1	0	19.75	19.70	19.70	20.7	0	
5	64QAM	1	12	19.69	19.72	19.73			
5	64QAM	1	24	19.72	19.75	19.81	20.7	0	
5	64QAM	12	0	19.65	19.61	19.59			
5	64QAM	12	7	19.73	19.71	19.69	20.7	0	
5	64QAM	12	13	19.67	19.69	19.70			
5	64QAM	25	0	19.65	19.66	19.67			

Band 30_Ant 1 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0	18.91			20	0	
10	QPSK	1	25	18.85					
10	QPSK	1	49	18.88					
10	QPSK	25	0	18.92			20	0	
10	QPSK	25	12	18.93					
10	QPSK	25	25	18.94					
10	QPSK	50	0	19.03			20	0	
10	16QAM	1	0	19.27					
10	16QAM	1	25	19.24					
10	16QAM	1	49	19.26			20	0	
10	16QAM	25	0	19.03					
10	16QAM	25	12	19.04					
10	16QAM	25	25	19.05			20	0	
10	16QAM	50	0	19.02					
10	64QAM	1	0	19.20					
10	64QAM	1	25	19.21			20	0	
10	64QAM	1	49	19.19					
10	64QAM	25	0	19.36					
10	64QAM	25	12	19.11			20	0	
10	64QAM	25	25	19.10					
10	64QAM	50	0	19.11					
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	18.81	18.83	18.83	20	0	
5	QPSK	1	12	18.89	18.93	18.92			
5	QPSK	1	24	18.90	18.86	18.97			
5	QPSK	12	0	18.96	18.89	18.91	20	0	
5	QPSK	12	7	18.99	19.01	19.02			
5	QPSK	12	13	18.98	19.02	19.04			
5	QPSK	25	0	19.00	19.00	19.00	20	0	
5	16QAM	1	0	19.14	19.14	19.18			
5	16QAM	1	12	19.15	19.22	19.22			
5	16QAM	1	24	19.24	19.28	19.32	20	0	
5	16QAM	12	0	19.01	18.95	18.95			
5	16QAM	12	7	19.04	19.05	19.07			
5	16QAM	12	13	19.01	19.05	19.06	20	0	
5	16QAM	25	0	19.03	19.02	19.03			
5	64QAM	1	0	19.19	19.08	19.10			
5	64QAM	1	12	19.07	19.04	19.17	20	0	
5	64QAM	1	24	19.08	19.16	19.20			
5	64QAM	12	0	19.14	19.01	19.01			
5	64QAM	12	7	19.13	19.12	19.13	20	0	
5	64QAM	12	13	19.1	19.1	19.1			
5	64QAM	25	0	19.05	19.05	19.07			

Band 48 (3.5G Band)_Ant1 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607	3643	3695		
20	QPSK	1	0	21.46	21.49	21.40	21.38	22.5	0
20	QPSK	1	49	21.33	21.40	21.20	21.31		
20	QPSK	1	99	21.21	21.31	21.18	21.06		
20	QPSK	50	0	18.95	18.96	18.89	18.84		
20	QPSK	50	24	18.88	18.92	18.90	18.75	20.5	2
20	QPSK	50	50	18.80	18.81	18.77	18.71		
20	QPSK	100	0	18.86	18.98	18.92	18.83		
20	16QAM	1	0	19.19	19.11	19.09	19.07		
20	16QAM	1	49	19.02	19.07	19.00	18.98	20.5	2
20	16QAM	1	99	18.93	18.83	18.88	18.76		
20	16QAM	50	0	17.96	18.03	17.98	18.01		
20	16QAM	50	24	17.99	18.02	17.99	17.89		
20	16QAM	50	50	17.95	17.88	17.75	17.78	19.5	3
20	16QAM	100	0	17.98	17.90	17.98	17.86		
20	64QAM	1	0	18.01	17.99	17.90	17.92		
20	64QAM	1	49	17.86	17.81	17.80	17.75		
20	64QAM	1	99	17.78	17.83	17.63	17.59	18.5	4
20	64QAM	50	0	17.02	16.98	16.96	16.94		
20	64QAM	50	24	17.06	16.96	16.92	16.89		
20	64QAM	50	50	16.92	16.85	16.90	16.85		
20	64QAM	100	0	16.92	16.93	16.87	16.88	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55830	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.46	21.34	21.33	21.25	22.5	0
15	QPSK	1	37	21.17	21.32	21.24	21.19		
15	QPSK	1	74	21.15	21.17	21.21	21.11		
15	QPSK	36	0	18.94	18.86	18.79	18.93		
15	QPSK	36	20	18.99	18.80	18.78	18.78	20.5	2
15	QPSK	36	39	18.77	18.73	18.52	18.71		
15	QPSK	75	0	18.87	18.92	18.86	18.72		
15	16QAM	1	0	19.16	19.04	19.15	18.95		
15	16QAM	1	37	18.98	18.98	18.98	18.92	20.5	2
15	16QAM	1	74	18.79	18.81	18.75	18.78		
15	16QAM	36	0	17.93	17.97	17.99	17.89		
15	16QAM	36	20	17.94	17.90	17.98	17.93		
15	16QAM	36	39	17.93	17.79	17.68	17.74	19.5	3
15	16QAM	75	0	17.83	17.91	17.94	17.91		
15	64QAM	1	0	17.94	17.97	17.81	17.79		
15	64QAM	1	37	17.79	17.75	17.72	17.64		
15	64QAM	1	74	17.76	17.66	17.65	17.66	18.5	4
15	64QAM	36	0	17.00	16.93	16.91	16.99		
15	64QAM	36	20	17.01	16.94	16.81	16.91		
15	64QAM	36	39	16.89	16.88	16.84	16.88		
15	64QAM	75	0	16.86	16.87	16.93	16.91	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.34	21.29	21.29	21.34	22.5	0
10	QPSK	1	25	21.32	21.36	21.16	21.18		
10	QPSK	1	49	21.12	21.22	21.09	21.07		
10	QPSK	25	0	18.87	18.97	18.85	18.93		
10	QPSK	25	12	18.81	18.93	18.81	18.84	20.5	2
10	QPSK	25	25	18.91	18.85	18.69	18.58		
10	QPSK	50	0	18.87	18.94	18.78	18.72		
10	16QAM	1	0	19.14	19.16	19.06	18.94		
10	16QAM	1	25	19.03	18.96	18.98	18.86	20.5	2
10	16QAM	1	49	18.82	18.78	18.83	18.71		
10	16QAM	25	0	17.91	18.04	17.89	17.99		
10	16QAM	25	12	17.92	17.93	17.93	17.80		
10	16QAM	25	25	17.82	17.87	17.75	17.75	19.5	3
10	16QAM	50	0	17.86	17.92	17.89	17.85		
10	64QAM	1	0	17.97	17.93	17.81	17.92		
10	64QAM	1	25	17.81	17.69	17.74	17.64		
10	64QAM	1	49	17.79	17.80	17.64	17.64	18.5	4
10	64QAM	25	0	16.96	16.92	16.87	16.95		
10	64QAM	25	12	16.97	16.87	16.95	16.88		
10	64QAM	25	25	16.88	16.82	16.86	16.87		
10	64QAM	50	0	16.90	16.84	16.82	16.91	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.34	21.42	21.27	21.25	22.5	0
5	QPSK	1	12	21.22	21.34	21.22	21.23		
5	QPSK	1	24	21.22	21.27	21.08	21.07		
5	QPSK	12	0	18.95	19.02	18.91	18.87		
5	QPSK	12	7	18.86	18.77	18.84	18.80	20.5	2
5	QPSK	12	13	18.91	18.81	18.60	18.64		
5	QPSK	25	0	18.96	18.85	18.90	18.79		
5	16QAM	1	0	19.08	19.16	19.09	19.01		
5	16QAM	1	12	18.97	19.03	18.89	18.91	20.5	2
5	16QAM	1	24	18.78	18.79	18.80	18.76		
5	16QAM	12	0	17.90	17.92	17.99	17.97		
5	16QAM	12	7	17.92	17.96	17.85	17.87		
5	16QAM	12	13	17.90	17.77	17.68	17.73	19.5	3
5	16QAM	25	0	17.90	17.90	17.85	17.81		
5	64QAM	1	0	17.88	17.91	17.88	17.81		
5	64QAM	1	12	17.81	17.77	17.87	17.71		
5	64QAM	1	24	17.76	17.79	17.58	17.54	18.5	4
5	64QAM	12	0	16.98	16.92	16.95	16.91		
5	64QAM	12	7	17.09	16.95	16.91	16.84		
5	64QAM	12	13	16.91	16.86	16.82	16.85		
5	64QAM	25	0	16.87	16.82	16.89	16.95	Tune-up limit (dBm)	MPR (dB)

Band 48 (3.5G Band)_Ant1 DSI 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.68	21.68	21.68	21.52	22.5	0
20	QPSK	1	49	21.60	21.51	21.56	21.57		
20	QPSK	1	99	21.40	21.41	21.29	21.43		
20	QPSK	50	0	19.03	19.06	19.04	18.93		
20	QPSK	50	24	19.05	18.96	19.03	19.04	20.5	2
20	QPSK	50	50	18.85	18.93	18.80	18.82		
20	QPSK	100	0	18.82	18.99	18.91	19.02		
20	16QAM	1	0	18.93	19.20	19.09	19.10		
20	16QAM	1	49	18.97	18.89	18.90	18.98	20.5	2
20	16QAM	1	99	18.91	18.86	18.82	18.78		
20	16QAM	50	0	18.15	18.11	18.11	18.06		
20	16QAM	50	24	18.07	17.88	18.07	18.08		
20	16QAM	50	50	17.88	17.89	17.99	17.96	19.5	3
20	16QAM	100	0	18.01	17.82	18.00	17.91		
20	64QAM	1	0	17.86	17.92	17.83	17.76		
20	64QAM	1	49	17.71	17.67	17.70	17.65		
20	64QAM	1	99	17.59	17.57	17.50	17.57	18.5	4
20	64QAM	50	0	17.20	17.18	17.10	17.03		
20	64QAM	50	24	17.21	17.12	17.15	17.06		
20	64QAM	50	50	16.96	17.01	16.91	16.98		
20	64QAM	100	0	16.93	16.93	16.80	17.08	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55830	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.62	21.66	21.72	21.51	22.5	0
15	QPSK	1	37	21.56	21.53	21.55	21.51		
15	QPSK	1	74	21.41	21.42	21.41	21.44		
15	QPSK	36	0	19.06	19.05	19.00	18.96		
15	QPSK	36	20	19.10	18.97	18.97	18.98	20.5	2
15	QPSK	36	39	18.89	18.84	18.88	18.78		
15	QPSK	75	0	19.01	18.86	18.95	19.03		
15	16QAM	1	0	19.04	19.17	19.05	19.13	20.5	2
15	16QAM	1	37	18.95	18.92	18.96	18.93		
15	16QAM	1	74	18.94	18.97	18.81	18.84		
15	16QAM	36	0	18.14	18.04	18.06	18.05		
15	16QAM	36	20	18.04	18.01	18.09	18.04	19.5	3
15	16QAM	36	39	17.86	17.87	17.84	17.81		
15	16QAM	75	0	17.95	17.86	18.01	17.88		
15	64QAM	1	0	17.74	17.66	17.76	17.77		
15	64QAM	1	37	17.73	17.63	17.70	17.72	19.5	3
15	64QAM	1	74	17.68	17.51	17.54	17.53		
15	64QAM	36	0	17.10	17.14	17.06	17.04		
15	64QAM	36	20	17.07	17.11	17.14	17.07		
15	64QAM	36	39	16.92	16.97	16.93	16.95	18.5	4
15	64QAM	75	0	17.06	16.92	17.05	17.04		
Channel				55300	55815	56165	56660		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.54	21.61	21.64	21.58	22.5	0
10	QPSK	1	25	21.52	21.59	21.53	21.53		
10	QPSK	1	49	21.41	21.42	21.39	21.41		
10	QPSK	25	0	18.99	18.98	18.97	19.06		
10	QPSK	25	12	18.95	19.05	19.03	19.01	20.5	2
10	QPSK	25	25	18.83	18.91	18.95	18.88		
10	QPSK	50	0	18.91	18.99	18.96	18.91		
10	16QAM	1	0	19.06	19.02	19.04	19.07	20.5	2
10	16QAM	1	25	18.97	18.97	18.80	18.90		
10	16QAM	1	49	18.79	18.82	18.83	18.83		
10	16QAM	25	0	18.02	18.14	18.04	18.01		
10	16QAM	25	12	18.03	18.10	18.01	18.01	19.5	3
10	16QAM	25	25	17.85	17.92	17.97	17.98		
10	16QAM	50	0	18.06	17.94	18.02	17.99		
10	64QAM	1	0	17.83	17.88	17.69	17.81		
10	64QAM	1	25	17.79	17.70	17.63	17.58	19.5	3
10	64QAM	1	49	17.53	17.58	17.51	17.57		
10	64QAM	25	0	17.06	17.03	17.06	17.02		
10	64QAM	25	12	16.93	17.11	17.05	17.03		
10	64QAM	25	25	16.83	16.97	16.91	16.86	18.5	4
10	64QAM	50	0	16.90	17.01	17.04	17.06		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.63	21.56	21.65	21.56	22.5	0
5	QPSK	1	12	21.58	21.58	21.51	21.49		
5	QPSK	1	24	21.52	21.37	21.41	21.46		
5	QPSK	12	0	19.09	19.05	19.03	19.03		
5	QPSK	12	7	18.91	19.07	19.07	18.88	20.5	2
5	QPSK	12	13	18.89	18.93	18.88	18.85		
5	QPSK	25	0	18.94	18.92	19.02	18.93		
5	16QAM	1	0	19.00	19.10	19.08	19.05	20.5	2
5	16QAM	1	12	18.86	18.88	19.00	18.93		
5	16QAM	1	24	18.78	18.90	18.83	18.79		
5	16QAM	12	0	18.04	18.14	18.10	18.01		
5	16QAM	12	7	17.97	17.99	18.05	18.04	19.5	3
5	16QAM	12	13	17.91	17.88	17.87	17.94		
5	16QAM	25	0	17.86	18.05	18.07	17.93		
5	64QAM	1	0	17.92	17.84	17.92	17.83		
5	64QAM	1	12	17.80	17.70	17.70	17.72	19.5	3
5	64QAM	1	24	17.65	17.62	17.53	17.57		
5	64QAM	12	0	17.16	17.11	17.12	16.96		
5	64QAM	12	7	17.04	17.18	17.05	16.94		
5	64QAM	12	13	16.90	16.88	16.94	16.93	18.5	4
5	64QAM	25	0	17.03	16.86	17.05	16.98		

DSI 3

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

WCDMA V			Tune-up Limit (dBm)
4132	4182	4233	
4357	4407	4458	
826.4	836.4	846.6	
21.73	21.84	21.80	22.90
21.81	21.91	21.88	22.90
20.84	20.92	20.90	21.90
20.81	20.93	20.85	21.90
20.30	20.46	20.40	20.90
20.30	20.43	20.40	20.90
21.30	21.42	21.37	22.40
21.34	21.39	21.33	22.40
20.89	20.93	20.92	21.90
20.87	20.91	20.88	21.90
20.82	20.93	20.87	22.90
18.82	18.95	18.90	20.90
19.82	19.93	19.89	21.90
18.83	18.95	18.92	20.90
20.82	20.90	20.88	22.90

DSI 5

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

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

Band 66 Ant 1_DSI 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mask Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)				130172	130322	130572								
20	QPSK	1	0	21.14	21.12	21.05	22	0						
20	QPSK	1	48	21.05	20.98	20.90								
20	QPSK	1	96	20.96	20.91	20.78								
20	QPSK	50	0	21.15	21.11	21.04								
20	QPSK	50	24	21.13	21.08	20.99	22	0						
20	QPSK	50	50	21.14	21.09	21.00								
20	QPSK	100	0	21.18	21.04	21.00								
20	16QAM	1	0	21.53	21.50	21.39								
20	16QAM	1	48	21.42	21.33	21.24	22	0						
20	16QAM	1	96	21.31	21.20	21.12								
20	16QAM	50	0	20.96	20.92	20.85								
20	16QAM	50	24	21.03	20.90	20.83								
20	16QAM	50	50	20.97	20.92	20.81	22	0						
20	16QAM	100	0	20.99	20.85	20.83								
20	64QAM	1	0	21.14	21.11	21.02								
20	64QAM	1	48	21.04	20.97	20.93	22	0						
20	64QAM	1	96	21.04	20.98	20.82								
20	64QAM	50	0	19.88	19.86	19.88								
20	64QAM	50	24	20.04	19.81	19.84								
20	64QAM	50	50	19.88	19.82	19.84	21	1						
20	64QAM	100	0	20.04	19.80	19.81								
Channel														
Frequency (MHz)				130447	130322	130597				Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	21.07	21.08	21.02	22	0						
15	QPSK	1	37	21.05	20.93	20.81								
15	QPSK	1	74	20.91	20.86	20.78								
15	QPSK	36	0	21.05	21.02	20.96								
15	QPSK	36	20	21.06	20.99	20.97	22	0						
15	QPSK	36	39	21.09	21.00	20.96								
15	QPSK	72	0	21.15	21.04	20.91								
15	16QAM	1	0	21.46	21.49	21.39								
15	16QAM	1	37	21.37	21.28	21.20	22	0						
15	16QAM	1	74	21.22	21.14	21.03								
15	16QAM	36	0	20.86	20.86	20.77								
15	16QAM	36	20	20.94	20.83	20.73								
15	16QAM	36	39	20.91	20.88	20.78	22	0						
15	16QAM	72	0	20.93	20.81	20.75								
15	64QAM	1	0	21.09	21.10	21.01								
15	64QAM	1	37	20.97	20.88	20.85								
15	64QAM	1	74	20.94	20.96	20.73	21	1						
15	64QAM	36	0	19.88	19.89	19.81								
15	64QAM	36	20	19.94	19.88	19.83								
15	64QAM	36	39	19.90	19.84	19.74								
15	64QAM	72	0	19.94	19.90	19.71	Tune-up limit (dBm) MPR (dB)							
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.09	21.02	20.95	22	0						
10	QPSK	1	25	21.02	20.91	20.86								
10	QPSK	1	48	20.86	20.85	20.68								
10	QPSK	25	0	21.10	21.01	20.96								
10	QPSK	25	12	21.13	21.06	20.92	22	0						
10	QPSK	25	25	21.11	21.02	20.96								
10	QPSK	50	0	21.16	21.04	20.95								
10	16QAM	1	0	21.53	21.47	21.34								
10	16QAM	1	25	21.38	21.30	21.19	22	0						
10	16QAM	1	48	21.26	21.17	21.11								
10	16QAM	25	0	20.88	20.91	20.77								
10	16QAM	25	12	21.00	20.82	20.75								
10	16QAM	25	25	20.94	20.88	20.72	22	0						
10	16QAM	50	0	20.99	20.78	20.75								
10	64QAM	1	0	21.08	21.10	20.95								
10	64QAM	1	25	20.96	20.94	20.83								
10	64QAM	1	48	21.04	20.88	20.81	21	1						
10	64QAM	25	0	19.88	19.84	19.80								
10	64QAM	25	12	20.02	19.83	19.79								
10	64QAM	25	25	19.90	19.87	19.74								
10	64QAM	50	0	20.00	19.85	19.72	Tune-up limit (dBm) MPR (dB)							
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.08	21.02	21.04	22	0						
5	QPSK	1	12	21.04	20.97	20.84								
5	QPSK	1	24	20.89	20.86	20.76								
5	QPSK	12	0	21.12	21.03	20.97								
5	QPSK	12	7	21.07	20.98	20.91	22	0						
5	QPSK	12	7	21.08	21.06	20.96								
5	QPSK	25	0	21.17	20.95	20.97								
5	16QAM	1	0	21.49	21.41	21.33								
5	16QAM	1	12	21.36	21.24	21.19	22	0						
5	16QAM	1	24	21.30	21.19	21.03								
5	16QAM	12	0	20.95	20.89	20.80								
5	16QAM	12	7	21.00	20.88	20.73								
5	16QAM	12	13	20.96	20.82	20.73	22	0						
5	16QAM	25	0	20.91	20.75	20.80								
5	64QAM	1	0	21.04	21.10	20.97								
5	64QAM	1	12	20.95	20.88	20.90	22	0						
5	64QAM	1	24	21.02	20.95	20.80								
5	64QAM	12	0	19.88	19.95	19.82								
5	64QAM	12	7	20.02	19.83	19.78								
5	64QAM	12	13	19.93	19.92	19.82	21	1						
5	64QAM	25	0	19.97	19.80	19.76								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.05	21.09	20.97	22	0						
3	QPSK	1	8	21.03	20.89	20.87								
3	QPSK	1	14	20.96	20.81	20.69								
3	QPSK	8	0	21.14	21.08	20.95								
3	QPSK	8	4	21.12	21.07	20.94	22	0						
3	QPSK	8	7	21.06	21.04	20.95								
3	QPSK	15	0	21.14	20.95	20.95								
3	16QAM	1	0	21.48	21.45	21.38								
3	16QAM	1	8	21.39	21.31	21.19	22	0						
3	16QAM	1	14	21.23	21.16	21.11								
3	16QAM	8	0	20.86	20.85	20.82								
3	16QAM	8	4	21.03	20.82	20.75								
3	16QAM	8	7	20.95	20.85	20.72	22	0						
3	16QAM	15	0	20.93	20.77	20.74								
3	64QAM	1	0	21.12	21.05	21.02								
3	64QAM	1	8	20.94	20.91	20.89								
3	64QAM	1	14	20.95	20.85	20.77	22	0						
3	64QAM	8	0	19.87	19.88	19.80								
3	64QAM	8	4	20.03	19.84	19.75								
3	64QAM	8	7	19.88	19.86	19.78								
3	64QAM	15	0	19.99	19.88	19.76	Tune-up limit (dBm) MPR (dB)							
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.09	21.09	20.98	22	0						
1.4	QPSK	1	3	20.98	20.88	20.86								
1.4	QPSK	1	6	20.88	20.87	20.88								
1.4	QPSK	3	0	21.09	21.10	21.00								
1.4	QPSK	3	1	21.04	21.02	20.95	22	0						
1.4	QPSK	3	3	21.13	21.04	20.98								
1.4	QPSK	6	0	21.18	20.99	20.95								
1.4	16QAM	1	0	21.48	21.47	21.30								
1.4	16QAM	1	3	21.39	21.33	21.16	22	0						
1.4	16QAM	1	5	21.30	21.15	21.02								
1.4	16QAM	3	0	20.92	20.89	20.82								
1.4	16QAM	3	1	20.96	20.81	20.74								
1.4	16QAM	3	3	20.95	20.86	20.76	22	0						
1.4	16QAM	6	0	20.96	20.79	20.82								
1.4	64QAM	1	0	21.06	21.07	20.97								
1.4	64QAM	1	3	21.00	20.88	20.86	22	0						
1.4	64QAM	1	6	20.98	20.87	20.74								
1.4	64QAM	3	0	21.00	21.06	20.95								
1.4	64QAM	3	1	20.99	20.79	20.80								
1.4	64QAM	3	3	20.92	20.87	20.74	21	1						
1.4	64QAM	6	0	20.00	19.82	19.79								

Band 38(only on channel required) DSI 3								
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	19.1	0
Frequency (MHz)				2575	2595	2615		
20	QPSK	1	0	19.53	20.15	20.04		
20	QPSK	1	49	19.47	19.90	20.05		
20	QPSK	1	99	19.32	19.94	19.94	21.1	0
20	QPSK	50	0	19.48	20.05	20.13		
20	QPSK	50	24	19.74	20.10	20.18		
20	QPSK	50	50	19.35	19.95	20.15		
20	QPSK	100	0	19.20	20.09	20.20	21.1	0
20	16QAM	1	0	19.35	20.10	20.19		
20	16QAM	1	49	19.34	20.06	20.09		
20	16QAM	1	99	19.26	20.06	20.09		
20	16QAM	50	0	20.02	20.08	20.20	21.1	0
20	16QAM	50	24	19.80	19.99	20.23		
20	16QAM	50	50	20.07	20.12	20.16		
20	16QAM	100	0	19.41	20.09	20.24		
20	64QAM	1	0	19.31	19.71	19.78	21.1	0
20	64QAM	1	49	19.21	19.67	19.72		
20	64QAM	1	99	19.51	19.62	19.70		
20	64QAM	50	0	19.58	19.91	19.99		
20	64QAM	50	24	19.80	19.96	20.04	21.1	0
20	64QAM	50	50	19.91	19.92	19.97		
20	64QAM	100	0	19.57	19.81	20.01		
Channel				37825	38000	38175	19.1	0
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.63	20.01	20.05		
15	QPSK	1	37	19.37	19.89	20.04		
15	QPSK	1	74	19.29	19.88	19.98	21.1	0
15	QPSK	36	0	19.44	20.11	20.20		
15	QPSK	36	20	19.68	20.17	20.20		
15	QPSK	36	39	19.40	20.01	20.12		
15	QPSK	75	0	19.10	20.05	20.29	21.1	0
15	16QAM	1	0	19.26	20.28	20.29		
15	16QAM	1	37	19.38	20.10	20.03		
15	16QAM	1	74	19.27	19.95	20.17		
15	16QAM	36	0	20.09	20.01	20.27	21.1	0
15	16QAM	36	20	19.86	19.98	20.20		
15	16QAM	36	39	20.09	20.06	20.23		
15	16QAM	75	0	19.49	20.18	20.34		
15	64QAM	1	0	19.39	19.68	19.85	21.1	0
15	64QAM	1	37	19.25	19.76	19.79		
15	64QAM	1	74	19.50	19.62	19.61		
15	64QAM	36	0	19.51	20.01	20.05		
15	64QAM	36	20	19.53	19.88	20.05	21.1	0
15	64QAM	36	39	19.84	19.89	19.97		
15	64QAM	75	0	19.54	19.82	20.07		
Channel				37800	38000	38200	19.1	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.72	20.12	20.11		
10	QPSK	1	25	19.28	19.91	19.97		
10	QPSK	1	49	19.34	19.82	19.98	21.1	0
10	QPSK	25	0	19.37	20.15	20.10		
10	QPSK	25	12	19.74	20.25	20.11		
10	QPSK	25	25	19.41	19.96	20.19		
10	QPSK	50	0	19.42	20.15	20.36	21.1	0
10	16QAM	1	0	19.33	20.18	20.27		
10	16QAM	1	25	19.34	20.18	20.02		
10	16QAM	1	49	19.37	19.95	20.19		
10	16QAM	25	0	20.14	20.08	20.17	21.1	0
10	16QAM	25	12	19.83	19.98	20.28		
10	16QAM	25	25	20.17	20.09	20.31		
10	16QAM	50	0	19.41	20.12	20.40		
10	64QAM	1	0	19.43	19.60	19.86	21.1	0
10	64QAM	1	25	19.29	19.78	19.74		
10	64QAM	1	49	19.55	19.67	19.61		
10	64QAM	25	0	19.44	19.99	20.14		
10	64QAM	25	12	19.88	19.79	20.01	21.1	0
10	64QAM	25	25	19.85	19.94	20.04		
10	64QAM	50	0	19.48	19.79	19.98		
Channel				37775	38000	38225	19.1	0
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.72	20.17	20.07		
5	QPSK	1	12	19.32	19.96	20.07		
5	QPSK	1	24	19.41	19.80	19.95	21.1	0
5	QPSK	12	0	19.36	20.21	20.16		
5	QPSK	12	7	19.72	20.15	20.03		
5	QPSK	12	13	19.40	19.92	20.15		
5	QPSK	25	0	19.31	20.19	20.43	21.1	0
5	16QAM	1	0	19.30	20.11	20.35		
5	16QAM	1	12	19.40	20.19	20.00		
5	16QAM	1	24	19.35	19.90	20.09		
5	16QAM	12	0	20.14	20.03	20.15	21.1	0
5	16QAM	12	7	19.73	20.02	20.30		
5	16QAM	12	13	20.18	20.07	20.21		
5	16QAM	25	0	19.46	19.21	20.31		
5	64QAM	1	0	19.37	19.52	19.92	21.1	0
5	64QAM	1	12	19.39	19.68	19.81		
5	64QAM	1	24	19.50	19.60	19.63		
5	64QAM	12	0	19.49	19.90	20.10		
5	64QAM	12	7	19.97	19.75	20.10	21.1	0
5	64QAM	12	13	19.79	19.90	20.03		
5	64QAM	25	0	19.53	19.84	20.00		

Band 38(only on channel required) DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	0	19.21	19.20	19.16	19.1	0
20	QPSK	1	49	19.25	19.27	19.23		
20	QPSK	1	99	19.25	19.29	19.23		
20	QPSK	50	0	19.38	19.30	19.29		
20	QPSK	50	24	19.38	19.39	19.36	19.1	0
20	QPSK	50	50	19.38	19.37	19.38		
20	QPSK	100	0	19.38	19.40	19.38		
20	16QAM	1	0	19.35	19.32	19.32		
20	16QAM	1	49	19.31	19.36	19.34	19.1	0
20	16QAM	1	99	19.36	19.41	19.38		
20	16QAM	50	0	19.40	19.35	19.33		
20	16QAM	50	24	19.44	19.41	19.41		
20	16QAM	50	50	19.40	19.41	19.41	19.1	0
20	16QAM	100	0	19.42	19.40	19.38		
20	64QAM	1	0	19.06	19.04	17.99		
20	64QAM	1	49	19.02	19.06	19.06		
20	64QAM	1	99	19.09	19.12	19.15	19.1	0
20	64QAM	50	0	19.39	19.33	19.33		
20	64QAM	50	24	19.41	19.43	19.44		
20	64QAM	50	50	19.43	19.41	19.42		
20	64QAM	100	0	19.41	19.39	19.40	19.1	0
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.19	19.13	19.18		
15	QPSK	1	37	19.17	19.14	19.17		
15	QPSK	1	74	19.16	19.13	19.15		
15	QPSK	36	0	19.14	19.14	19.20		
15	QPSK	36	20	19.17	19.21	19.14	19.1	0
15	QPSK	36	39	19.20	19.12	19.13		
15	QPSK	75	0	19.19	19.21	19.18		
15	16QAM	1	0	19.17	19.21	19.20		
15	16QAM	1	37	19.14	19.20	19.13	19.1	0
15	16QAM	1	74	19.15	19.20	19.14		
15	16QAM	36	0	19.15	19.20	19.15		
15	16QAM	36	20	19.14	19.12	19.20		
15	16QAM	36	39	19.21	19.17	19.21	19.1	0
15	16QAM	75	0	19.20	19.12	19.11		
15	64QAM	1	0	19.13	19.17	19.11		
15	64QAM	1	37	19.16	19.17	19.17		
15	64QAM	1	74	19.15	19.13	19.20	19.1	0
15	64QAM	36	0	19.14	19.17	19.21		
15	64QAM	36	20	19.21	19.18	19.18		
15	64QAM	36	39	19.15	19.14	19.11		
15	64QAM	75	0	19.20	19.11	19.11	19.1	0
Channel				37800	38000	38200		
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.13	19.12	19.12		
10	QPSK	1	25	19.17	19.14	19.12		
10	QPSK	1	49	19.11	19.19	19.18		
10	QPSK	25	0	19.18	19.13	19.20		
10	QPSK	25	12	19.12	19.12	19.13	19.1	0
10	QPSK	25	25	19.14	19.18	19.15		
10	QPSK	50	0	19.12	19.11	19.18		
10	16QAM	1	0	19.19	19.15	19.14		
10	16QAM	1	25	19.20	19.11	19.18	19.1	0
10	16QAM	1	49	19.12	19.11	19.21		
10	16QAM	25	0	19.12	19.11	19.12		
10	16QAM	25	12	19.12	19.19	19.19		
10	16QAM	25	25	19.13	19.16	19.17	19.1	0
10	16QAM	50	0	19.21	19.13	19.12		
10	64QAM	1	0	19.11	19.21	19.11		
10	64QAM	1	25	19.19	19.18	19.20		
10	64QAM	1	49	19.13	19.12	19.18	19.1	0
10	64QAM	25	0	19.18	19.13	19.13		
10	64QAM	25	12	19.21	19.19	19.20		
10	64QAM	25	25	19.20	19.16	19.21		
10	64QAM	50	0	19.14	19.14	19.21	19.1	0
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.14	19.13	19.13		
5	QPSK	1	12	19.16	19.20	19.16		
5	QPSK	1	24	19.11	19.19	19.19		
5	QPSK	12	0	19.13	19.13	19.12		
5	QPSK	12	7	19.14	19.20	19.11	19.1	0
5	QPSK	12	13	19.19	19.11	19.15		
5	QPSK	25	0	19.14	19.15	19.17		
5	16QAM	1	0	19.18	19.17	19.20		
5	16QAM	1	12	19.16	19.13	19.13	19.1	0
5	16QAM	1	24	19.17	19.21	19.11		
5	16QAM	12	0	19.17	19.17	19.14		
5	16QAM	12	7	19.13	19.11	19.14		
5	16QAM	12	13	19.20	19.15	19.11	19.1	0
5	16QAM	26	0	19.13	19.15	19.13		
5	16QAM	1	12	19.21	19.17	19.11		
5	64QAM	1	12	19.13	19.16	19.19		
5	64QAM	1	24	19.19	19.17	19.19	19.1	0
5	64QAM	12	7	19.11	19.12	19.16		
5	64QAM	12	13	19.17	19.18	19.16		
5	64QAM	25	0	19.14	19.18	19.16		

Band 38(only on channel required)_Ant2 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.73	18.69	18.61	19.8	0	
20	QPSK	1	49	18.77	18.69	18.59			
20	QPSK	1	99	18.76	18.66	18.55			
20	QPSK	50	0	18.80	18.80	18.65	19.8	0	
20	QPSK	50	24	18.84	18.85	18.77			
20	QPSK	50	50	18.76	18.83	18.71			
20	QPSK	100	0	18.82	18.84	18.75	19.8	0	
20	16QAM	1	0	18.84	18.82	18.72			
20	16QAM	1	49	18.81	18.74	18.65			
20	16QAM	1	99	18.82	18.73	18.68	19.8	0	
20	16QAM	50	0	18.83	18.83	18.72			
20	16QAM	50	24	18.85	18.89	18.80			
20	16QAM	50	50	18.76	18.85	18.75	19.8	0	
20	16QAM	100	0	18.85	18.89	18.78			
20	64QAM	1	0	18.77	18.54	18.39			
20	64QAM	1	49	18.75	18.52	18.43	19.8	0	
20	64QAM	1	99	18.83	18.53	18.44			
20	64QAM	50	0	18.78	17.96	17.83			
20	64QAM	50	24	18.79	18.02	17.91	19.8	0	
20	64QAM	50	50	18.80	17.97	17.86			
20	64QAM	100	0	18.84	17.98	17.89			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.77	18.63	18.53	19.8	0	
15	QPSK	1	37	18.79	18.66	18.52			
15	QPSK	1	74	18.80	18.65	18.49			
15	QPSK	36	0	18.96	18.77	18.67	19.8	0	
15	QPSK	36	20	18.93	18.82	18.72			
15	QPSK	36	39	18.92	18.80	18.68			
15	16QAM	75	0	18.96	18.83	18.65	19.8	0	
15	16QAM	1	0	18.99	18.76	18.66			
15	16QAM	1	37	18.73	18.61	18.52			
15	16QAM	1	74	18.89	18.75	18.69	19.8	0	
15	16QAM	36	0	18.93	18.78	18.65			
15	16QAM	36	20	18.91	18.79	18.71			
15	16QAM	36	39	18.88	18.80	18.69	19.8	0	
15	16QAM	75	0	18.98	18.84	18.69			
15	64QAM	1	0	18.64	18.51	18.37			
15	64QAM	1	37	18.63	18.53	18.44	19.8	0	
15	64QAM	1	74	18.60	18.50	18.43			
15	64QAM	36	0	18.09	17.92	17.79			
15	64QAM	36	20	18.07	17.94	17.86	19.8	0	
15	64QAM	36	39	18.05	17.95	17.83			
15	64QAM	75	0	18.07	17.98	17.77			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.76	18.55	18.48	19.8	0	
10	QPSK	1	25	18.88	18.56	18.61			
10	QPSK	1	49	18.74	18.62	18.64			
10	QPSK	25	0	18.75	18.66	18.54	19.8	0	
10	QPSK	25	12	18.84	18.58	18.68			
10	QPSK	25	25	18.75	18.64	18.59			
10	16QAM	50	0	18.86	18.59	18.55	19.8	0	
10	16QAM	1	0	18.90	18.63	18.72			
10	16QAM	1	25	18.81	18.66	18.59			
10	16QAM	1	49	18.75	18.74	18.48	19.8	0	
10	16QAM	25	0	18.75	18.47	18.64			
10	16QAM	25	12	18.85	18.70	18.72			
10	16QAM	25	25	18.71	18.58	18.62	19.8	0	
10	16QAM	50	0	18.84	18.64	18.61			
10	64QAM	1	0	18.69	18.69	18.52			
10	64QAM	1	25	18.80	18.61	18.65	19.8	0	
10	64QAM	1	49	18.78	18.69	18.70			
10	64QAM	25	0	18.71	18.70	18.52			
10	64QAM	25	12	18.75	18.66	18.60	19.8	0	
10	64QAM	25	25	18.68	18.65	18.50			
10	64QAM	50	0	18.83	18.54	18.50			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.75	18.51	18.54	19.8	0	
5	QPSK	1	12	18.86	18.62	18.49			
5	QPSK	1	24	18.81	18.63	18.60			
5	QPSK	12	0	18.67	18.64	18.56	19.8	0	
5	QPSK	12	7	18.82	18.57	18.58			
5	QPSK	12	13	18.78	18.73	18.57			
5	16QAM	25	0	18.84	18.58	18.57	19.8	0	
5	16QAM	1	0	18.91	18.71	18.69			
5	16QAM	1	12	18.72	18.65	18.72			
5	16QAM	1	24	18.74	18.66	18.62	19.8	0	
5	16QAM	12	0	18.78	18.50	18.68			
5	16QAM	12	7	18.76	18.61	18.63			
5	16QAM	12	13	18.71	18.57	18.60	19.8	0	
5	64QAM	1	0	18.88	18.54	18.57			
5	64QAM	1	12	18.84	18.69	18.61			
5	64QAM	1	24	18.83	18.60	18.58	19.8	0	
5	64QAM	12	0	18.81	18.56	18.48			
5	64QAM	12	7	18.83	18.71	18.66			
5	64QAM	12	13	18.78	18.48	18.61	19.8	0	
5	64QAM	25	0	18.73	18.67	18.51			

Band 38(only on channel required)_Ant2 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	0	19.99	19.90	19.80	21	0	
20	QPSK	1	49	19.95	19.88	19.78			
20	QPSK	1	99	19.96	19.84	19.75			
20	QPSK	50	0	20.03	19.99	19.77	21	0	
20	QPSK	50	24	20.01	19.97	19.86			
20	QPSK	50	50	20.01	19.93	19.82			
20	QPSK	100	0	20.03	19.95	19.84	21	0	
20	16QAM	1	0	20.04	19.93	19.82			
20	16QAM	1	49	19.95	19.90	19.78			
20	16QAM	1	99	19.96	19.90	19.80	21	0	
20	16QAM	50	0	19.07	19.95	19.82			
20	16QAM	50	24	19.05	19.98	19.89			
20	16QAM	50	50	19.03	19.97	19.84	20	1	
20	64QAM	1	0	18.78	18.65	18.53			
20	64QAM	1	49	18.85	18.81	18.51			
20	64QAM	1	99	18.88	18.82	18.53	20	1	
20	64QAM	50	0	18.10	17.94	17.84			
20	64QAM	50	24	18.07	17.99	17.90			
20	64QAM	50	50	18.06	17.96	17.85	19	2	
20	64QAM	100	0	18.05	17.99	17.88			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.94	19.88	19.78	21	0	
15	QPSK	1	37	19.96	19.86	19.85			
15	QPSK	1	74	19.99	19.91	19.66			
15	QPSK	36	0	19.94	19.90	19.74	21	0	
15	QPSK	36	20	20.05	20.03	19.78			
15	QPSK	36	39	20.06	19.87	19.77			
15	16QAM	75	0	20.06	19.94	19.85	21	0	
15	16QAM	1	0	20.10	19.99	19.86			
15	16QAM	1	17	20.03	20.00	19.74	21	0	
15	16QAM	36	0	20.04	19.96	19.71			
15	16QAM	36	20	20.04	19.91	18.72			
15	16QAM	36	39	20.05	19.98	19.76	20	1	
15	16QAM	36	39	19.00	19.07	18.88			
15	16QAM	75	0	19.03	18.97	18.81			
15	64QAM	1	0	18.68	18.57	18.58	20	1	
15	64QAM	1	37	18.67	18.68	18.48			
15	64QAM	1	74	18.72	18.58	18.45			
15	64QAM	36	0	18.08	17.81	17.88	19	2	
15	64QAM	36	20	18.13	18.07	17.98			
15	64QAM	36	39	18.13	17.90	17.83			
15	64QAM	75	0	17.98	17.99	17.96	Channel		
Frequency (MHz)				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.96	19.88	19.78	21	0	
10	QPSK	1	25	20.04	19.85	19.81			
10	QPSK	1	50	19.99	19.79	19.72			
10	QPSK	25	0	19.94	19.89	19.69	21	0	
10	QPSK	25	12	19.93	20.02	19.76			
10	QPSK	25	25	19.91	19.97	19.79			
10	QPSK	50	0	19.97	20.03	19.89	21	0	
10	16QAM	1	0	20.00	19.95	19.84			
10	16QAM	1	25	19.98	19.87	19.76			
10	16QAM	1	49	19.96	19.82	19.69	20	1	
10	16QAM	25	0	19.00	18.86	18.92			
10	16QAM	25	12	19.01	19.94	18.88			
10	16QAM	25	25	19.06	19.00	18.94	20	1	
10	16QAM	50	0	19.96	18.89	18.80			
10	64QAM	1	0	18.73	18.65	18.63			
10	64QAM	1	25	18.57	18.63	18.53	20	1	
10	64QAM	1	49	18.73	18.70	18.46			
10	64QAM	25	0	18.16	17.68	17.43			
10	64QAM	25	12	18.12	18.06	17.87	19	2	
10	64QAM	25	25	18.14	17.89	17.92			
10	64QAM	50	0	18.10	18.02	17.80			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.87	19.96	19.87	21	0	
5	QPSK	1	12	19.98	19.79	19.88			
5	QPSK	1	24	19.90	19.94	19.70			
5	QPSK	12	0	19.84	19.88	19.74	21	0	
5	QPSK	12	12	20.04	19.95	19.79			
5	QPSK	12	13	20.03	19.95	19.74			
5	QPSK	25	0	20.05	19.95	19.87	21	0	
5	16QAM	1	0	20.11	19.90	19.78			
5	16QAM	1	12	20.14	19.93	19.74			
5	16QAM	1	24	20.10	19.98	19.63	20	1	
5	16QAM	12	0	19.07	19.89	19.66			
5	16QAM	12	7	19.03	19.03	19.07			
5	16QAM	12	13	19.03	19.16	18.86	20	1	
5	16QAM	26	0	19.00	19.02	18.81			
5	50QAM	1	0	18.56	18.51	18.67			
5	64QAM	1	12	18.75	18.60	18.43	20	1	
5	64QAM	1	24	18.81	18.52	18.43			
5	64QAM	12	0	18.02	17.97	17.81			
5	64QAM	12	7	18.23	18.02	17.92	19	2	
5	64QAM	12	13	18.07	18.00	17.75			
5	64QAM	25	0	17.89	18.05	18.04			

Band 41/HPIUE (2.6G Band) Ant 1 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21.1	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.32	20.41	20.44	20.38	20.32	21.1	0
20	QPSK	1	49	20.33	20.44	20.34	20.32	20.34		
20	QPSK	1	99	20.40	20.47	20.37	20.37	20.35	21.1	0
20	QPSK	50	0	20.38	20.47	20.54	20.40	20.42		
20	QPSK	50	24	20.47	20.53	20.48	20.53	20.45	21.1	0
20	QPSK	50	50	20.48	20.49	20.42	20.47	20.46		
20	QPSK	100	0	20.52	20.55	20.56	20.47	20.55	21.1	0
20	16QAM	1	0	20.53	20.59	20.49	20.56	20.52		
20	16QAM	1	49	20.48	20.51	20.47	20.47	20.44	21.1	0
20	16QAM	1	99	20.52	20.52	20.45	20.42	20.50		
20	16QAM	50	0	20.47	20.53	20.48	20.43	20.50	21.1	0
20	16QAM	50	24	20.52	20.57	20.54	20.49	20.51		
20	16QAM	50	50	20.54	20.55	20.49	20.47	20.47	21.1	0
20	16QAM	100	0	20.52	20.56	20.55	20.56	20.47		
20	64QAM	1	0	20.01	20.11	20.11	20.03	20.05	21.1	0
20	64QAM	1	49	20.03	20.08	19.99	20.06	20.01		
20	64QAM	1	99	20.05	20.08	19.98	20.07	20.05	21.1	0
20	64QAM	50	0	20.31	20.32	20.28	20.28	20.25		
20	64QAM	50	24	20.27	20.37	20.27	20.32	20.32	21.1	0
20	64QAM	50	50	20.32	20.33	20.26	20.26	20.33		
20	64QAM	100	0	20.33	20.33	20.29	20.26	20.27	21.1	0
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.27	20.33	20.33	20.28	20.23	21.1	0
15	QPSK	1	37	20.24	20.34	20.34	20.24	20.26		
15	QPSK	1	74	20.36	20.43	20.37	20.35	20.29	21.1	0
15	QPSK	36	0	20.35	20.41	20.39	20.30	20.41		
15	QPSK	36	20	20.37	20.53	20.41	20.48	20.41	21.1	0
15	QPSK	36	39	20.41	20.45	20.41	20.46	20.36		
15	QPSK	75	0	20.40	20.46	20.47	20.43	20.51	21.1	0
15	16QAM	1	0	20.51	20.59	20.39	20.50	20.47		
15	16QAM	1	37	20.46	20.51	20.44	20.38	20.34	21.1	0
15	16QAM	1	74	20.51	20.50	20.37	20.40	20.45		
15	16QAM	36	0	20.47	20.44	20.41	20.42	20.47	21.1	0
15	16QAM	36	20	20.48	20.55	20.44	20.46	20.45		
15	16QAM	36	39	20.53	20.55	20.44	20.41	20.39	21.1	0
15	16QAM	75	0	20.49	20.46	20.48	20.46	20.40		
15	64QAM	1	0	20.01	20.08	20.10	19.98	19.95	21.1	0
15	64QAM	1	37	19.99	20.03	19.93	20.02	19.98		
15	64QAM	1	74	19.97	20.02	19.92	20.07	19.99	21.1	0
15	64QAM	36	0	20.26	20.28	20.21	20.24	20.16		
15	64QAM	36	20	20.24	20.28	20.23	20.22	20.27	21.1	0
15	64QAM	36	39	20.26	20.29	20.17	20.20	20.28		
15	64QAM	75	0	20.27	20.30	20.28	20.19	20.26	21.1	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.21	20.27	20.24	20.22	20.17	21.1	0
10	QPSK	1	25	20.23	20.28	20.33	20.14	20.15		
10	QPSK	1	49	20.31	20.41	20.29	20.30	20.26	21.1	0
10	QPSK	25	0	20.31	20.31	20.32	20.22	20.36		
10	QPSK	25	12	20.27	20.45	20.40	20.45	20.38	21.1	0
10	QPSK	25	25	20.36	20.39	20.34	20.44	20.30		
10	QPSK	50	0	20.46	20.39	20.45	20.37	20.47	21.1	0
10	16QAM	1	0	20.50	20.56	20.29	20.47	20.37		
10	16QAM	1	25	20.41	20.43	20.36	20.28	20.32	21.1	0
10	16QAM	1	49	20.45	20.43	20.27	20.34	20.40		
10	16QAM	25	0	20.43	20.42	20.41	20.35	20.46	21.1	0
10	16QAM	25	12	20.43	20.52	20.43	20.42	20.40		
10	16QAM	25	25	20.45	20.55	20.42	20.38	20.30	21.1	0
10	16QAM	50	0	20.42	20.45	20.44	20.44	20.38		
10	64QAM	1	0	19.92	20.01	20.00	19.95	19.88	21.1	0
10	64QAM	1	25	19.98	20.02	19.88	19.94	19.93		
10	64QAM	1	49	19.93	20.02	19.88	20.00	19.95	21.1	0
10	64QAM	25	0	20.25	20.22	20.20	20.20	20.08		
10	64QAM	25	12	20.22	20.24	20.19	20.19	20.18	21.1	0
10	64QAM	25	25	20.18	20.24	20.17	20.10	20.24		
10	64QAM	50	0	20.21	20.26	20.23	20.09	20.26	21.1	0
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	20.13	20.17	20.15	20.19	20.14	21.1	0
5	QPSK	1	12	20.15	20.18	20.32	20.13	20.14		
5	QPSK	1	24	20.31	20.34	20.21	20.23	20.21	21.1	0
5	QPSK	12	0	20.25	20.25	20.29	20.15	20.29		
5	QPSK	12	7	20.17	20.42	20.32	20.45	20.31	21.1	0
5	QPSK	12	13	20.31	20.37	20.25	20.39	20.24		
5	QPSK	25	0	20.46	20.37	20.36	20.37	20.42	21.1	0
5	16QAM	1	0	20.40	20.55	20.24	20.46	20.34		
5	16QAM	1	12	20.40	20.43	20.33	20.23	20.28	21.1	0
5	16QAM	1	24	20.42	20.37	20.25	20.24	20.34		
5	16QAM	12	0	20.33	20.40	20.32	20.31	20.37	21.1	0
5	16QAM	12	7	20.33	20.47	20.37	20.32	20.38		
5	16QAM	12	13	20.37	20.54	20.35	20.31	20.22	21.1	0
5	16QAM	25	0	20.42	20.43	20.39	20.34	20.26		
5	64QAM	1	0	19.92	19.93	19.90	19.84	19.82	21.1	0
5	64QAM	1	12	19.93	20.00	19.80	19.88	19.83		
5	64QAM	1	24	19.86	20.00	19.83	19.95	19.87	21.1	0
5	64QAM	12	0	20.18	20.22	20.19	20.13	20.02		
5	64QAM	12	7	20.19	20.17	20.13	20.11	20.08	21.1	0
5	64QAM	12	13	20.09	20.18	20.17	20.03	20.18		
5	64QAM	25	0	20.17	20.16	20.13	20.09	20.25	21.1	0

Band 41/HPIUE (2.6G Band)Ant 1 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.85	18.08	18.37	18.10	18.20	19.1	0
20	QPSK	1	49	17.99	18.19	18.28	18.09	18.16		
20	QPSK	1	99	18.00	18.21	18.37	18.13	18.19	19.1	0
20	QPSK	50	0	18.03	18.20	18.47	18.20	18.20		
20	QPSK	50	24	18.13	18.33	18.35	18.22	18.24	19.1	0
20	QPSK	50	50	18.12	18.33	18.45	18.21	18.29		
20	QPSK	100	0	18.14	18.33	18.42	18.19	18.22	19.1	0
20	16QAM	1	0	18.08	18.24	18.42	18.24	18.39		
20	16QAM	1	49	18.04	18.22	18.38	18.15	18.26	19.1	0
20	16QAM	1	99	18.11	18.28	18.52	18.22	18.33		
20	16QAM	50	0	18.03	18.25	18.42	18.24	18.27	19.1	0
20	16QAM	50	24	18.14	18.37	18.47	18.25	18.25		
20	16QAM	50	50	18.14	18.38	18.49	18.24	18.34	19.1	0
20	16QAM	100	0	18.15	18.38	18.45	18.21	18.24		
20	64QAM	1		17.71	17.90	18.13	17.84	18.01	19.1	0
20	64QAM	1	49	17.80	18.01	18.12	17.89	18.00		
20	64QAM	1	99	17.83	18.08	18.23	17.87	18.08	19.1	0
20	64QAM	50	0	18.06	18.28	18.29	18.05	18.25		
20	64QAM	50	24	18.20	18.41	18.49	18.28	18.28	19.1	0
20	64QAM	50	50	18.15	18.38	18.49	18.27	18.33		
20	64QAM	100	0	18.21	18.38	18.47	18.25	18.27	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.80	17.93	17.85	17.88	17.91	19.1	0
15	QPSK	1	47	17.85	17.93	17.80	17.84	17.93		
15	QPSK	1	94	17.88	17.89	17.80	17.89	17.91	19.1	0
15	QPSK	36	0	17.89	17.93	17.93	17.91	17.85		
15	QPSK	36	20	17.94	17.84	17.88	17.89	17.89	19.1	0
15	QPSK	36	17.85	17.85	17.85	17.85	17.84	17.85		
15	QPSK	75	0	17.84	17.84	17.85	17.84	17.94	19.1	0
15	16QAM	1	0	17.93	17.84	17.84	17.84	17.85		
15	16QAM	1	47	17.91	17.91	17.85	17.87	17.85	19.1	0
15	16QAM	1	94	17.94	17.94	17.92	17.89	17.91		
15	16QAM	36	0	17.89	17.90	17.86	17.91	17.88	19.1	0
15	16QAM	36	17.93	17.84	17.84	17.85	17.85	17.85		
15	16QAM	36	99	17.91	17.93	17.89	17.91	17.88	19.1	0
15	16QAM	75	0	17.93	17.88	17.93	17.87	17.96		
15	64QAM	1	0	17.90	17.93	17.87	17.88	17.89	19.1	0
15	64QAM	1	47	17.88	17.87	17.90	17.89	17.85		
15	64QAM	1	94	17.88	17.93	17.86	17.84	17.85	19.1	0
15	64QAM	36	17.88	17.89	17.84	17.85	17.85	17.85		
15	64QAM	36	20	17.92	17.86	17.93	17.93	17.92	19.1	0
15	64QAM	36	99	17.88	17.87	17.92	17.92	17.94		
15	64QAM	75	0	17.91	17.94	17.90	17.90	17.90	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41050	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.87	17.91	17.93	17.94	17.87	19.1	0
10	QPSK	1	25	17.90	17.84	17.84	17.84	17.84		
10	QPSK	1	49	17.93	17.92	17.92	17.89	17.86	19.1	0
10	QPSK	25	0	17.88	17.94	17.85	17.90	17.88		
10	QPSK	25	12	17.87	17.88	17.85	17.85	17.84	19.1	0
10	QPSK	25	25	17.92	17.90	17.90	17.87	17.84		
10	QPSK	50	0	17.84	17.90	17.90	17.88	17.94	19.1	0
10	16QAM	1	0	17.93	17.89	17.88	17.88	17.88		
10	16QAM	1	25	17.86	17.84	17.92	17.87	17.91	19.1	0
10	16QAM	1	49	17.92	17.87	17.88	17.87	17.86		
10	16QAM	25	0	17.90	17.94	17.85	17.89	17.93	19.1	0
10	16QAM	25	12	17.91	17.91	17.84	17.84	17.85		
10	16QAM	25	25	17.89	17.85	17.92	17.94	17.93	19.1	0
10	16QAM	50	0	17.84	17.93	17.88	17.87	17.87		
10	64QAM	1	0	17.90	17.87	17.88	17.87	17.87	19.1	0
10	64QAM	1	25	17.86	17.85	17.93	17.92	17.92		
10	64QAM	1	49	17.82	17.89	17.93	17.87	17.89	19.1	0
10	64QAM	25	0	17.93	17.90	17.90	17.89	17.90		
10	64QAM	25	12	17.94	17.93	17.85	17.90	17.91	19.1	0
10	64QAM	25	25	17.92	17.87	17.89	17.89	17.89		
10	64QAM	50	0	17.82	17.88	17.88	17.87	17.84	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41053	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	17.91	17.94	17.85	17.88	17.94	19.1	0
5	QPSK	1	12	17.94	17.89	17.84	17.88	17.86		
5	QPSK	1	24	17.88	17.90	17.88	17.88	17.88	19.1	0
5	QPSK	12	0	17.91	17.87	17.84	17.91	17.93		
5	QPSK	12	7	17.94	17.88	17.85	17.90	17.91	19.1	0
5	QPSK	12	13	17.88	17.91	17.93	17.84	17.90		
5	QPSK	25	0	17.91	17.93	17.92	17.91	17.93	19.1	0
5	16QAM	1	0	17.94	17.92	17.91	17.91	17.94		
5	16QAM	1	12	17.93	17.91	17.92	17.84	17.93	19.1	0
5	16QAM	1	24	17.92	17.92	17.89	17.94	17.93		
5	16QAM	12	0	17.93	17.93	17.92	17.92	17.92	19.1	0
5	16QAM	12	7	17.89	17.94	17.88	17.90	17.88		
5	16QAM	12	13	17.86	17.85	17.88	17.84	17.86	19.1	0
5	16QAM	25	0	17.88	17.93	17.91	17.91	17.87		
5	64QAM	1	0	17.85	17.93	17.85	17.89	17.84	19.1	0
5	64QAM	1	12	17.94	17.91	17.90	17.87	17.91		
5	64QAM	1	24	17.86	17.84	17.85	17.88	17.88	19.1	0
5	64QAM	12	0	17.92	17.87	17.92	17.91	17.88		
5	64QAM	12	7	17.93	17.94	17.91	17.93	17.90	19.1	0
5	64QAM	12	13	17.87	17.85	17.85	17.85	17.85		
5	64QAM	25	0	17.93	17.85	17.88	17.90	17.84	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41058	41515		

Band 41/HPUE (2.6G Band)_Ant2 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39759	40185	40620	41055	41490	19.8	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.03	18.03	17.97	17.97	17.99	19.8	0
20	QPSK	1	49	18.00	17.93	17.99	17.95	18.00		
20	QPSK	1	99	17.99	17.93	17.94	17.95	17.94	19.8	0
20	QPSK	50	0	17.97	17.98	17.97	17.98	17.98		
20	QPSK	50	24	17.93	17.95	18.01	17.98	17.93	19.8	0
20	QPSK	50	50	17.96	17.98	17.93	17.95	17.95		
20	QPSK	100	0	17.97	17.98	18.03	18.00	17.99	19.8	0
20	16QAM	1	0	17.95	17.98	18.03	18.00	17.99		
20	16QAM	1	49	17.96	18.03	18.03	17.93	17.98	19.8	0
20	16QAM	1	99	18.02	18.02	18.02	18.02	17.95		
20	16QAM	50	0	17.97	17.98	17.93	18.03	17.95	19.8	0
20	16QAM	50	24	17.97	17.98	18.03	17.96	18.00		
20	16QAM	50	50	17.94	18.02	17.96	17.95	17.97	19.8	0
20	16QAM	100	0	18.02	17.99	17.98	17.98	17.95		
20	64QAM	1	0	18.00	18.03	17.98	17.97	17.93	19.8	0
20	64QAM	1	49	17.96	18.03	17.93	18.00	18.00		
20	64QAM	1	99	17.98	17.98	17.93	17.96	18.03	19.8	0
20	64QAM	50	0	17.95	17.94	17.95	17.97	17.99		
20	64QAM	50	24	17.98	17.98	17.98	17.99	17.94	19.8	0
20	64QAM	50	50	17.94	17.96	17.98	17.94	18.03		
20	64QAM	100	0	17.93	17.97	17.96	17.97	17.99	19.8	0
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				25035	25473	2593	2637.5	2682.5	19.8	0
16	QPSK	1	0	18.03	18.03	18.03	17.94	17.93		
16	QPSK	1	37	17.94	18.02	17.99	17.94	18.01	19.8	0
16	QPSK	1	74	17.94	18.00	18.02	17.99	17.94		
16	QPSK	36	0	18.02	18.00	17.99	17.96	18.00	19.8	0
16	QPSK	36	20	18.02	18.00	17.99	17.95	18.01		
16	QPSK	36	39	17.94	17.95	17.97	17.93	18.03	19.8	0
16	QPSK	75	0	17.96	18.00	17.98	18.02	17.99		
16	16QAM	1	0	17.96	17.94	17.93	18.03	17.94	19.8	0
16	16QAM	1	37	17.98	17.96	17.94	17.99	17.94		
16	16QAM	1	74	17.97	18.02	18.02	17.97	17.94	19.8	0
16	16QAM	36	0	17.95	17.93	17.98	17.98	17.98		
16	16QAM	36	20	17.96	18.01	17.97	18.03	17.95	19.8	0
16	16QAM	36	39	17.95	18.00	17.95	18.01	17.97		
16	16QAM	75	0	18.03	17.97	17.98	18.02	18.03	19.8	0
16	64QAM	1	0	18.01	17.97	18.03	18.00	17.99		
16	64QAM	1	37	17.98	18.02	18.02	18.03	17.95	19.8	0
16	64QAM	1	74	17.95	18.00	17.98	18.01	18.01		
16	64QAM	36	0	17.93	17.93	17.98	18.01	18.00	19.8	0
16	64QAM	36	20	17.94	17.97	17.97	18.00	18.03		
16	64QAM	36	39	17.98	17.98	17.98	18.01	17.98	19.8	0
16	64QAM	75	0	17.99	17.97	17.98	17.99	17.93		
Channel				39700	40160	40620	41080	41540	19.8	0
Frequency (MHz)				25015	2547	2593	2637	2683		
10	QPSK	1	0	18.03	17.95	18.01	17.96	17.99	19.8	0
10	QPSK	1	25	18.02	18.00	17.96	18.01	17.98		
10	QPSK	1	49	17.93	18.00	17.98	17.93	17.99	19.8	0
10	QPSK	25	0	18.01	17.97	17.93	17.93	18.00		
10	QPSK	25	12	17.95	17.97	17.98	17.98	17.99	19.8	0
10	QPSK	25	25	17.96	17.95	17.99	17.93	17.95		
10	QPSK	50	0	17.93	18.00	18.02	17.94	18.02	19.8	0
10	16QAM	1	0	17.93	18.01	18.01	18.00	17.95		
10	16QAM	1	25	17.94	17.96	18.03	17.93	18.01	19.8	0
10	16QAM	1	49	17.96	17.94	17.98	17.93	17.98		
10	16QAM	25	0	17.93	17.96	18.01	17.99	18.03	19.8	0
10	16QAM	25	12	17.95	17.98	18.02	18.00	17.94		
10	16QAM	25	25	17.97	18.03	17.98	17.96	17.94	19.8	0
10	16QAM	50	0	17.97	17.99	17.99	17.93	18.01		
10	64QAM	1	0	17.97	17.94	18.01	17.95	18.01	19.8	0
10	64QAM	1	25	17.96	18.03	18.01	18.00	17.98		
10	64QAM	1	49	17.93	17.96	18.02	17.94	18.01	19.8	0
10	64QAM	25	0	18.01	17.98	17.96	18.01	18.02		
10	64QAM	25	12	17.99	17.93	17.95	18.00	18.01	19.8	0
10	64QAM	25	25	17.95	17.93	17.98	17.98	17.93		
10	64QAM	50	0	17.97	18.00	18.03	18.03	18.00	19.8	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	19.8	0
5	QPSK	1	0	18.02	17.96	17.99	18.02	18.02		
5	QPSK	1	12	18.03	17.94	17.95	18.02	18.00	19.8	0
5	QPSK	1	24	17.96	17.95	17.95	18.02	17.95		
5	QPSK	12	0	17.96	18.00	17.96	18.00	17.99	19.8	0
5	QPSK	12	7	17.95	17.99	18.01	17.98	17.98		
5	QPSK	12	13	18.00	17.94	17.99	18.02	18.00	19.8	0
5	QPSK	25	0	18.02	17.98	17.99	17.99	17.93		
5	16QAM	1	0	17.96	18.03	17.95	17.97	18.02	19.8	0
5	16QAM	1	12	17.98	18.01	18.00	18.02	17.96		
5	16QAM	1	24	17.97	17.99	18.00	18.01	18.00	19.8	0
5	16QAM	12	0	18.02	17.93	17.98	18.03	17.97		
5	16QAM	12	7	17.93	17.94	17.97	17.93	17.94	19.8	0
5	16QAM	12	13	18.01	18.01	17.97	18.01	17.94		
5	64QAM	1	0	17.94	18.03	18.01	17.95	18.03	19.8	0
5	64QAM	1	0	17.96	17.94	18.01	17.99	18.03		
5	64QAM	1	12	17.93	17.97	17.94	18.01	17.93	19.8	0
5	64QAM	1	24	17.95	17.98	17.99	17.99	17.93		
5	64QAM	12	0	18.00	17.97	17.94	18.03	18.03	19.8	0
5	64QAM	12	7	17.99	17.93	18.03	17.98	17.96		
5	64QAM	12	13	17.99	17.93	17.98	18.02	17.98	19.8	0
5	64QAM	25	0	17.97	17.99	17.96	18.00	17.97		

Band 41/HPUE (2.6G Band)_Ant2 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39759	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.26	19.22	19.14	19.02	19.01	21	0
20	QPSK	1	49	19.23	19.13	19.09	19.04	19.05		
20	QPSK	1	99	19.26	19.17	19.03	19.03	19.06	21	0
20	QPSK	50	0	19.17	19.08	19.09	19.24	19.07		
20	QPSK	50	24	19.21	19.34	19.47	19.02	19.10	21	0
20	QPSK	50	50	19.02	19.11	19.19	19.12	19.11		
20	QPSK	100	0	19.20	19.12	19.19	19.01	19.12	21	0
20	16QAM	1	0	19.21	19.12	19.03	19.08	19.14		
20	16QAM	1	49	19.88	19.23	19.52	19.05	19.15	21	0
20	16QAM	1	99	19.03	19.10	19.54	19.29	19.14		
20	16QAM	50	0	19.03	19.05	19.00	19.04	19.11	21	0
20	16QAM	50	24	19.12	19.14	19.06	19.06	19.05		
20	16QAM	50	50	19.87	19.09	19.87	19.07	19.06	21	0
20	16QAM	100	0	19.20	19.10	19.67	19.10	19.07		
20	64QAM	1	0	19.15	19.89	19.20	19.03	19.07	21	0
20	64QAM	1	49	19.32	20.02	19.26	19.12	19.06		
20	64QAM	1	99	19.10	19.15	19.13	19.06	19.10	21	0
20	64QAM	50	0	19.05	19.15	19.20	19.11	19.07		
20	64QAM	50	24	19.02	19.16	19.15	19.12	19.05	20	1
20	64QAM	50	50	18.83	19.20	19.03	19.10	19.16		
20	64QAM	100	0	19.43	19.30	19.37	19.11	19.10		
Channel				39755	40173	40620	27746.15	19.05	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	1305.615	18.13		
15	QPSK	1	0	19.12	19.19	19.13	19.16	19.11	21	0
15	QPSK	1	49	19.14	19.16	19.16	19.14	19.14		
15	QPSK	1	99	19.16	19.15	19.11	19.13	19.13	21	0
15	QPSK	50	0	19.14	19.12	19.11	19.13	19.18		
15	QPSK	50	24	19.20	19.12	19.21	19.17	19.12	21	0
15	QPSK	50	50	19.15	19.15	19.11	19.13	19.16		
15	QPSK	75	0	19.14	19.16	19.21	19.18	19.20	21	0
15	16QAM	1	0	19.14	19.16	19.21	19.11	19.17		
15	16QAM	1	49	19.17	19.21	19.19	19.12	19.14	21	0
15	16QAM	1	74	19.21	19.21	19.15	19.20	19.11		
15	16QAM	50	0	19.16	19.17	19.11	19.11	19.16	21	0
15	16QAM	50	24	19.11	19.21	19.16	19.15	19.15		
15	16QAM	50	50	19.13	19.14	19.12	19.16	19.18	21	0
15	16QAM	75	0	19.16	19.13	19.21	19.13	19.16		
15	64QAM	12	0	19.21	19.12	19.15	19.12	19.12	21	0
15	64QAM	1	37	19.19	19.11	19.15	19.14	19.17		
15	64QAM	1	74	19.20	19.20	19.21	19.16	19.21	21	0
15	64QAM	50	19	19.21	19.14	19.21	19.19	19.19		
15	64QAM	50	20	19.21	19.13	19.21	19.16	19.11	20	1
15	64QAM	50	39	19.13	19.14	19.21	19.19	19.11		
15	64QAM	75	0	19.15	19.13	19.21	19.17	19.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.12	19.19	19.15	19.21	19.15	21	0
10	QPSK	1	49	19.12	19.14	19.16	19.14	19.16		
10	QPSK	1	99	19.20	19.18	19.12	19.18	19.18	21	0
10	QPSK	25	0	19.15	19.14	19.11	19.11	19.20		
10	QPSK	25	1	19.21	19.13	19.13	19.11	19.21	21	0
10	QPSK	25	25	19.13	19.21	19.21	19.21	19.19		
10	QPSK	50	0	19.19	19.19	19.12	19.20	19.15	21	0
10	16QAM	1	0	19.21	19.20	19.17	19.16	19.19		
10	16QAM	1	25	19.17	19.20	19.17	19.16	19.14	21	0
10	16QAM	1	49	19.12	19.15	19.16	19.21	19.13		
10	16QAM	25	0	19.17	19.14	19.19	19.20	19.19	21	0
10	16QAM	25	12	19.21	19.15	19.19	19.13	19.13		
10	16QAM	25	25	19.14	19.18	19.12	19.21	19.20	21	0
10	16QAM	50	0	19.17	19.21	19.18	19.18	19.19		
10	64QAM	1	0	19.19	19.18	19.11	19.20	19.17	21	0
10	64QAM	1	25	19.15	19.16	19.18	19.12	19.19		
10	64QAM	1	49	19.13	19.12	19.15	19.19	19.17	21	0
10	64QAM	25	0	19.18	19.15	19.19	19.14	19.15		
10	64QAM	25	12	19.16	19.13	19.15	19.21	19.17	20	1
10	64QAM	25	25	19.17	19.13	19.21	19.16	19.14		
10	64QAM	50	0	19.13	19.19	19.16	19.16	19.16		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.11	19.16	19.15	19.17	19.13	21	0
5	QPSK	1	19	19.18	19.17	19.11	19.11	19.16		
5	QPSK	1	24	19.11	19.19	19.14	19.16	19.19	21	0
5	QPSK	12	0	19.20	19.15	19.15	19.19	19.19		
5	QPSK	12	19	19.17	19.11	19.11	19.17	19.16	21	0
5	QPSK	12	13	19.17	19.16	19.20	19.17	19.16		
5	QPSK	25	0	19.18	19.21	19.19	19.16	19.15	21	0
5	16QAM	1	0	19.13	19.16	19.17	19.17	19.17		
5	16QAM	1	12	19.12	19.21	19.18	19.19	19.19	21	0
5	16QAM	1	24	19.15	19.14	19.21	19.15	19.19		
5	16QAM	12	18	19.14	19.14	19.12	19.14	19.14	21	0
5	16QAM	12	7	19.14	19.19	19.21	19.14	19.12		
5	16QAM	12	13	19.13	19.13	19.18	19.13	19.12	21	0
5	16QAM	25	18	19.15	19.11	19.22	19.16	19.17		
5	64QAM	1	12	19.12	19.12	19.14	19.13	19.17	21	0
5	64QAM	1	12	19.12	19.21	19.14	19.13	19.16		
5	64QAM	12	1	19.17	19.12	19.16	19.16	19.16	21	0
5	64QAM	12	0	19.20	19.14	19.17	19.11	19.15		
5	64QAM	12	7	19.13	19.13	19.12	19.15	19.17	20	1
5	64QAM	12	17	19.12	19.13	19.13	19.16	19.16		
5	64QAM	25	0	19.11	19.15	19.11	19.15	19.17		

n5_Ant 1 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167300	167800	Tune-up limit (dBm)		
Frequency (MHz)				834	836.5	839	MPR (dB)		
20	PI/2 BPSK	1	1	23.18	23.21	23.13	24.0	0.0	
20	PI/2 BPSK	1	53	23.13	23.16	23.09			
20	PI/2 BPSK	1	104	23.05	23.06	23.09			
20	PI/2 BPSK	50	0	23.01	23.09	23.01	24.0	0.0	
20	PI/2 BPSK	50	28	22.96	23.04	22.96			
20	PI/2 BPSK	50	56	22.96	23.02	22.96			
20	PI/2 BPSK	100	0	21.19	22.99	21.22	23.5	0.5	
20	QPSK	1	1	23.09	23.22	23.06	24.0	0.0	
20	QPSK	1	53	23.10	23.24	23.08			
20	QPSK	1	104	23.01	23.13	23.01			
20	QPSK	50	0	22.93	23.09	22.96	24.0	0.0	
20	QPSK	50	28	22.94	23.05	22.87			
20	QPSK	50	56	22.94	22.98	22.91			
20	QPSK	100	0	22.86	22.93	22.88	23.0	1.0	
20	16QAM	1	1	22.85	22.96	22.79	23.0	1.0	
20	16QAM	1	53	22.75	22.79	22.61			
20	16QAM	1	104	22.67	22.62	22.59			
20	16QAM	50	0	22.48	22.48	22.52	23.0	1.0	
20	16QAM	50	28	22.35	22.30	22.50			
20	16QAM	50	56	22.29	22.23	22.31			
20	16QAM	100	0	21.19	21.11	21.21	22.0	2.0	
20	64QAM	1	1	21.29	21.44	21.35	21.5	2.5	
20	64QAM	1	53	21.09	21.29	21.23			
20	64QAM	1	104	21.01	21.12	21.16			
20	64QAM	50	0	20.92	20.93	21.16	21.5	2.5	
20	64QAM	50	28	20.92	20.93	21.13			
20	64QAM	50	56	20.81	20.93	21.07			
20	64QAM	100	0	20.81	20.83	21.05	21.5	2.5	
Channel				166300	167300	168300	Tune-up limit (dBm)		
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)		
15	PI/2 BPSK	1	1	23.27	23.12	23.08	24.0	0.0	
15	QPSK	1	1	23.08	23.24	23.12	24.0	0.0	
15	16QAM	1	1	22.23	22.33	22.21	23.0	1.0	
15	16QAM	1	40	22.18	22.26	22.20			
15	16QAM	1	77	22.18	22.13	22.18			
15	16QAM	36	0	22.20	22.14	22.11	23.0	1.0	
15	16QAM	36	22	22.21	22.14	22.02			
15	16QAM	36	43	22.15	22.23	22.06			
15	16QAM	75	0	21.55	21.77	21.56	22.0	2.0	
15	64QAM	1	1	21.01	21.11	21.05	21.5	2.5	
15	64QAM	1	40	20.98	21.05	20.90			
15	64QAM	1	77	20.99	20.94	20.99			
15	64QAM	36	0	20.97	21.07	20.85	21.5	2.5	
15	64QAM	36	22	20.90	20.94	20.81			
15	64QAM	36	43	20.95	21.09	20.91			
15	64QAM	75	0	20.92	21.09	20.96	21.5	2.5	
Channel				166500	167300	168500	Tune-up limit (dBm)		
Frequency (MHz)				829	836.5	844	MPR (dB)		
10	PI/2 BPSK	1	1	23.11	22.98	23.10	24.0	0.0	
10	PI/2 BPSK	1	26	23.10	22.90	22.97			
10	PI/2 BPSK	1	50	22.98	22.86	22.94			
10	PI/2 BPSK	25	0	22.97	22.93	23.10	24.0	0.0	
10	PI/2 BPSK	25	14	22.98	22.94	22.96			
10	PI/2 BPSK	25	27	22.91	22.82	22.95			
10	PI/2 BPSK	50	0	22.31	22.22	22.34	23.5	0.5	
10	QPSK	1	1	23.05	22.90	23.04	24.0	0.0	
10	QPSK	1	26	23.03	22.72	22.89			
10	QPSK	1	50	22.96	22.73	23.00			
10	QPSK	25	0	23.05	22.76	23.02	24.0	0.0	
10	QPSK	25	14	22.93	22.74	22.99			
10	QPSK	25	27	23.04	22.77	22.92			
10	QPSK	50	0	22.01	21.87	21.88	23.0	1.0	
10	16QAM	1	1	22.28	22.79	22.20	23.0	1.0	
10	16QAM	1	26	22.12	22.72	22.16			
10	16QAM	1	50	22.08	22.72	22.10			
10	16QAM	25	0	22.17	22.74	22.12	23.0	1.0	
10	16QAM	25	14	22.22	22.73	22.10			
10	16QAM	25	27	22.25	22.73	22.01			
10	16QAM	50	0	21.14	21.73	20.99	22.0	2.0	
10	64QAM	1	1	20.93	21.38	21.03	21.5	2.5	
10	64QAM	1	26	20.84	21.38	20.84			
10	64QAM	1	50	20.85	21.34	20.84			
10	64QAM	25	0	20.87	21.31	21.01	21.5	2.5	
10	64QAM	25	14	20.76	21.19	20.97			
10	64QAM	25	27	20.80	21.34	20.95			
10	64QAM	50	0	20.76	21.35	20.85	21.5	2.5	
Channel				165300	167300	169300	Tune-up limit (dBm)		
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)		
5	PI/2 BPSK	1	1	23.29	23.09	23.07	24.0	0.0	
5	PI/2 BPSK	1	13	23.14	22.91	22.91			
5	PI/2 BPSK	1	23	23.23	22.92	22.88			
5	PI/2 BPSK	12	0	23.21	22.90	22.90	24.0	0.0	
5	PI/2 BPSK	12	7	23.16	22.90	22.98			
5	PI/2 BPSK	12	13	23.16	23.09	23.02			
5	PI/2 BPSK	25	0	22.77	22.49	22.33	23.5	0.5	
5	QPSK	1	1	23.08	23.02	23.11	24.0	0.0	
5	QPSK	1	13	22.98	23.02	23.01			
5	QPSK	1	23	22.96	23.00	23.06			
5	QPSK	12	0	23.05	22.96	23.02	24.0	0.0	
5	QPSK	12	7	22.96	23.00	23.04			
5	QPSK	12	13	23.02	22.90	23.04			
5	QPSK	25	0	22.05	21.88	22.01	23.0	1.0	
5	16QAM	1	1	22.28	22.93	22.19	23.0	1.0	
5	16QAM	1	13	22.12	22.89	22.06			
5	16QAM	1	23	22.14	22.75	22.01			
5	16QAM	12	0	22.13	22.88	22.08	23.0	1.0	
5	16QAM	12	7	22.17	22.89	22.14			
5	16QAM	12	13	22.27	22.87	21.99			
5	16QAM	25	0	21.22	21.78	20.99	22.0	2.0	
5	64QAM	1	1	20.83	21.39	21.01	21.5	2.5	
5	64QAM	1	13	20.80	21.31	21.00			
5	64QAM	1	23	20.77	21.28	20.93			
5	64QAM	12	0	20.83	21.33	20.83	21.5	2.5	
5	64QAM	12	7	20.88	21.32	20.93			
5	64QAM	12	13	20.67	21.31	20.84			
5	64QAM	25	0	20.82	21.22	20.92	21.5	2.5	

n5_Ant 2 DSI 2&4&6&3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.90	23.92	23.80	24.0	0.0	
20	PI/2 BPSK	1	53	23.88	23.84	23.72			
20	PI/2 BPSK	1	104	23.86	23.75	23.68			
20	PI/2 BPSK	50	0	23.67	23.77	23.68	24.0	0.0	
20	PI/2 BPSK	50	28	23.70	23.73	23.63			
20	PI/2 BPSK	50	56	23.63	23.16	23.63			
20	PI/2 BPSK	100	0	22.02	22.04	21.98	23.5	0.5	
20	QPSK	1	1	21.91	21.79	21.75	24.0	0.0	
20	QPSK	1	53	23.15	23.27	22.92			
20	QPSK	1	104	21.45	21.35	21.36			
20	QPSK	50	0	22.61	22.66	22.77	24.0	0.0	
20	QPSK	50	28	23.61	23.80	23.84			
20	QPSK	50	56	22.82	22.65	22.71			
20	QPSK	100	0	22.64	22.70	22.75	23.0	1.0	
20	16QAM	1	1	20.82	20.88	20.82	23.0	1.0	
20	16QAM	1	53	20.73	20.62	20.63			
20	16QAM	1	104	20.73	20.61	20.81			
20	16QAM	50	0	20.77	20.49	20.92	23.0	1.0	
20	16QAM	50	28	20.77	20.55	20.72			
20	16QAM	50	56	20.82	20.52	20.83			
20	16QAM	100	0	19.86	19.61	19.84	22.0	2.0	
20	64QAM	1	1	20.75	20.65	20.80	21.5	2.5	
20	64QAM	1	53	20.55	20.64	20.63			
20	64QAM	1	104	20.58	20.62	20.75			
20	64QAM	50	0	20.74	20.61	20.68	21.5	2.5	
20	64QAM	50	28	20.66	20.65	20.73			
20	64QAM	50	56	20.72	20.52	20.76			
20	64QAM	100	0	20.68	20.56	20.66	21.5	2.5	
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				833.5	836.5	834			
15	PI/2 BPSK	1	1	23.95	23.85	23.87	24.0	0.0	
15	QPSK	1	1	23.88	23.78	23.91	24.0	0.0	
15	16QAM	1	1	22.73	22.71	22.65	23.0	1.0	
15	16QAM	1	40	22.62	22.66	22.65			
15	16QAM	1	77	22.66	22.61	22.45			
15	16QAM	36	0	22.56	22.54	22.53	23.0	1.0	
15	16QAM	36	22	22.64	22.60	22.50			
15	16QAM	36	43	22.61	22.70	22.50			
15	16QAM	75	0	21.57	21.47	21.46	22.0	2.0	
15	64QAM	1	1	21.25	21.22	21.20	21.5	2.5	
15	64QAM	1	40	21.23	21.22	21.05			
15	64QAM	1	77	21.18	21.14	21.17			
15	64QAM	36	0	21.17	21.13	21.05	21.5	2.5	
15	64QAM	36	22	21.14	21.13	21.06			
15	64QAM	36	43	21.18	21.13	21.18			
15	64QAM	75	0	21.13	21.12	21.05	21.5	2.5	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.75	23.62	23.70	24.0	0.0	
10	PI/2 BPSK	1	26	23.56	23.50	23.55			
10	PI/2 BPSK	1	50	23.71	23.54	23.50			
10	PI/2 BPSK	25	0	23.63	23.56	23.51	24.0	0.0	
10	PI/2 BPSK	25	14	23.61	23.62	23.50			
10	PI/2 BPSK	25	27	23.62	23.59	23.66			
10	PI/2 BPSK	50	0	23.19	23.01	23.14	23.5	0.5	
10	QPSK	1	1	23.71	23.53	23.62	24.0	0.0	
10	QPSK	1	26	23.58	23.45	23.50			
10	QPSK	1	50	23.65	23.40	23.49			
10	QPSK	25	0	23.57	23.37	23.54	24.0	0.0	
10	QPSK	25	14	23.64	23.45	23.42			
10	QPSK	25	27	23.63	23.33	23.62			
10	QPSK	50	0	22.52	22.34	22.53	23.0	1.0	
10	16QAM	1	1	22.49	22.49	22.55	23.0	1.0	
10	16QAM	1	26	22.49	22.43	22.36			
10	16QAM	1	50	22.46	22.37	22.50			
10	16QAM	25	0	22.39	22.40	22.46	23.0	1.0	
10	16QAM	25	14	22.45	22.30	22.39			
10	16QAM	25	27	22.34	22.40	22.35			
10	16QAM	50	0	21.35	21.34	21.39	22.0	2.0	
10	64QAM	1	1	21.11	21.01	21.25	21.5	2.5	
10	64QAM	1	26	20.96	20.87	21.21			
10	64QAM	1	50	21.10	20.87	21.25			
10	64QAM	25	0	20.99	20.87	21.09	21.5	2.5	
10	64QAM	25	14	20.93	20.98	21.06			
10	64QAM	25	27	20.97	20.99	21.07			
10	64QAM	50	0	20.96	20.82	21.24	21.5	2.5	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI/2 BPSK	1	1	23.78	23.78	23.65	24.0	0.0	
5	PI/2 BPSK	1	13	23.78	23.61	23.50			
5	PI/2 BPSK	1	23	23.76	23.66	23.57			
5	PI/2 BPSK	12	0	23.72	23.67	23.47	24.0	0.0	
5	PI/2 BPSK	12	7	23.65	23.68	23.63			
5	PI/2 BPSK	12	13	23.71	23.67	23.46			
5	PI/2 BPSK	25	0	23.19	23.17	23.61	23.5	0.5	
5	QPSK	1	1	23.76	23.65	23.61	24.0	0.0	
5	QPSK	1	13	23.67	23.79	23.61			
5	QPSK	1	23	23.58	23.72	23.60			
5	QPSK	12	0	23.68	23.70	23.43	24.0	0.0	
5	QPSK	12	7	23.70	23.63	23.58			
5	QPSK	12	13	23.58	23.67	23.51			
5	QPSK	25	0	22.71	22.78	22.58	23.0	1.0	
5	16QAM	1	1	22.74	22.80	22.61	23.0	1.0	
5	16QAM	1	13	22.55	22.63	22.51			
5	16QAM	1	23	22.66	22.65	22.54			
5	16QAM	12	0	22.63	22.61	22.44	23.0	1.0	
5	16QAM	12	7	22.71	22.62	22.61			
5	16QAM	12	13	22.67	22.70	22.55			
5	16QAM	25	0	22.55	22.60	22.40	22.0	2.0	
5	64QAM	1	1	21.28	21.23	21.05	21.5	2.5	
5	64QAM	1	13	21.15	21.06	21.01			
5	64QAM	1	23	21.13	21.18	20.94			
5	64QAM	12	0	21.12	21.16	20.90	21.5	2.5	
5	64QAM	12	7	21.20	21.09	21.01			
5	64QAM	12	13	21.09	21.17	20.90			
5	64QAM	25	0	21.08	21.16	20.91	21.5	2.5	

n2 Ant 1 DSI 284&6&8&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										MPR (dB)
Frequency (MHz)										MPR (dB)
20	Pi2 BPSK	1	1	21.23	21.25	21.21				
20	Pi2 BPSK	1	53	21.42	21.39	21.26	22.0	0.0		
20	Pi2 BPSK	1	104	21.08	21.05	20.93				
20	Pi2 BPSK	50	0	21.22	21.21	21.05				
20	Pi2 BPSK	50	28	21.41	21.35	21.16	22.0	0.0		
20	Pi2 BPSK	50	56	21.19	21.11	21.01				
20	Pi2 BPSK	100	0	21.21	21.21	21.00	21.5	0.5		
20	QPSK	1	1	21.20	21.24	21.04				
20	QPSK	1	53	21.46	21.47	21.21	22.0	0.0		
20	QPSK	1	104	20.94	20.93	20.88				
20	QPSK	50	0	20.94	21.10	20.94				
20	QPSK	50	28	21.22	21.12	21.01	22.0	0.0		
20	QPSK	50	56	21.04	21.14	20.96				
20	QPSK	100	0	20.46	20.39	20.28	21.0	1.0		
20	16QAM	1	1	20.84	20.89	20.68				
20	16QAM	1	53	20.15	20.69	20.73	21.0	1.0		
20	16QAM	1	104	20.65	20.74	20.54				
20	16QAM	50	0	20.59	20.46	20.35				
20	16QAM	50	28	20.65	20.61	20.38	21.0	1.0		
20	16QAM	50	56	20.36	20.56	20.36				
20	16QAM	100	0	19.89	19.94	19.77	20.0	2.0		
20	64QAM	1	1	19.30	19.25	19.03				
20	64QAM	1	53	19.37	19.28	19.17	19.5	2.5		
20	64QAM	1	104	19.14	19.73	19.14				
20	64QAM	50	0	19.27	19.09	18.96				
20	64QAM	50	28	19.19	19.07	18.89	19.5	2.5		
20	64QAM	50	56	18.97	19.13	18.87				
20	64QAM	100	0	19.02	19.10	18.95	21.5	2.5		
Channel										MPR (dB)
Frequency (MHz)										MPR (dB)
15	Pi2 BPSK	1	1	21.22	21.27	21.15				
15	Pi2 BPSK	1	49	21.51	21.35	21.14	22.0	0.0		
15	Pi2 BPSK	1	77	21.17	21.17	20.74				
15	Pi2 BPSK	36	0	21.21	21.25	21.04				
15	Pi2 BPSK	36	22	21.37	21.22	20.97	22.0	0.0		
15	Pi2 BPSK	36	43	21.32	21.18	20.90				
15	Pi2 BPSK	75	0	21.18	21.06	21.00	21.5	0.5		
15	QPSK	1	1	21.28	21.15	21.08				
15	QPSK	1	40	21.49	21.38	21.25	22.0	0.0		
15	QPSK	1	77	20.90	20.92	20.78				
15	QPSK	36	0	21.03	20.98	20.95				
15	QPSK	36	22	21.24	21.01	20.86	22.0	0.0		
15	QPSK	36	43	21.01	20.90	20.97				
15	QPSK	75	0	20.64	20.50	20.29	21.0	1.0		
15	16QAM	1	1	20.87	20.92	20.62				
15	16QAM	1	40	20.82	20.76	20.77	21.0	1.0		
15	16QAM	1	77	20.76	20.82	20.56				
15	16QAM	36	0	19.68	19.55	19.38				
15	16QAM	36	22	20.36	20.58	20.36	21.0	1.0		
15	16QAM	36	43	20.57	20.58	20.32				
15	16QAM	75	0	19.61	19.67	19.46	20.0	2.0		
15	64QAM	1	1	19.30	19.33	18.97				
15	64QAM	1	40	19.34	19.19	19.19	19.5	2.5		
15	64QAM	1	77	19.08	18.92	18.74				
15	64QAM	36	0	19.21	19.21	19.08				
15	64QAM	36	22	19.25	19.16	18.92	19.5	2.5		
15	64QAM	36	43	19.07	19.08	18.97				
15	64QAM	75	0	19.07	19.05	18.86	19.5	2.5		
Channel										MPR (dB)
Frequency (MHz)										MPR (dB)
10	Pi2 BPSK	1	1	21.20	21.30	21.16				
10	Pi2 BPSK	1	26	21.48	21.23	21.03	22.0	0.0		
10	Pi2 BPSK	1	50	21.12	21.04	20.68				
10	Pi2 BPSK	25	0	21.28	21.25	21.00				
10	Pi2 BPSK	25	14	21.22	21.06	21.06	22.0	0.0		
10	Pi2 BPSK	25	27	21.16	21.13	20.91				
10	Pi2 BPSK	50	0	21.28	21.03	20.94	21.5	0.5		
10	QPSK	1	1	21.30	21.18	20.98				
10	QPSK	1	26	21.51	21.42	21.15	22.0	0.0		
10	QPSK	1	50	20.98	20.80	20.67				
10	QPSK	25	0	21.05	20.99	20.94				
10	QPSK	25	14	21.10	21.08	20.85	22.0	0.0		
10	QPSK	25	27	21.06	21.00	20.90				
10	QPSK	50	0	20.85	20.56	20.18	21.0	1.0		
10	16QAM	1	1	20.89	20.81	20.70				
10	16QAM	1	26	20.82	20.64	20.60	21.0	1.0		
10	16QAM	1	50	20.77	20.58	20.56				
10	16QAM	25	0	19.74	19.43	19.37				
10	16QAM	25	14	20.67	20.55	20.22	21.0	1.0		
10	16QAM	25	27	20.67	20.59	20.36				
10	16QAM	50	0	19.88	19.73	19.48	20.0	2.0		
10	64QAM	1	1	19.33	19.21	18.99				
10	64QAM	1	26	19.36	19.18	19.17	19.5	2.5		
10	64QAM	1	50	19.12	18.98	18.63				
10	64QAM	25	0	19.06	19.19	18.96				
10	64QAM	25	14	19.13	18.97	18.78	19.5	2.5		
10	64QAM	25	27	18.98	18.91	18.72				
10	64QAM	50	0	19.30	19.15	19.14	19.5	2.5		
Channel										MPR (dB)
Frequency (MHz)										MPR (dB)
5	Pi2 BPSK	1	1	21.25	21.14	21.11				
5	Pi2 BPSK	1	13	21.35	21.35	20.91	22.0	0.0		
5	Pi2 BPSK	1	23	21.10	21.02	20.66				
5	Pi2 BPSK	12	0	21.27	21.06	20.97				
5	Pi2 BPSK	12	7	21.20	21.14	20.92	22.0	0.0		
5	Pi2 BPSK	12	13	21.28	21.05	20.78				
5	Pi2 BPSK	25	0	21.26	21.10	20.94	21.5	0.5		
5	QPSK	1	1	21.22	21.10	20.78				
5	QPSK	1	13	21.46	21.21	21.25	22.0	0.0		
5	QPSK	1	23	20.97	20.76	20.74				
5	QPSK	12	0	21.02	20.93	20.77	22.0	0.0		
5	QPSK	12	7	21.19	20.85	20.84				
5	QPSK	12	13	20.99	20.91	20.79				
5	QPSK	25	0	20.55	20.49	20.05	21.0	1.0		
5	16QAM	1	1	20.97	20.63	20.56				
5	16QAM	1	13	20.89	20.61	20.58	21.0	1.0		
5	16QAM	1	23	20.68	20.67	20.59				
5	16QAM	12	0	19.72	19.34	19.30				
5	16QAM	12	7	20.60	20.34	20.29	21.0	1.0		
5	16QAM	12	13	20.74	20.60	20.30				
5	16QAM	25	0	19.88	19.54	19.46	20.0	2.0		
5	64QAM	1	1	19.24	19.18	18.90				
5	64QAM	1	13	19.44	19.13	19.01	19.5	2.5		
5	64QAM	1	23	18.94	18.84	18.67				
5	64QAM	12	0	19.04	19.09	18.89				
5	64QAM	12	7	19.15	18.87	18.79	19.5	2.5		
5	64QAM	12	13	19.06	18.79	18.67				
5	64QAM	25	0	18.99	18.87	18.72	19.5	2.5		

n2 Ant 2 DSI 284&6&8&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				373000	376000	380000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1865	1875				
20	Pi2 BPSK	1	1	23.74	23.72	23.62				
20	Pi2 BPSK	1	53	23.88	23.78	23.67	24.0	0.0		
20	Pi2 BPSK	1	104	23.82	23.61	23.38				
20	Pi2 BPSK	50	0	23.23	23.30	23.17				
20	Pi2 BPSK	50	28	23.77	23.65	23.65	24.0	0.0		
20	Pi2 BPSK	50	56	23.23	23.17	23.05				
20	Pi2 BPSK	100	0	23.27	23.18	23.13	23.5	0.5		
20	QPSK	1	1	23.67	23.73	23.38				
20	QPSK	1	53	23.78	23.69	23.66	24.0	0.0		
20	QPSK	1	104	23.43	23.54	23.26				
20	QPSK	50	0	22.49	22.50	22.16				
20	QPSK	50	28	23.53	23.58	23.32	24.0	0.0		
20	QPSK	50	56	22.41	22.44	22.18				
20	QPSK	100	0	22.45	22.43	22.10	23.0	1.0		
20	16QAM	1	1	22.09	22.01	21.75				
20	16QAM	1	53	21.98	22.01	21.83	23.0	1.0		
20	16QAM	1	104	21.80	21.84	21.61				
20	16QAM	50	0	21.54	21.56	21.40				
20	16QAM	50	28	22.54	22.58	22.20	23.0	1.0		
20	16QAM	50	56	21.48	21.38	21.16				
20	16QAM	100	0	21.34	21.45	21.20	22.0	2.0		
20	64QAM	1	1	21.07	20.94	20.78				
20	64QAM	1	53	21.01	20.99	20.93	21.5	2.5		
20	64QAM	1	104	20.86	20.94	20.61				
20	64QAM	50	0	21.06	21.02	20.78				
20	64QAM	50	28	21.01	20.96	20.76	21.5	2.5		
20	64QAM	50	56	21.13	21.00	20.82				
20	64QAM	100	0	21.02	21.04	20.75	21.5	2.5		
Channel				373000	376000	380000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1865	1875				
15	Pi2 BPSK	1	1	23.65	23.68	23.70				
15	Pi2 BPSK	1	40	23.76	23.59	23.62	24.0	0.0		
15	Pi2 BPSK	1	77	23.72	23.67	23.62				
15	Pi2 BPSK	36	36	23.69	23.64	23.62				
15	Pi2 BPSK	36	22	23.71	23.58	23.70	24.0	0.0		
15	Pi2 BPSK	36	43	23.66	23.60	23.66				
15	Pi2 BPSK	75	0	23.27	23.22	23.06				
15	QPSK	1	1	23.67	23.73	23.38	23.5	0.5		
15	QPSK	1	40	23.60	23.59	23.51				
15	QPSK	1	77	23.71	23.57	23.49				
15	QPSK	36	0	22.53	22.52	22.38				
15	QPSK	36	22	23.56	23.45	23.45	24.0	0.0		
15	QPSK	36	43	22.47	22.44	22.22				
15	QPSK	75	0	22.42	22.44	22.18	23.0	1.0		
15	16QAM	1	1	21.91	21.91	21.65				
15	16QAM	1	40	21.88	21.88	21.63	23.0	1.0		
15	16QAM	1	77	21.99	21.96	21.63				
15	16QAM	36	0	21.41	21.40	21.30				
15	16QAM	36	22	22.42	22.48	22.18	23.0	1.0		
15	16QAM	36	43	21.27	21.30	21.06				
15	16QAM	75	0	21.26	21.36	21.23	22.0	2.0		
15	64QAM	1	1	21.07	20.94	20.77				
15	64QAM	1	40	21.00	20.90	20.70	21.5	2.5		
15	64QAM	1	77	20.89	20.94	20.64				
15	64QAM	36	0	20.89	20.91	20.74				
15	64QAM	36	22	20.81	20.87	20.74	21.5	2.5		
15	64QAM	36	43	20.97	20.89	20.77				
15	64QAM	75	0	20.96	20.85	20.69	21.5	2.5		
Channel				373000	376000	381000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855 <th>1880<th>1905</th><th></th><th></th><th colspan="2"></th></th>	1880 <th>1905</th> <th></th> <th></th> <th colspan="2"></th>	1905				
10	Pi2 BPSK	1	1	23.40	23.40	23.20				
10	Pi2 BPSK	1	28	23.48	23.48	23.30	24.0	0.0		
10	Pi2 BPSK	25	0	23.50	23.45	23.20				
10	Pi2 BPSK	25	0	22.92	22.90	22.78				
10	Pi2 BPSK	25	14	23.47	23.49	23.26	24.0	0.0		
10	Pi2 BPSK	25	27	22.89	22.96	22.75				
10	Pi2 BPSK	50	0	22.95	22.95	22.75	23.5	0.5		
10	QPSK	1	1	23.63	23.60	23.36				
10	QPSK	1	26	23.59	23.74	23.54				
10	QPSK	1	50	23.52	23.74	23.47				
10	QPSK	25	0	22.50	22.44	22.21				
10	QPSK	25	14	23.37	23.52	23.31	24.0	0.0		
10	QPSK	25	27	22.29	22.49	22.26				
10	QPSK	50	0	22.37	22.47	22.26	23.0	1.0		
10	16QAM	1	1	21.95	21.96	21.67				
10	16QAM	1	26	22.05	21.90	21.74	23.0	1.0		
10	16QAM	1	50	21.35	21.38	21.25				
10	16QAM	25	0	21.83	21.88	21.64				
10	16QAM	25	14	22.47	22.42	22.21	23.0	1.0		
10	16QAM	25	27	21.50	21.41	21.33				
10	16QAM	50	0	21.50	21.42	21.21	22.0	2.0		
10	64QAM	1	1	20.96	20.97	20.64				
10	64QAM	1	26	21.11	21.12	20.85	21.5	2.5		
10	64QAM	1	50	20.82	20.88	20.53				
10	64QAM	25	0	20.98	20.93	20.69				
10	64QAM	25	14	20.95	20.92	20.67	21.5	2.5		
10	64QAM	25	27	20.96	20.80	20.69				
10	64QAM	50	0	20.96	20.89	20.81	21.5	2.5		
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	Pi2 BPSK	1	1	23.39	23.36	23.22				
5	Pi2 BPSK	1	13	23.38	23.58	23.41	24.0	0.0		
5	Pi2 BPSK	1	23	23.37	23.47	23.42				
5	Pi2 BPSK	12	0	22.87	22.89	22.69				
5	Pi2 BPSK	12	7	23.58	23.49	23.49				
5	Pi2 BPSK	12	13	22.92	22.98	22.82	24.0	0.0		
5	Pi2 BPSK	25	0	22.83	22.91	22.76	23.5	0.5		
5	QPSK	1	1	23.69	23.64	23.51				
5	QPSK	1	13	23.63	23.69	23.48				
5	QPSK	1	23	23.37	23.59	23.58	24.0	0.0		
5	QPSK	12	0	22.49	22.39	22.28				
5	QPSK	12	7	23.54	23.43	23.38	24.0	0.0		
5	QPSK	12	13	22.51	22.56	22.36				
5	QPSK	25	0	22.54	22.49	22.35	23.0	1.0		
5	16QAM	1	1	21.80	21.82	21.53				
5	16QAM	1	13	22.00	21.96	21.86	23.0	1.0		
5	16QAM	1	23	21.94	21.91	21.73				
5	16QAM	12	0	21.41	21.41	21.17				
5	16QAM	12	7	22.36	22.44	22.18	23.0	1.0		
5	16QAM	12	13	21.47	21.52	21.39				
5	16QAM	25	0	21.39	21.39	21.33	22.0	2.0		
5	64QAM	1	1	20.79	20.80	20.63				
5	64QAM	1	13	20.95	20.89	20.69	21.5	2.5		
5	64QAM	1	23	20.99	20.93	20.65				
5	64QAM	12	0	21.04	20.91	20.73				
5	64QAM	12	7	21.11	21.03	20.83	21.5	2.5		
5	64QAM	12	13	21.13	21.19	21.02				
5	64QAM	25	0	20.86	20.93	20.77	21.5	2.5		

n25 Ant 2 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				372000	376000	381000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862	1880	1905				
20	Pi2 BPSK	1	1	23.82	23.80	23.70			24.0	0.0
20	Pi2 BPSK	1	53	23.96	23.93	23.75				
20	Pi2 BPSK	1	104	23.84	23.86	23.47				
20	Pi2 BPSK	50	0	23.83	23.93	23.22				
20	Pi2 BPSK	50	28	23.89	23.79	23.72			24.0	0.0
20	Pi2 BPSK	50	56	23.38	23.29	23.09				
20	Pi2 BPSK	100	0	23.39	23.33	23.17				
20	QPSK	1	1	23.80	23.76	23.35				
20	QPSK	1	53	23.83	23.86	23.69			24.0	0.0
20	QPSK	1	104	23.58	23.61	23.35				
20	QPSK	50	0	22.56	22.53	22.33				
20	QPSK	50	28	23.63	23.66	23.40				
20	QPSK	50	56	22.58	22.54	22.32			24.0	0.0
20	QPSK	100	0	22.55	22.53	22.27				
20	16QAM	1	1	22.14	22.09	21.84				
20	16QAM	1	53	22.13	22.12	21.94			23.0	1.0
20	16QAM	1	104	21.99	21.97	21.71				
20	16QAM	50	0	21.70	21.64	21.45				
20	16QAM	50	28	22.57	22.61	22.37				
20	16QAM	50	56	21.60	21.56	21.31			23.0	1.0
20	16QAM	100	0	21.48	21.47	21.23				
20	64QAM	1	1	21.10	21.08	20.90				
20	64QAM	1	53	21.17	21.18	20.97			21.5	2.5
20	64QAM	1	104	20.94	20.89	20.73				
20	64QAM	50	0	21.20	21.14	20.96				
20	64QAM	50	28	21.11	21.10	20.86				
20	64QAM	50	56	21.16	21.10	20.91			21.5	2.5
20	64QAM	100	0	21.07	21.05	20.83				
Channel				371000	376000	381000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862	1880	1910				
15	Pi2 BPSK	1	1	23.72	23.82	23.75			24.0	0.0
15	Pi2 BPSK	1	77	23.79	23.75	23.75				
15	Pi2 BPSK	36	0	23.73	23.76	23.80				
15	Pi2 BPSK	36	22	23.73	23.73	23.80				
15	Pi2 BPSK	36	43	23.78	23.77	23.74			24.0	0.0
15	Pi2 BPSK	75	0	23.38	23.33	23.19				
15	QPSK	1	1	23.76	23.74	23.75				
15	QPSK	1	40	23.74	23.77	23.55				
15	QPSK	1	77	23.79	23.74	23.53			24.0	0.0
15	QPSK	36	0	22.55	22.56	22.41				
15	QPSK	36	22	22.59	22.54	22.38				
15	QPSK	36	43	22.57	22.52	22.28				
15	QPSK	75	0	22.57	22.53	22.37			23.0	1.0
15	16QAM	1	1	22.01	22.02	21.84				
15	16QAM	1	40	22.02	22.01	21.81				
15	16QAM	1	77	22.02	22.03	21.81				
15	16QAM	36	0	21.54	21.54	21.38			23.0	1.0
15	16QAM	36	22	21.65	21.64	21.31				
15	16QAM	36	43	21.46	21.45	21.30				
15	16QAM	75	0	21.46	21.47	21.30			22.0	2.0
15	64QAM	1	1	21.14	21.09	20.87				
15	64QAM	1	40	21.13	21.03	20.86				
15	64QAM	1	77	20.99	21.00	20.87				
15	64QAM	36	0	21.00	21.04	20.84			21.5	2.5
15	64QAM	36	22	20.95	20.97	20.82				
15	64QAM	36	43	21.01	20.99	20.82				
15	64QAM	75	0	21.03	20.99	20.81				
Channel				371000	376000	382000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	Pi2 BPSK	1	1	23.49	23.63	23.31			24.0	0.0
10	Pi2 BPSK	1	26	23.59	23.61	23.45				
10	Pi2 BPSK	1	50	23.53	23.55	23.38				
10	Pi2 BPSK	25	0	23.10	23.07	22.86				
10	Pi2 BPSK	25	14	23.53	23.55	23.32			24.0	0.0
10	Pi2 BPSK	25	27	23.05	23.08	22.94				
10	Pi2 BPSK	50	0	23.12	23.10	22.91				
10	QPSK	1	1	23.75	23.74	23.54				
10	QPSK	1	26	23.78	23.78	23.63			24.0	0.0
10	QPSK	1	50	23.71	23.69	23.50				
10	QPSK	25	0	22.80	22.58	22.44				
10	QPSK	25	14	23.52	23.57	23.40				
10	QPSK	25	27	22.48	22.51	22.37			23.0	1.0
10	QPSK	50	0	22.52	22.54	22.40				
10	16QAM	1	1	22.03	22.02	21.85				
10	16QAM	1	26	22.07	22.02	21.82				
10	16QAM	1	50	22.00	21.99	21.79			23.0	1.0
10	16QAM	25	0	21.52	21.54	21.38				
10	16QAM	25	14	22.54	22.55	22.34				
10	16QAM	25	27	21.60	21.58	21.39				
10	16QAM	50	0	21.55	21.51	21.31			22.0	2.0
10	64QAM	1	1	21.05	21.02	20.83				
10	64QAM	1	26	21.14	21.09	20.95				
10	64QAM	1	50	20.93	20.95	20.72				
10	64QAM	25	0	21.04	21.02	20.79			21.5	2.5
10	64QAM	25	14	21.04	21.00	20.80				
10	64QAM	25	27	21.07	21.03	20.83				
10	64QAM	50	0	21.07	21.04	20.84				
Channel				370500	376000	382500	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1912.5				
5	Pi2 BPSK	1	1	23.56	23.54	23.38			24.0	0.0
5	Pi2 BPSK	1	13	23.63	23.64	23.49				
5	Pi2 BPSK	1	23	23.55	23.60	23.46				
5	Pi2 BPSK	12	0	23.05	23.02	22.79				
5	Pi2 BPSK	12	7	23.69	23.65	23.48			24.0	0.0
5	Pi2 BPSK	12	13	23.10	23.13	22.91				
5	Pi2 BPSK	25	0	22.98	23.03	22.84				
5	QPSK	1	1	23.78	23.73	23.57				
5	QPSK	1	13	23.80	23.77	23.55			23.5	0.5
5	QPSK	1	23	23.82	23.78	23.82				
5	QPSK	12	0	22.52	22.52	22.31				
5	QPSK	12	7	23.63	23.62	23.44				
5	QPSK	12	13	22.69	22.64	22.43			23.0	1.0
5	QPSK	25	0	22.60	22.55	22.35				
5	16QAM	1	1	21.96	21.92	21.72				
5	16QAM	1	13	22.02	22.02	21.81			23.0	1.0
5	16QAM	1	23	21.98	22.02	21.80				
5	16QAM	12	0	21.45	21.43	21.23				
5	16QAM	12	7	22.47	22.49	22.29				
5	16QAM	12	13	21.63	21.58	21.41			22.0	2.0
5	16QAM	25	0	21.57	21.55	21.41				
5	64QAM	1	1	20.92	20.93	20.76				
5	64QAM	1	13	20.97	20.99	20.78				
5	64QAM	1	23	21.04	21.02	20.82			21.5	2.5
5	64QAM	12	0	21.11	21.09	20.99				
5	64QAM	12	7	21.21	21.22	21.00				
5	64QAM	12	13	21.24	21.21	21.04				
5	64QAM	25	0	21.00	21.04	20.81			21.5	2.5

n66 (only SCS15KHz has 5M BW) Ant 1 DSI 2&4&6&3&5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				344000	349000	354000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	Pi2 BPSK	1	1	22.61	22.58	22.47			24.0	0.0
20	Pi2 BPSK	1	53	22.90	22.61	22.63				
20	Pi2 BPSK	1	104	22.44	22.52	22.45				
20	Pi2 BPSK	50	0	22.30	22.06	22.05				
20	Pi2 BPSK	50	28	22.53	22.48	22.45	24.0	0.0	24.0	0.0
20	Pi2 BPSK	50	56	22.20	22.05	22.00				
20	Pi2 BPSK	100	0	21.51	21.85	21.61	23.5	0.5		
20	QPSK	1	1	22.38	22.42	22.25				
20	QPSK	1	53	22.48	22.55	22.44	24.0	0.0	24.0	0.0
20	QPSK	1	104	22.28	22.35	22.17				
20	QPSK	50	0	22.23	22.29	22.14				
20	QPSK	50	28	22.32	22.32	22.24	24.0	0.0		
20	QPSK	50	56	22.36	22.36	22.25	24.0	0.0		
20	QPSK	100	0	21.27	21.29	21.11	23.0	1.0	24.0	1.0
20	16QAM	1	1	21.69	21.69	21.57				
20	16QAM	1	53	21.62	21.62	21.51	23.0	1.0		
20	16QAM	1	104	21.78	21.58	21.46				
20	16QAM	50	0	21.27	21.31	21.19			23.0	1.0
20	16QAM	50	28	21.32	21.32	21.20				
20	16QAM	50	56	21.27	21.21	21.10	23.0	1.0		
20	16QAM	100	0	20.25	20.25	20.12	22.0	2.0	24.0	2.5
20	16QAM	1	1	19.85	19.88	19.73				
20	16QAM	1	53	19.87	19.90	19.75	21.5	2.5		
20	16QAM	1	104	19.80	19.82	19.66				
20	16QAM	50	0	19.79	19.86	19.68	21.5	2.5	24.0	2.5
20	16QAM	50	28	19.71	19.75	19.65				
20	16QAM	50	56	19.77	19.79	19.66				
20	16QAM	100	0	19.72	19.79	19.63	21.5	2.5		
Channel				344000	349000	354000	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1742.5	1772.5				
15	Pi2 BPSK	1	1	22.60	22.60	22.51			24.0	0.0
15	Pi2 BPSK	1	40	22.87	22.59	22.61				
15	Pi2 BPSK	1	77	22.41	22.47	22.61				
15	Pi2 BPSK	36	22	22.45	22.45	22.34				
15	Pi2 BPSK	36	22	22.40	22.48	22.46	24.0	0.0	24.0	0.0
15	Pi2 BPSK	36	43	22.38	22.46	22.28				
15	Pi2 BPSK	75	0	21.49	21.92	21.61	23.5	0.5		
15	QPSK	1	1	22.40	22.44	22.28				
15	QPSK	1	40	22.45	22.60	22.46	24.0	0.0	24.0	0.0
15	QPSK	1	77	22.29	22.39	22.16				
15	QPSK	36	0	22.14	22.32	22.11				
15	QPSK	36	22	22.31	22.38	22.20	24.0	0.0	24.0	1.0
15	QPSK	36	43	22.25	22.27	22.13				
15	QPSK	75	0	21.22	21.26	21.08	23.0	1.0		
15	16QAM	1	1	21.73	21.71	21.62				
15	16QAM	1	40	21.57	21.66	21.51	23.0	1.0	24.0	1.0
15	16QAM	1	77	21.59	21.57	21.49				
15	16QAM	36	0	21.27	21.32	21.17				
15	16QAM	36	22	21.29	21.37	21.14	23.0	1.0	24.0	2.5
15	16QAM	36	43	21.25	21.32	21.11				
15	16QAM	75	0	20.20	20.20	20.08	22.0	2.0		
15	16QAM	1	1	19.87	19.89	19.78				
15	16QAM	1	40	19.92	19.87	19.75	21.5	2.5	24.0	2.5
15	16QAM	1	77	19.84	19.84	19.67				
15	16QAM	36	0	19.81	19.91	19.87				
15	16QAM	36	22	19.76	19.70	19.61	21.5	2.5	24.0	2.5
15	16QAM	36	43	19.75	19.77	19.61				
15	16QAM	75	0	19.70	19.60	19.58	21.5	2.5		
15	16QAM	1	1	19.75	19.75	19.58				
Channel				343500	349500	355500	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	Pi2 BPSK	1	1	22.57	22.59	22.47			24.0	0.0
10	Pi2 BPSK	1	26	22.83	22.61	22.60				
10	Pi2 BPSK	1	50	22.41	22.47	22.47				
10	Pi2 BPSK	25	0	22.25	22.40	22.39				
10	Pi2 BPSK	25	14	22.45	22.46	22.47	24.0	0.0	24.0	0.0
10	Pi2 BPSK	25	27	22.39	22.25	22.23				
10	Pi2 BPSK	50	0	21.49	21.91	21.63	23.5	0.5		
10	QPSK	1	1	22.37	22.44	22.26				
10	QPSK	1	26	22.47	22.62	22.43	24.0	0.0	24.0	0.0
10	QPSK	1	50	22.27	22.25	22.11				
10	QPSK	25	0	22.19	22.37	22.33				
10	QPSK	25	14	22.28	22.27	22.23	24.0	0.0		
10	QPSK	25	27	22.30	22.32	22.12			24.0	0.0
10	QPSK	50	0	21.17	21.24	21.10	23.0	1.0		
10	16QAM	1	1	21.78	21.68	21.66			24.0	1.0
10	16QAM	1	26	21.62	21.63	21.51				
10	16QAM	1	50	21.60	21.58	21.50	23.0	1.0	24.0	2.0
10	16QAM	25	0	21.23	21.37	21.21				
10	16QAM	25	0	21.26	21.30	21.16	23.0	1.0		
10	16QAM	25	27	21.22	21.30	21.15				
10	16QAM	50	0	20.31	20.28	20.12	22.0	2.0	24.0	2.0
10	16QAM	1	1	19.83	19.89	19.81				
10	16QAM	1	26	19.92	19.83	19.75	21.5	2.5		
10	16QAM	1	40	19.82	19.83	19.66				
10	16QAM	25	0	19.86	19.92	19.64			24.0	2.5
10	16QAM	25	14	19.77	19.71	19.63				
10	16QAM	25	27	19.70	19.60	19.70	21.5	2.5		
10	16QAM	50	0	19.77	19.76	19.53				
Channel				342500	349000	355500	turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	Pi2 BPSK	1	1	22.56	22.57	22.45			24.0	0.0
5	Pi2 BPSK	1	13	22.83	22.60	22.56				
5	Pi2 BPSK	1	23	22.43	22.45	22.50				
5	Pi2 BPSK	12	0	22.42	22.35	22.44				
5	Pi2 BPSK	12	7	22.52	22.41	22.46	24.0	0.0	24.0	0.0
5	Pi2 BPSK	12	7	22.53	22.41	22.45				
5	Pi2 BPSK	25	0	21.45	21.95	21.64	23.5	0.5		
5	QPSK	1	1	22.34	22.44	22.23				
5	QPSK	1	13	22.51	22.61	22.43	24.0	0.0	24.0	0.0
5	QPSK	1	23	22.38	22.40	22.16				
5	QPSK	12	0	22.18	22.38	22.10				
5	QPSK	12	7	22.31	22.26	22.27	24.0	0.0		
5	QPSK	12	13	22.25	22.35	22.10			23.0	1.0
5	QPSK	25	0	21.19	21.27	21.05				
5	16QAM	1	1	21.78	21.67	21.65			23.0	1.0
5	16QAM	1	13	21.57	21.59	21.60				
5	16QAM	1	23	21.64	21.59	21.49	23.0	1.0	24.0	2.0
5	16QAM	12	0	21.13	21.36	21.13				
5	16QAM	12	7	21.22	21.32	21.19	23.0	1.0		
5	16QAM	12	13	21.22	21.25	21.16				
5	16QAM	25	0	20.36	20.25	20.15	22.0	2.0	24.0	2.5
5	16QAM	1	1	19.87	19.88	19.83				
5	16QAM	1	13	19.94	19.87	19.69	21.5	2.5		
5	16QAM	1	23	19.82	19.83	19.65				
5	16QAM	12	0	19.85	19.91	19.69			24.0	2.5
5	16QAM	12	13	19.72	19.68	19.62				
5	16QAM	12	25	19.83	19.75	19.75	21.5	2.5		
5	16QAM	25	0	19.80	19.71	19.52	21.5	2.5		

n71 (only SCS15KHz has 5M BW) Ant 1 DSI 2&4&6&8&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				134600 670.5	136100 680.5	137600 690.5	Tune-up limit (dBm)	MPR (dB)	
20	PV2 BPSK	1	1	24.74	24.56	24.42	25.0	0.0	
20	PV2 BPSK	1	53	24.43	24.32	24.18	25.0	0.0	
20	PV2 BPSK	1	104	24.33	24.12	24.01	25.0	0.0	
20	PV2 BPSK	50	0	24.53	24.38	24.22	25.0	0.0	
20	PV2 BPSK	50	28	24.34	24.28	24.12	25.0	0.0	
20	PV2 BPSK	50	56	24.31	24.11	24.03	25.0	0.0	
20	PV2 BPSK	100	0	23.64	24.23	24.09	24.5	0.5	
20	QPSK	1	53	24.55	24.43	24.37	25.0	0.0	
20	QPSK	1	53	24.38	24.21	24.09	25.0	0.0	
20	QPSK	1	104	24.19	24.00	23.91	25.0	0.0	
20	QPSK	50	0	24.46	24.29	24.23	25.0	0.0	
20	QPSK	50	28	24.29	24.18	24.12	25.0	0.0	
20	QPSK	50	56	24.16	24.04	23.89	25.0	0.0	
20	QPSK	100	0	23.46	23.28	23.16	24.0	1.0	
20	16QAM	1	1	24.00	23.84	23.73	24.0	1.0	
20	16QAM	1	53	23.80	23.61	23.54	24.0	1.0	
20	16QAM	1	104	23.62	23.46	23.41	24.0	1.0	
20	16QAM	50	0	23.64	23.48	23.34	24.0	1.0	
20	16QAM	50	28	23.53	23.35	23.20	24.0	1.0	
20	16QAM	50	56	23.42	23.24	23.12	24.0	1.0	
20	16QAM	100	0	22.36	22.20	22.05	23.0	2.0	
20	64QAM	1	1	22.47	22.36	22.29	22.5	2.5	
20	64QAM	1	53	22.43	22.27	22.22	22.5	2.5	
20	64QAM	1	104	22.27	22.07	22.01	22.5	2.5	
20	64QAM	50	0	22.44	22.30	22.21	22.5	2.5	
20	64QAM	50	28	22.37	22.25	22.17	22.5	2.5	
20	64QAM	50	56	22.24	22.06	22.01	22.5	2.5	
20	64QAM	100	0	22.27	22.17	22.09	22.5	2.5	
Channel Frequency (MHz)				134100 670.5	135100 680.5	136100 690.5	Tune-up limit (dBm)	MPR (dB)	
15	PV2 BPSK	1	1	24.70	24.59	24.39	25.0	0.0	
15	PV2 BPSK	1	40	24.36	24.30	24.15	25.0	0.0	
15	PV2 BPSK	1	77	24.26	24.14	24.05	25.0	0.0	
15	PV2 BPSK	36	0	24.43	24.38	24.22	25.0	0.0	
15	PV2 BPSK	36	22	24.26	24.26	24.11	25.0	0.0	
15	PV2 BPSK	36	43	24.23	24.13	24.06	25.0	0.0	
15	16QAM	1	0	23.64	24.24	24.17	24.5	0.5	
15	PV2 BPSK	1	1	24.49	24.43	24.35	25.0	0.0	
15	PV2 BPSK	1	40	24.34	24.20	24.04	25.0	0.0	
15	PV2 BPSK	1	77	24.16	24.01	23.95	25.0	0.0	
15	PV2 BPSK	36	0	24.42	24.24	24.21	25.0	0.0	
15	PV2 BPSK	36	22	24.26	24.13	24.12	25.0	0.0	
15	PV2 BPSK	36	43	24.11	24.03	23.87	24.0	1.0	
15	PV2 BPSK	75	0	23.45	23.24	23.17	24.0	1.0	
15	16QAM	1	1	23.98	23.81	23.71	24.0	1.0	
15	16QAM	1	40	23.80	23.64	23.52	24.0	1.0	
15	16QAM	1	77	23.55	23.41	23.37	24.0	1.0	
15	16QAM	36	0	23.54	23.51	23.29	24.0	1.0	
15	16QAM	36	22	23.45	23.40	23.19	24.0	1.0	
15	16QAM	36	43	23.26	23.23	23.10	24.0	1.0	
15	16QAM	75	0	22.52	22.42	22.24	23.0	2.0	
15	64QAM	1	1	22.37	22.31	22.14	22.5	2.5	
15	64QAM	1	40	22.38	22.12	22.04	22.5	2.5	
15	64QAM	1	77	22.13	21.97	21.89	22.5	2.5	
15	64QAM	36	0	22.24	22.17	22.11	22.5	2.5	
15	64QAM	36	22	22.17	22.20	22.08	22.5	2.5	
15	64QAM	36	43	22.06	22.01	21.90	22.5	2.5	
15	64QAM	75	0	22.08	22.11	21.94	22.5	2.5	
Channel Frequency (MHz)				133600 670.5	136100 680.5	138600 693	Tune-up limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	24.70	24.62	24.44	25.0	0.0	
10	PV2 BPSK	1	26	24.37	24.34	24.14	25.0	0.0	
10	PV2 BPSK	1	50	24.28	24.09	24.03	25.0	0.0	
10	PV2 BPSK	25	0	24.43	24.42	24.25	25.0	0.0	
10	PV2 BPSK	25	14	24.26	24.24	24.06	25.0	0.0	
10	PV2 BPSK	25	27	24.27	24.17	24.10	25.0	0.0	
10	PV2 BPSK	50	0	23.68	24.19	24.09	24.5	0.5	
10	QPSK	1	1	24.46	24.44	24.32	25.0	0.0	
10	QPSK	1	26	24.33	24.25	24.03	25.0	0.0	
10	QPSK	50	0	24.13	23.98	23.92	25.0	0.0	
10	QPSK	25	0	24.40	24.20	24.20	25.0	0.0	
10	QPSK	25	14	24.27	24.12	24.14	25.0	0.0	
10	QPSK	25	27	24.12	24.03	23.86	24.0	1.0	
10	QPSK	50	0	23.93	23.74	23.69	24.0	1.0	
10	16QAM	1	1	23.94	23.83	23.70	24.0	1.0	
10	16QAM	1	26	23.83	23.69	23.54	24.0	1.0	
10	16QAM	1	50	23.55	23.38	23.33	24.0	1.0	
10	16QAM	25	0	23.49	23.47	23.31	24.0	1.0	
10	16QAM	25	14	23.53	23.43	23.16	24.0	1.0	
10	16QAM	25	27	23.31	23.21	23.11	24.0	1.0	
10	16QAM	50	0	22.92	22.86	22.64	23.0	2.0	
10	64QAM	1	1	22.46	22.38	22.22	22.5	2.5	
10	64QAM	1	26	22.36	22.17	22.29	22.5	2.5	
10	64QAM	1	50	22.25	22.04	21.98	22.5	2.5	
10	64QAM	25	0	22.30	22.23	22.18	22.5	2.5	
10	64QAM	25	14	22.26	22.36	22.17	22.5	2.5	
10	64QAM	25	27	22.13	22.10	21.93	22.5	2.5	
10	64QAM	50	0	22.20	22.22	22.01	22.5	2.5	
Channel Frequency (MHz)				133100 665.5	136100 680.5	139100 695.5	Tune-up limit (dBm)	MPR (dB)	
5	PV2 BPSK	1	1	24.68	24.62	24.37	25.0	0.0	
5	PV2 BPSK	1	13	24.33	24.31	24.11	25.0	0.0	
5	PV2 BPSK	1	23	24.22	24.14	24.06	25.0	0.0	
5	PV2 BPSK	50	0	24.39	24.43	24.20	25.0	0.0	
5	PV2 BPSK	12	7	24.26	24.27	24.13	25.0	0.0	
5	PV2 BPSK	12	13	24.20	24.15	24.02	25.0	0.0	
5	PV2 BPSK	25	0	23.68	24.20	24.09	24.5	0.5	
5	QPSK	1	1	24.49	24.46	24.30	25.0	0.0	
5	QPSK	1	13	24.33	24.23	24.09	25.0	0.0	
5	QPSK	1	23	24.18	23.98	23.97	25.0	0.0	
5	QPSK	12	0	24.44	24.29	24.25	25.0	0.0	
5	QPSK	12	7	24.33	24.16	24.12	25.0	0.0	
5	QPSK	12	13	24.06	24.06	23.83	24.0	1.0	
5	QPSK	25	0	23.99	23.77	23.75	24.0	1.0	
5	16QAM	1	1	23.92	23.71	23.61	24.0	1.0	
5	16QAM	1	13	23.75	23.57	23.46	24.0	1.0	
5	16QAM	1	23	23.51	23.35	23.31	24.0	1.0	
5	16QAM	12	0	23.47	23.51	23.24	24.0	1.0	
5	16QAM	12	7	23.41	23.30	23.13	24.0	1.0	
5	16QAM	12	13	23.25	23.13	23.08	24.0	1.0	
5	16QAM	25	0	22.81	22.73	22.56	23.0	2.0	
5	64QAM	1	1	22.71	22.63	22.46	22.5	2.5	
5	64QAM	1	13	22.40	22.33	22.19	22.5	2.5	
5	64QAM	1	23	22.28	22.15	22.15	22.5	2.5	
5	64QAM	12	0	22.15	22.01	21.87	22.5	2.5	
5	64QAM	12	7	22.22	22.19	22.13	22.5	2.5	
5	64QAM	12	13	22.20	22.17	22.07	22.5	2.5	
5	64QAM	25	0	22.08	22.04	21.83	22.5	2.5	

n71 (only SCS15KHz has 5M BW)Ant1 2 DSI 2&4&6&8&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)	MPR (dB)	
20	PV2 BPSK	1	1	23.95	23.80	23.72	24.0	0.0	
20	PV2 BPSK	1	53	23.69	23.60	23.41	24.0	0.0	
20	PV2 BPSK	1	104	23.57	23.43	23.19	24.0	0.0	
20	PV2 BPSK	50	0	23.25	23.18	22.93	24.0	0.0	
20	PV2 BPSK	50	28	23.59	23.57	23.34	24.0	0.0	
20	PV2 BPSK	50	56	23.36	23.22	22.72	24.0	0.0	
20	PV2 BPSK	100	0	23.13	23.03	22.83	23.5	0.5	
20	QPSK	1	1	23.84	23.54	23.43	24.0	0.0	
20	QPSK	1	53	23.47	23.39	23.23	24.0	0.0	
20	QPSK	1	104	23.24	23.20	23.01	24.0	0.0	
20	QPSK	50	0	23.59	23.47	23.32	24.0	0.0	
20	QPSK	50	28	23.50	23.40	23.23	24.0	0.0	
20	QPSK	50	56	23.29	23.25	23.09	24.0	0.0	
20	QPSK	100	0	22.46	22.40	22.25	23.0	1.0	
20	16QAM	1	1	22.87	22.82	22.64	23.0	1.0	
20	16QAM	1	53	22.80	22.50	22.36	23.0	1.0	
20	16QAM	1	104	22.60	22.50	22.34	23.0	1.0	
20	16QAM	50	0	22.46	22.41	22.23	23.0	1.0	
20	16QAM	50	28	22.50	22.37	22.20	23.0	1.0	
20	16QAM	50	56	22.32	22.23	22.10	23.0	1.0	
20	16QAM	100	0	21.43	21.32	21.14	22.0	2.0	
20	16QAM	1	1	21.45	21.35	21.17	22.0	2.0	
20	16QAM	1	53	21.13	21.09	20.91	21.5	2.5	
20	16QAM	1	104	21.02	20.94	20.84	21.5	2.5	
20	16QAM	50	0	21.05	20.97	20.81	21.5	2.5	
20	16QAM	50	28	20.99	20.92	20.85	21.5	2.5	
20	16QAM	50	56	20.79	20.74	20.57	21.5	2.5	
20	16QAM	100	0	20.92	20.83	20.68	21.5	2.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				660.5	670.5	680.5	Tune-up limit (dBm)	MPR (dB)	
15	PV2 BPSK	1	1	23.92	23.81	23.68	24.0	0.0	
15	PV2 BPSK	1	40	23.70	23.64	23.48	24.0	0.0	
15	PV2 BPSK	1	77	23.63	23.43	23.16	24.0	0.0	
15	PV2 BPSK	36	0	23.30	23.25	22.89	24.0	0.0	
15	PV2 BPSK	36	22	23.59	23.55	23.30	24.0	0.0	
15	PV2 BPSK	36	43	23.32	22.87	22.74	24.0	0.0	
15	PV2 BPSK	75	0	23.17	23.07	22.83	23.5	0.5	
15	PV2 BPSK	75	1	23.40	23.34	23.17	23.5	0.5	
15	PV2 BPSK	1	40	23.48	23.40	23.21	24.0	0.0	
15	PV2 BPSK	1	77	23.23	23.16	22.97	24.0	0.0	
15	PV2 BPSK	36	0	23.40	23.22	23.17	24.0	0.0	
15	PV2 BPSK	36	22	23.51	23.39	23.23	24.0	0.0	
15	PV2 BPSK	36	43	23.10	22.87	22.88	23.0	1.0	
15	PV2 BPSK	75	0	22.42	22.45	22.23	23.0	1.0	
15	16QAM	1	1	22.90	22.87	22.61	23.0	1.0	
15	16QAM	1	40	22.62	22.51	22.34	23.0	1.0	
15	16QAM	1	77	22.61	22.46	22.34	23.0	1.0	
15	16QAM	36	0	22.31	22.27	22.18	23.0	1.0	
15	16QAM	36	22	22.54	22.42	22.16	23.0	1.0	
15	16QAM	36	43	22.20	22.16	21.98	22.0	2.0	
15	16QAM	75	0	21.38	21.37	21.12	21.5	2.5	
15	16QAM	1	1	21.45	21.37	21.19	21.5	2.5	
15	16QAM	1	40	21.13	21.12	20.93	21.5	2.5	
15	16QAM	1	77	21.07	20.89	20.89	21.5	2.5	
15	16QAM	36	0	21.00	20.92	20.75	21.5	2.5	
15	16QAM	36	22	20.85	20.89	20.63	21.5	2.5	
15	16QAM	36	43	20.78	20.77	20.60	21.5	2.5	
15	16QAM	75	0	20.95	20.83	20.67	21.5	2.5	
Channel				135600	136100	137600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	23.90	23.80	23.69	24.0	0.0	
10	PV2 BPSK	1	26	23.70	23.69	23.46	24.0	0.0	
10	PV2 BPSK	1	50	23.45	23.40	23.15	24.0	0.0	
10	PV2 BPSK	25	0	23.25	23.11	22.88	24.0	0.0	
10	PV2 BPSK	25	14	23.54	23.51	23.31	24.0	0.0	
10	PV2 BPSK	25	27	23.24	22.84	22.74	23.5	0.5	
10	PV2 BPSK	50	0	23.15	23.06	22.85	24.0	0.0	
10	QPSK	1	1	23.85	23.56	23.37	24.0	0.0	
10	QPSK	1	26	23.40	23.36	23.23	24.0	0.0	
10	QPSK	1	50	23.22	23.13	22.98	24.0	0.0	
10	QPSK	25	0	23.15	23.06	22.88	24.0	0.0	
10	QPSK	25	14	23.46	23.35	23.27	24.0	0.0	
10	QPSK	25	27	23.05	23.02	22.79	23.0	1.0	
10	QPSK	50	0	22.93	22.48	22.19	23.0	1.0	
10	16QAM	1	1	22.84	22.82	22.65	23.0	1.0	
10	16QAM	1	26	22.56	22.51	22.29	23.0	1.0	
10	16QAM	1	50	22.58	22.49	22.39	23.0	1.0	
10	16QAM	25	0	22.23	22.32	22.19	23.0	1.0	
10	16QAM	25	14	22.45	22.37	22.21	23.0	1.0	
10	16QAM	25	27	22.11	22.12	21.89	22.0	2.0	
10	16QAM	1	1	21.38	21.33	21.21	21.5	2.5	
10	16QAM	1	1	21.37	21.19	21.15	21.5	2.5	
10	16QAM	1	26	21.13	21.08	20.96	21.5	2.5	
10	16QAM	25	0	20.99	20.90	20.80	21.5	2.5	
10	16QAM	25	0	20.92	20.97	20.77	21.5	2.5	
10	16QAM	25	14	20.82	20.88	20.65	21.5	2.5	
10	16QAM	25	27	20.72	20.82	20.63	21.5	2.5	
10	16QAM	50	0	20.86	20.79	20.72	21.5	2.5	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)	
5	PV2 BPSK	1	1	23.84	23.75	23.72	24.0	0.0	
5	PV2 BPSK	1	13	23.45	23.45	23.45	24.0	0.0	
5	PV2 BPSK	1	23	23.43	23.42	23.15	24.0	0.0	
5	PV2 BPSK	12	0	23.20	23.11	22.85	24.0	0.0	
5	PV2 BPSK	12	7	23.48	23.54	23.27	24.0	0.0	
5	PV2 BPSK	12	1	23.15	23.16	22.71	23.5	0.5	
5	PV2 BPSK	25	0	23.07	23.11	22.88	23.5	0.5	
5	QPSK	1	1	23.47	23.55	23.34	24.0	0.0	
5	QPSK	1	13	23.30	23.33	23.21	24.0	0.0	
5	QPSK	1	23	23.22	23.23	23.04	24.0	0.0	
5	QPSK	12	0	23.36	23.33	23.20	24.0	0.0	
5	QPSK	12	7	23.37	23.35	23.30	24.0	0.0	
5	QPSK	12	13	23.18	23.20	22.99	23.0	1.0	
5	QPSK	25	0	22.97	22.97	22.82	23.0	1.0	
5	16QAM	1	1	22.78	22.85	22.60	23.0	1.0	
5	16QAM	1	13	22.56	22.52	22.42	23.0	1.0	
5	16QAM	1	23	22.48	22.54	22.37	23.0	1.0	
5	16QAM	12	0	22.45	22.46	22.27	23.0	1.0	
5	16QAM	12	7	22.40	22.36	22.18	23.0	1.0	
5	16QAM	12	13	22.18	22.26	22.13	23.0	1.0	
5	16QAM	25	0	21.30	21.34	21.12	22.0	2.0	
5	16QAM	25	1	21.28	21.29	21.15	21.5	2.5	
5	16QAM	1	13	21.09	21.13	20.99	21.5	2.5	
5	16QAM	1	23	20.94	20.98	20.84	21.5	2.5	
5	16QAM	12	0	20.89	20.95	20.80	21.5	2.5	
5	16QAM	12	7	20.81	20.84	20.66	21.5	2.5	
5	16QAM	12	13	20.73	20.83	20.61	21.5	2.5	
5	16QAM	25	0	20.83	20.83	20.76	21.5	2.5	

n41 for FCC_Ant 2 DSI 2&4&6&PC2 DSI 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	528998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.42	23.80	23.79	24.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.72	23.77			
100	PI/2 BPSK	1	271	23.36	23.77	23.70			
100	PI/2 BPSK	135	0	23.27	23.19	23.62	24.0	0.0	
100	PI/2 BPSK	135	69	23.21	23.73	23.52			
100	PI/2 BPSK	135	138	23.14	23.25	23.52			
100	PI/2 BPSK	270	0	23.13	23.28	23.47	23.5	0.5	
100	QPSK	1	1	23.32	23.81	23.75	24.0	0.0	
100	QPSK	1	137	23.40	23.83	23.67			
100	QPSK	1	271	23.31	23.85	23.60			
100	QPSK	135	0	23.19	22.56	23.60	24.0	0.0	
100	QPSK	135	69	23.20	23.74	23.49			
100	QPSK	135	138	23.07	22.72	22.81			
100	QPSK	270	0	22.51	22.63	22.71	23.0	1.0	
100	16QAM	1	1	22.97	22.88	22.65	23.0	1.0	
100	16QAM	1	137	22.83	22.83	22.56			
100	16QAM	1	271	22.87	22.71	22.59			
100	16QAM	135	0	22.90	22.73	22.48	23.0	1.0	
100	16QAM	135	69	22.90	22.81	22.55			
100	16QAM	135	138	22.96	22.85	22.55			
100	16QAM	270	0	21.97	21.76	21.46	22.0	2.0	
100	64QAM	1	1	21.08	21.37	21.15	21.5	2.5	
100	64QAM	1	137	20.99	21.25	21.02			
100	64QAM	1	271	21.01	21.33	21.13			
100	64QAM	135	0	21.07	21.34	21.00	21.5	2.5	
100	64QAM	135	69	21.07	21.17	20.97			
100	64QAM	135	138	20.99	21.25	21.06			
100	64QAM	270	0	20.98	21.24	20.85	21.5	2.5	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	23.47	23.80	23.83	24.0	0.0	
90	PI/2 BPSK	1	120	23.33	23.79	23.75			
90	PI/2 BPSK	1	243	23.39	23.69	23.67			
90	PI/2 BPSK	120	0	23.47	23.79	23.81	24.0	0.0	
90	PI/2 BPSK	120	60	23.34	23.60	23.76			
90	PI/2 BPSK	120	120	23.32	23.65	23.71			
90	PI/2 BPSK	240	0	22.77	23.29	23.14	23.5	0.5	
90	QPSK	1	1	23.49	23.77	23.75	24.0	0.0	
90	QPSK	1	120	23.47	23.68	23.60			
90	QPSK	1	243	23.44	23.67	23.66			
90	QPSK	120	0	23.34	23.62	23.75	24.0	0.0	
90	QPSK	120	60	23.29	23.59	23.72			
90	QPSK	120	120	23.33	23.69	23.59			
90	QPSK	240	0	22.41	22.65	22.53	23.0	1.0	
90	16QAM	1	1	22.81	22.90	22.72	23.0	1.0	
90	16QAM	1	120	22.69	22.83	22.58			
90	16QAM	1	243	22.74	22.88	22.70			
90	16QAM	120	0	22.81	22.70	22.68	23.0	1.0	
90	16QAM	120	60	22.80	22.86	22.55			
90	16QAM	120	120	22.81	22.71	22.71			
90	16QAM	240	0	21.51	21.76	21.54	22.0	2.0	
90	64QAM	1	1	21.19	21.38	21.21	21.5	2.5	
90	64QAM	1	120	21.19	21.18	21.21			
90	64QAM	1	243	21.05	21.20	21.14			
90	64QAM	120	0	21.02	21.32	21.14	21.5	2.5	
90	64QAM	120	60	21.15	21.23	21.08			
90	64QAM	120	120	21.11	21.28	21.17			
90	64QAM	240	0	21.01	21.05	21.02	21.5	2.5	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.46	23.72	23.77	24.0	0.0	
80	PI/2 BPSK	1	109	23.43	23.67	23.73			
80	PI/2 BPSK	1	215	23.31	23.54	23.69			
80	PI/2 BPSK	108	0	23.41	23.56	23.57	24.0	0.0	
80	PI/2 BPSK	108	55	23.41	23.53	23.63			
80	PI/2 BPSK	108	109	23.40	23.56	23.65			
80	PI/2 BPSK	216	0	22.82	23.11	23.12	23.5	0.5	
80	QPSK	1	1	23.47	23.70	23.73	24.0	0.0	
80	QPSK	1	109	23.47	23.66	23.64			
80	QPSK	1	215	23.37	23.52	23.62			
80	QPSK	108	0	23.42	23.66	23.53	24.0	0.0	
80	QPSK	108	55	23.47	23.58	23.73			
80	QPSK	108	109	23.30	23.59	23.63			
80	QPSK	216	0	22.44	22.48	22.53	23.0	1.0	
80	16QAM	1	1	22.88	22.92	22.87	23.0	1.0	
80	16QAM	1	109	22.79	22.78	22.76			
80	16QAM	1	215	22.78	22.80	22.76			
80	16QAM	108	0	22.83	22.77	22.70	23.0	1.0	
80	16QAM	108	55	22.74	22.77	22.84			
80	16QAM	108	109	22.83	22.92	22.78			
80	16QAM	216	0	21.62	21.70	21.58	22.0	2.0	
80	64QAM	1	1	21.04	21.42	21.38	21.5	2.5	
80	64QAM	1	109	20.95	21.35	21.23			
80	64QAM	1	215	21.00	21.31	21.22			
80	64QAM	108	0	21.03	21.31	21.19	21.5	2.5	
80	64QAM	108	55	21.02	21.34	21.26			
80	64QAM	108	109	20.85	21.33	21.27			
80	64QAM	216	0	20.77	21.19	21.16	21.5	2.5	

Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	23.37	23.62	23.73	24.0	0.0
60	PI/2 BPSK	1	81	23.37	23.51	23.63		
60	PI/2 BPSK	1	160	23.24	23.42	23.72		
60	PI/2 BPSK	81	0	23.28	23.51	23.59	24.0	0.0
60	PI/2 BPSK	81	42	23.29	23.54	23.56		
60	PI/2 BPSK	81	81	23.20	23.50	23.61		
60	PI/2 BPSK	162	0	22.79	22.98	23.10	23.5	0.5
60	QPSK	1	1	23.37	23.59	23.64	24.0	0.0
60	QPSK	1	81	23.27	23.52	23.64		
60	QPSK	1	160	23.31	23.57	23.54		
60	QPSK	81	0	23.29	23.41	23.63	24.0	0.0
60	QPSK	81	42	23.18	23.47	23.60		
60	QPSK	81	81	23.19	23.55	23.60		
60	QPSK	162	0	22.10	22.35	22.54	23.0	1.0
60	16QAM	1	1	22.68	22.73	22.71	23.0	1.0
60	16QAM	1	81	22.67	22.65	22.68		
60	16QAM	1	160	22.67	22.73	22.70		
60	16QAM	81	0	22.49	22.64	22.53	23.0	1.0
60	16QAM	81	42	22.48	22.66	22.65		
60	16QAM	81	81	22.51	22.65	22.68		
60	16QAM	162	0	21.63	21.63	21.49	22.0	2.0
60	64QAM	1	1	21.35	21.22	21.28	21.5	2.5
60	64QAM	1	81	21.33	21.22	21.19		
60	64QAM	1	160	21.34	21.11	21.24		
60	64QAM	81	0	21.20	21.06	21.25	21.5	2.5
60	64QAM	81	42	21.16	21.07	21.21		
60	64QAM	81	81	21.25	21.19	21.21		
60	64QAM	162	0	21.18	21.08	21.17	21.5	2.5
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.48	23.55	23.73	24.0	0.0
50	PI/2 BPSK	1	67	23.32	23.50	23.62		
50	PI/2 BPSK	1	131	23.45	23.50	23.54		
50	PI/2 BPSK	64	0	23.43	23.53	23.57	24.0	0.0
50	PI/2 BPSK	64	35	23.34	23.43	23.59		
50	PI/2 BPSK	64	69	23.38	23.48	23.59		
50	PI/2 BPSK	128	0	22.63	22.98	23.08	23.5	0.5
50	QPSK	1	1	23.53	23.60	23.64	24.0	0.0
50	QPSK	1	67	23.49	23.47	23.62		
50	QPSK	1	131	23.37	23.44	23.53		
50	QPSK	64	0	23.49	23.41	23.50	24.0	0.0
50	QPSK	64	35	23.46	23.59	23.63		
50	QPSK	64	69	23.34	23.45	23.59		
50	QPSK	128	0	22.29	22.35	22.61	23.0	1.0
50	16QAM	1	1	22.46	22.78	22.58	23.0	1.0
50	16QAM	1	67	22.30	22.59	22.38		
50	16QAM	1	131	22.26	22.58	22.55		
50	16QAM	64	0	22.35	22.74	22.57	23.0	1.0
50	16QAM	64	35	22.31	22.70	22.45		
50	16QAM	64	69	22.34	22.74	22.58		
50	16QAM	128	0	21.13	21.43	21.24	22.0	2.0
50	64QAM	1	1	21.08	21.22	21.31	21.5	2.5
50	64QAM	1	67	21.04	21.19	21.20		
50	64QAM	1	131	20.88	21.15	21.26		
50	64QAM	64	0	21.00	21.19	21.11	21.5	2.5
50	64QAM	64	35	21.01	21.13	21.16		
50	64QAM	64	69	20.93	21.07	21.23		
50	64QAM	128	0	20.99	21.09	21.03	21.5	2.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.79	24.05	24.07	24.0	0.0
40	PI/2 BPSK	1	53	23.63	24.04	23.89		
40	PI/2 BPSK	1	104	23.66	23.99	23.93		
40	PI/2 BPSK	50	0	23.62	23.99	23.99	24.0	0.0
40	PI/2 BPSK	50	28	23.69	23.93	24.05		
40	PI/2 BPSK	50	56	23.66	23.90	23.92		
40	PI/2 BPSK	100	0	23.00	23.41	23.36	23.5	0.5
40	QPSK	1	1	23.82	23.99	23.95	24.0	0.0
40	QPSK	1	53	23.70	23.99	23.79		
40	QPSK	1	104	23.77	23.90	23.80		
40	QPSK	50	0	23.68	23.85	23.81	24.0	0.0
40	QPSK	50	28	23.68	23.89	23.84		
40	QPSK	50	56	23.72	23.81	23.87		
40	QPSK	100	0	22.68	22.81	22.60	23.0	1.0
40	16QAM	1	1	22.75	22.88	22.76	23.0	1.0
40	16QAM	1	53	22.56	22.80	22.59		
40	16QAM	1	104	22.65	22.71	22.66		
40	16QAM	50	0	22.61	22.85	22.81	23.0	1.0
40	16QAM	50	28	22.62	22.85	22.68		
40	16QAM	50	56	22.71	22.82	22.64		
40	16QAM	100	0	21.48	21.72	21.49	22.0	2.0
40	64QAM	1	1	21.24	21.45	21.31	21.5	2.5
40	64QAM	1	53	21.22	21.30	21.15		
40	64QAM	1	104	21.16	21.39	21.26		
40	64QAM	50	0	21.08	21.43	21.29	21.5	2.5
40	64QAM	50	28	21.05	21.31	21.24		
40	64QAM	50	56	21.04	21.37	21.28		
40	64QAM	100	0	21.09	21.22	21.12	21.5	2.5

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

n41 for FCC_Ant 2 PC2/PC3 DSI 3&5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.91	2592.99	2640			
100	PI/2 BPSK	1	1	18.24	18.37	18.23	18.7	0.0	
100	PI/2 BPSK	1	137	18.16	18.24	18.01			
100	PI/2 BPSK	1	271	18.26	18.29	18.05			
100	PI/2 BPSK	135	0	18.15	18.32	18.06	18.7	0.0	
100	PI/2 BPSK	135	69	18.28	18.31	18.12			
100	PI/2 BPSK	135	138	18.26	18.30	18.10			
100	PI/2 BPSK	270	0	18.31	18.35	18.13	18.7	0.0	
100	QPSK	1	1	18.22	18.34	18.11	18.7	0.0	
100	QPSK	1	137	18.24	18.27	18.13			
100	QPSK	1	271	18.32	18.36	18.16			
100	QPSK	135	0	18.24	18.28	18.07	18.7	0.0	
100	QPSK	135	69	18.19	18.23	17.99			
100	QPSK	135	138	18.51	18.58	18.44			
100	QPSK	270	0	18.30	18.35	18.18	18.7	0.0	
100	16QAM	1	1	18.25	18.30	18.07	18.7	0.0	
100	16QAM	1	137	18.17	18.23	18.07			
100	16QAM	1	271	18.19	18.32	18.10			
100	16QAM	135	0	18.13	18.22	17.98	18.7	0.0	
100	16QAM	135	69	18.21	18.24	18.06			
100	16QAM	135	138	18.29	18.41	18.18			
100	16QAM	270	0	18.10	18.22	18.04	18.7	0.0	
100	64QAM	1	1	18.19	18.27	18.09	18.7	0.0	
100	64QAM	1	137	18.08	18.18	18.01			
100	64QAM	1	271	18.26	18.29	18.09			
100	64QAM	135	0	18.18	18.25	18.11	18.7	0.0	
100	64QAM	135	69	18.15	18.27	18.11			
100	64QAM	135	138	18.31	18.35	18.11			
100	64QAM	270	0	18.05	18.13	17.97	18.7	0.0	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.25	18.24	18.05	18.7	0.0	
90	PI/2 BPSK	1	120	18.20	18.20	18.00			
90	PI/2 BPSK	1	243	18.27	18.32	18.18			
90	PI/2 BPSK	120	0	18.17	18.14	17.98	18.7	0.0	
90	PI/2 BPSK	120	60	18.27	18.24	18.08			
90	PI/2 BPSK	120	120	18.19	18.29	18.06			
90	PI/2 BPSK	240	0	18.31	18.29	18.11	18.7	0.0	
90	QPSK	1	1	18.22	18.25	18.14	18.7	0.0	
90	QPSK	1	120	18.14	18.24	18.04			
90	QPSK	1	243	18.27	18.28	18.20			
90	QPSK	120	0	18.16	18.21	18.09	18.7	0.0	
90	QPSK	120	60	18.14	18.15	18.05			
90	QPSK	120	120	18.52	18.52	18.34			
90	QPSK	240	0	18.25	18.28	18.12	18.7	0.0	
90	16QAM	1	1	18.26	18.29	18.06	18.7	0.0	
90	16QAM	1	120	18.17	18.20	18.09			
90	16QAM	1	243	18.28	18.29	18.13			
90	16QAM	120	0	18.12	18.21	18.06	18.7	0.0	
90	16QAM	120	60	18.12	18.23	18.03			
90	16QAM	120	120	18.34	18.39	18.19			
90	16QAM	240	0	18.11	18.21	17.98	18.7	0.0	
90	64QAM	1	1	18.24	18.25	18.07	18.7	0.0	
90	64QAM	1	120	18.15	18.15	17.96			
90	64QAM	1	243	18.17	18.27	18.13			
90	64QAM	120	0	18.20	18.17	18.11	18.7	0.0	
90	64QAM	120	60	18.24	18.21	18.05			
90	64QAM	120	120	18.28	18.30	18.17			
90	64QAM	240	0	18.04	18.09	17.91	18.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.21	18.24	17.97	18.7	0.0	
80	PI/2 BPSK	1	109	18.14	18.20	17.91			
80	PI/2 BPSK	1	215	18.17	18.24	18.11			
80	PI/2 BPSK	108	0	18.16	18.10	17.94	18.7	0.0	
80	PI/2 BPSK	108	55	18.17	18.17	18.02			
80	PI/2 BPSK	108	109	18.16	18.23	18.02			
80	PI/2 BPSK	216	0	18.28	18.28	18.10	18.7	0.0	
80	QPSK	1	1	18.18	18.21	18.10	18.7	0.0	
80	QPSK	1	109	18.06	18.18	18.01			
80	QPSK	1	215	18.21	18.22	18.11			
80	QPSK	108	0	18.06	18.18	18.02	18.7	0.0	
80	QPSK	108	55	18.08	18.12	17.97			
80	QPSK	108	109	18.45	18.49	18.30			
80	QPSK	216	0	18.23	18.28	18.08	18.7	0.0	
80	16QAM	1	1	18.16	18.28	18.02	18.7	0.0	
80	16QAM	1	109	18.10	18.10	18.03			
80	16QAM	1	215	18.27	18.24	18.11			
80	16QAM	108	0	18.10	18.13	18.03	18.7	0.0	
80	16QAM	108	55	18.04	18.21	18.00			
80	16QAM	108	109	18.34	18.34	18.18			
80	16QAM	216	0	18.09	18.16	17.91	18.7	0.0	
80	64QAM	1	1	18.15	18.15	18.05	18.7	0.0	
80	64QAM	1	109	18.12	18.10	17.88			
80	64QAM	1	215	18.16	18.27	18.11			
80	64QAM	108	0	18.14	18.11	18.07	18.7	0.0	
80	64QAM	108	55	18.23	18.13	18.05			
80	64QAM	108	109	18.22	18.28	18.07			
80	64QAM	216	0	17.97	18.09	17.91	18.7	0.0	

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

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

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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				509202	518598	528000			
Frequency (MHz)				2546.01	2562.99	2640			
100	PI/2 BPSK	1	1	25.90	24.56	24.45	27.0	0.0	
100	PI/2 BPSK	1	137	26.80	25.64	25.36			
100	PI/2 BPSK	1	271	25.05	24.82	22.90			
100	PI/2 BPSK	135	69	26.20	24.87	25.41	27.0	0.0	
100	PI/2 BPSK	135	69	26.59	25.36	25.15			
100	PI/2 BPSK	135	138	26.00	25.29	24.21			
100	PI/2 BPSK	270	0	26.09	25.05	24.90	26.5	0.5	
100	QPSK	1	1	25.89	24.52	24.35	27.0	0.0	
100	QPSK	1	137	26.77	25.62	25.32			
100	QPSK	1	271	24.96	24.74	22.82			
100	QPSK	135	0	26.16	24.81	25.40	27.0	0.0	
100	QPSK	135	69	26.54	25.34	25.08			
100	QPSK	135	138	25.97	25.20	24.17			
100	QPSK	270	0	24.86	23.56	23.41	26.0	1.0	
100	16QAM	1	1	24.83	23.47	23.41	26.0	1.0	
100	16QAM	1	137	24.84	23.55	23.38			
100	16QAM	1	271	24.86	23.46	23.39			
100	16QAM	135	0	24.87	23.51	23.36	26.0	1.0	
100	16QAM	135	69	24.82	23.54	23.40			
100	16QAM	135	138	24.80	23.47	23.37			
100	16QAM	270	0	23.92	22.95	22.43	25.0	2.0	
100	64QAM	1	1	23.38	22.00	21.94	24.5	2.5	
100	64QAM	1	137	23.34	22.02	21.92			
100	64QAM	1	271	23.35	22.05	21.93			
100	64QAM	135	0	23.32	22.03	21.91	24.5	2.5	
100	64QAM	135	69	23.31	21.97	21.91			
100	64QAM	135	138	23.37	22.00	21.91			
100	64QAM	270	0	23.39	22.00	21.88	24.5	2.5	
Channel				508200	518598	528996			
Frequency (MHz)				2641	2658.99	2644.98			
90	PI/2 BPSK	1	1	25.87	24.50	24.36	27.0	0.0	
90	PI/2 BPSK	1	120	26.71	25.54	25.31			
90	PI/2 BPSK	1	243	25.02	24.79	22.88			
90	PI/2 BPSK	120	0	26.10	24.82	25.31	27.0	0.0	
90	PI/2 BPSK	120	60	26.55	25.34	25.12			
90	PI/2 BPSK	120	120	25.91	25.22	24.19			
90	PI/2 BPSK	240	0	26.02	25.04	24.84	26.5	0.5	
90	QPSK	1	1	25.86	24.43	24.30	27.0	0.0	
90	QPSK	1	120	26.70	25.58	25.25			
90	QPSK	1	243	24.92	24.70	22.72			
90	QPSK	120	0	26.06	24.76	25.35	27.0	0.0	
90	QPSK	120	60	26.50	25.31	24.98			
90	QPSK	120	120	25.92	25.20	24.14			
90	QPSK	240	0	24.81	23.55	23.37	26.0	1.0	
90	16QAM	1	1	24.74	23.39	23.34	26.0	1.0	
90	16QAM	1	120	24.77	23.50	23.36			
90	16QAM	1	243	24.81	23.44	23.30			
90	16QAM	120	0	24.84	23.41	23.26	26.0	1.0	
90	16QAM	120	60	24.75	23.54	23.38			
90	16QAM	120	120	24.76	23.44	23.31			
90	16QAM	240	0	23.75	22.47	22.35	25.0	2.0	
90	64QAM	1	1	23.32	22.00	21.87	24.5	2.5	
90	64QAM	1	120	23.25	21.96	21.84			
90	64QAM	1	243	23.30	22.02	21.84			
90	64QAM	120	0	23.30	21.99	21.90	24.5	2.5	
90	64QAM	120	60	23.31	21.95	21.86			
90	64QAM	120	120	23.29	22.00	21.81			
90	64QAM	240	0	23.37	21.92	21.81	24.5	2.5	
Channel				507204	518598	528998			
Frequency (MHz)				2536.02	2562.99	2649.99			
80	PI/2 BPSK	1	1	25.84	24.54	24.42	27.0	0.0	
80	PI/2 BPSK	1	109	26.75	25.60	25.35			
80	PI/2 BPSK	1	215	25.02	24.74	22.90			
80	PI/2 BPSK	108	0	26.14	24.85	25.39	27.0	0.0	
80	PI/2 BPSK	108	55	26.52	25.27	25.10			
80	PI/2 BPSK	108	109	25.98	25.25	24.13			
80	PI/2 BPSK	216	0	26.01	24.99	24.88	26.5	0.5	
80	QPSK	1	1	25.86	24.50	24.35	27.0	0.0	
80	QPSK	1	109	26.71	25.58	25.22			
80	QPSK	1	215	24.96	24.64	22.62			
80	QPSK	108	0	26.15	24.76	25.40	27.0	0.0	
80	QPSK	108	55	26.44	25.34	24.99			
80	QPSK	108	109	25.91	25.18	24.13			
80	QPSK	216	0	24.83	23.50	23.35	26.0	1.0	
80	16QAM	1	1	24.83	23.45	23.32	26.0	1.0	
80	16QAM	1	109	24.77	23.53	23.30			
80	16QAM	1	215	24.84	23.42	23.34			
80	16QAM	108	0	24.87	23.42	23.33	26.0	1.0	
80	16QAM	108	55	24.82	23.46	23.32			
80	16QAM	108	109	24.76	23.44	23.30			
80	16QAM	216	0	23.74	22.46	22.41	25.0	2.0	
80	64QAM	1	1	23.31	21.97	21.90	24.5	2.5	
80	64QAM	1	109	23.25	21.99	21.85			
80	64QAM	1	215	23.35	22.04	21.90			
80	64QAM	108	0	23.22	21.97	21.84	24.5	2.5	
80	64QAM	108	55	23.30	21.97	21.89			
80	64QAM	108	109	23.37	21.95	21.88			
80	64QAM	216	0	23.39	21.96	21.82	24.5	2.5	
Channel				505200	518598	531096			
Frequency (MHz)				2526	2562.99	2659.98			
60	PI/2 BPSK	1	1	25.85	24.48	24.35	27.0	0.0	
60	PI/2 BPSK	1	81	26.71	25.60	25.35			
60	PI/2 BPSK	1	160	25.01	24.78	22.86			
60	PI/2 BPSK	81	0	26.10	24.87	25.37	27.0	0.0	
60	PI/2 BPSK	81	42	26.52	25.27	25.07			
60	PI/2 BPSK	81	81	25.94	25.19	24.15			
60	PI/2 BPSK	162	0	26.01	25.04	24.85	26.5	0.5	
60	QPSK	1	1	25.89	24.50	24.25	27.0	0.0	
60	QPSK	1	81	26.68	25.62	25.23			
60	QPSK	1	160	24.86	24.68	22.81			
60	QPSK	81	0	26.13	24.74	25.31	27.0	0.0	
60	QPSK	81	42	26.52	25.29	25.08			
60	QPSK	81	81	25.90	25.14	24.10			
60	QPSK	162	0	24.78	23.47	23.32	26.0	1.0	
60	16QAM	1	1	24.77	23.49	23.33	26.0	1.0	
60	16QAM	1	81	24.79	23.50	23.31			
60	16QAM	1	160	24.86	23.38	23.35			
60	16QAM	81	0	24.81	23.42	23.29	26.0	1.0	
60	16QAM	81	42	24.80	23.44	23.32			
60	16QAM	81	81	24.78	23.43	23.36			
60	16QAM	162	0	23.77	22.47	22.39	25.0	2.0	
60	64QAM	1	1	23.35	21.90	21.92	24.5	2.5	
60	64QAM	1	81	23.26	21.89	21.90			
60	64QAM	1	160	23.32	22.02	21.84			
60	64QAM	81	0	23.32	22.00	21.88	24.5	2.5	
60	64QAM	81	42	23.31	21.88	21.83			
60	64QAM	81	81	23.29	21.95	21.85			
60	64QAM	162	0	23.37	21.96	21.85	24.5	2.5	

Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	25.83	24.54	24.43	27.0	0.0
50	PI/2 BPSK	1	67	26.73	25.63	25.31		
50	PI/2 BPSK	1	131	25.02	24.82	22.85		
50	PI/2 BPSK	64	0	26.16	24.85	25.41	27.0	0.0
50	PI/2 BPSK	64	35	26.50	25.33	25.11		
50	PI/2 BPSK	64	69	25.94	25.26	24.15		
50	PI/2 BPSK	128	0	26.04	24.99	24.80	26.5	0.5
50	QPSK	1	1	25.85	24.42	24.31	27.0	0.0
50	QPSK	1	67	26.76	25.52	25.30		
50	QPSK	1	131	24.96	24.67	22.82		
50	QPSK	64	0	26.16	24.73	25.40	27.0	0.0
50	QPSK	64	35	26.45	25.30	24.99		
50	QPSK	64	69	25.95	25.19	24.16		
50	16QAM	128	0	24.83	23.49	23.41	26.0	1.0
50	16QAM	1	1	24.79	23.44	23.35	26.0	1.0
50	16QAM	1	67	24.82	23.51	23.34		
50	16QAM	1	131	24.85	23.38	23.31		
50	16QAM	64	0	24.79	23.51	23.34	26.0	1.0
50	16QAM	64	35	24.72	23.44	23.32		
50	16QAM	64	69	24.76	23.44	23.27		
50	16QAM	128	0	23.72	22.54	22.39	25.0	2.0
50	64QAM	1	1	23.38	21.90	21.92	24.5	2.5
50	64QAM	1	67	23.26	21.94	21.89		
50	64QAM	1	131	23.26	22.04	21.84		
50	64QAM	64	0	23.31	21.95	21.84	24.5	2.5
50	64QAM	64	35	23.24	21.88	21.81		
50	64QAM	64	69	23.34	21.92	21.90		
50	64QAM	128	0	23.35	21.92	21.82	24.5	2.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2514.01	2592.99	2570		
40	PI/2 BPSK	1	1	25.98	24.47	24.40	27.0	0.0
40	PI/2 BPSK	1	53	26.74	25.54	25.33		
40	PI/2 BPSK	1	104	24.95	24.78	22.81		
40	PI/2 BPSK	50	0	26.12	24.79	25.40	27.0	0.0
40	PI/2 BPSK	50	28	26.59	25.28	25.11		
40	PI/2 BPSK	50	56	25.92	25.24	24.15		
40	PI/2 BPSK	100	0	26.08	25.05	24.87	26.5	0.5
40	QPSK	1	1	25.87	24.43	24.26	27.0	0.0
40	QPSK	1	53	26.76	25.55	25.34		
40	QPSK	1	104	24.92	24.68	22.77		
40	QPSK	50	0	26.13	24.79	25.39	27.0	0.0
40	QPSK	50	28	26.53	25.34	25.05		
40	QPSK	50	56	25.91	25.15	24.11		
40	QPSK	100	0	24.81	23.53	23.38	26.0	1.0
40	16QAM	1	1	24.80	23.41	23.39	26.0	1.0
40	16QAM	1	53	24.81	23.46	23.33		
40	16QAM	1	104	24.80	23.39	23.36		
40	16QAM	50	0	24.80	23.43	23.38	26.0	1.0
40	16QAM	50	28	24.77	23.47	23.33		
40	16QAM	50	56	24.77	23.39	23.34		
40	16QAM	100	0	23.78	22.52	22.40	25.0	2.0
40	64QAM	1	1	23.28	22.00	21.94	24.5	2.5
40	64QAM	1	53	23.24	21.97	21.91		
40	64QAM	1	104	23.28	22.05	21.86		
40	64QAM	50	0	23.32	22.01	21.82	24.5	2.5
40	64QAM	50	28	23.22	21.96	21.88		
40	64QAM	50	56	23.27	21.98	21.85		
40	64QAM	100	0	23.37	21.98	21.80	24.5	2.5
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	25.88	24.55	24.42	27.0	0.0
20	PI/2 BPSK	1	26	26.71	25.64	25.29		
20	PI/2 BPSK	1	49	24.96	24.73	22.90		
20	PI/2 BPSK	25	0	26.17	24.77	25.35	27.0	0.0
20	PI/2 BPSK	25	13	26.57	25.27	25.12		
20	PI/2 BPSK	25	26	26.00	25.25	24.14		
20	PI/2 BPSK	50	0	26.08	25.03	24.84	26.5	0.5
20	QPSK	1	1	25.83	24.49	24.31	27.0	0.0
20	QPSK	1	26	26.71	25.58	25.22		
20	QPSK	1	49	24.90	24.65	22.81		
20	QPSK	25	0	26.10	24.74	25.33	27.0	0.0
20	QPSK	25	13	26.49	25.28	25.05		
20	QPSK	25	26	25.89	25.14	24.11		
20	QPSK	50	0	24.78	23.48	23.35	26.0	1.0
20	16QAM	1	1	24.79	23.41	23.40	26.0	1.0
20	16QAM	1	26	24.84	23.53	23.30		
20	16QAM	1	49	24.78	23.39	23.35		
20	16QAM	25	0	24.80	23.42	23.28	26.0	1.0
20	16QAM	25	13	24.72	23.49	23.40		
20	16QAM	25	26	24.80	23.47	23.32		
20	16QAM	50	0	23.78	22.54	22.33	26.0	2.0
20	64QAM	1	1	23.34	21.95	21.91	24.5	2.5
20	64QAM	1	26	23.30	21.93	21.89		
20	64QAM	1	49	23.32	21.95	21.87		
20	64QAM	25	0	23.22	22.03	21.88	24.5	2.5
20	64QAM	25	13	23.28	21.95	21.82		
20	64QAM	25	26	23.35	21.90	21.81		
20	64QAM	50	0	23.34	21.96	21.80	24.5	2.5

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

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

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

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

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

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

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

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



CA_5B Ant1_DSI 3										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.47	24
20575	20476	QPSK	1	0	1	49	2	0	22.75	24
20600	20501	QPSK	1	0	1	49	2	0	22.77	24

CA_5B Ant2_DSI 3										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	21.33	23
20575	20476	QPSK	1	0	1	49	2	0	21.5	23
20600	20501	QPSK	1	0	1	49	2	0	21.51	23



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

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



CA_66B_Ant1_DSI 3										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.64	22
132322	132229	QPSK	1	0	1	24	2	0	20.6	22
132597	132504	QPSK	1	0	1	24	2	0	20.47	22

CA_66B_Ant2_DSI 3										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.42	22
132322	132229	QPSK	1	0	1	24	2	0	20.34	22
132597	132504	QPSK	1	0	1	24	2	0	20.34	22



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

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



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

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



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

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



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

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



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

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



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

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



CA_41C Ant1_DSI 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.45	24
40185	39987	QPSK	1	0	1	99	2	0	22.2	24
40620	40422	QPSK	1	0	1	99	2	0	22.7	24
41055	40857	QPSK	1	0	1	99	2	0	22.62	24
41490	41292	QPSK	1	0	1	99	2	0	22.85	24

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



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

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



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

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

2 CC

Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	Contiguous	4A-48A	4	20	1732.5	20175	QPSK	1	0	48	20	3625	55990	22.87	22.91
		12B	12	10	707.5	23095	QPSK	1	0	12	5	745.0	5102	22.67	22.73
		38C	38	20	2580	37850	QPSK	1	0	38	20	2600.0	38048	22.86	22.87

3CC

Configure		CA Configuration (BCS)	PCC						SCC				SCC2				Power		
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	Contiguous	2C-12A	2	20	1860	18700	QPSK	1	0	2	20	2138	898	12	10	737.5	5095	23.02	23.02
		2A-2A-13A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	13	10	751	5230	22.99	23.02
		2A-4A-13A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	23.02	23.02
		2A-4A-29A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.93	23.02
		2A-4A-30A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9820	22.92	23.02
		2A-4A-71A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	71	20	634.5	68761	22.78	22.85
		2A-12B	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	12	10	2197.5	67311	22.97	23.02
		2A-29A-66A	2	20	1860	18700	QPSK	1	0	29	10	2138	898	29	10	722.5	9715	22.98	23.02
		2A-46A-66A	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	2155	66886	22.95	23.02
		4A-4A-7A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	7	20	2055	3100	22.88	22.91
		4A-4A-13A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	13	10	751	5230	22.85	22.91
		4A-4A-29A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	29	10	722.5	9715	22.83	22.91
		4A-4A-30A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	30	10	2355	9820	22.90	22.91
		4A-4A-71A	4	20	1732.5	20175	QPSK	1	0	4	20	2152	2373	71	20	634.5	68761	22.88	22.91
		4A-5A-30A	4	20	1732.5	20175	QPSK	1	0	5	10	2147	2319	30	10	2197.5	67311	22.83	22.91
		4A-12B	4	20	1732.5	20175	QPSK	1	0	12	10	2147	2319	12	10	2174.8	67084	22.90	22.91
		4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	12	10	2147	2319	30	10	2355	9820	22.84	22.91
		4A-29A-30A	4	20	1732.5	20175	QPSK	1	0	29	10	2147	2319	30	10	2355	9820	22.84	22.91
		7A-12A-66A	7	20	2535	21100	QPSK	1	0	12	10	2669	3244	66	20	2155	66886	23.15	23.22
		12A-66C	12	10	707.5	23095	QPSK	1	0	66	20	752	5239	66	20	2155	66886	22.08	22.08
		13A-66A-66A	13	10	782	23230	QPSK	1	0	66	20	765	5374	66	20	2155	66886	22.40	22.43
		26A-41C	26	15	831.5	26865	QPSK	1	0	41	20	894	9036	41	20	2593	40620	22.67	22.65
		66A-66C	66	20	1720	132072	QPSK	1	0	66	20	2140	6734	66	20	2155	66886	22.85	22.88
		66C-71A	66	20	1720	132072	QPSK	1	0	66	20	2174.8	67084	71	20	634.5	68761	22.89	22.88
		66A-66A-71A	66	20	1720	132072	QPSK	1	0	66	20	2190	67236	71	20	634.5	68761	22.91	22.88
		66A-66A-66A	66	20	1720	132072	QPSK	1	0	66	20	2190	67236	66	20	2190	67236	22.90	22.88
Intra-Band	Non-Contiguous	41A-41A-41A	41	20	2593	40620	QPSK	1	0	41	20	2680	41490	41	20	2680	41490	22.95	22.99
		6D	66	20	1745	132322	QPSK	1	0	66	20	2175	132520	66	20	2195	132718	22.90	22.88

4CC

Configure		CA Configuration (BCS)	PCC						SCC1				SCC2				SCC3				Power		
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	Contiguous	2A-2A-12A-30A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	12	10	737.5	5095	30	10	2355	9820	22.95	23.02
		2A-2A-12A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	12	10	737.5	5095	66	20	2155	66886	22.95	23.02
		2A-2A-14A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	14	10	763	5330	66	20	2155	66886	22.99	23.02
		2A-2A-29A-30A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	29	10	722.5	9715	30	10	2355	9820	23.01	23.02
		2A-2A-30A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	30	10	2355	9820	66	20	2155	66886	23.01	23.02
		2A-2A-46C	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	46	20	5537.5	50665	46	20	5557.3	50863	22.95	23.02
		2C-66A-66A	2	20	1860	18700	QPSK	1	0	2	20	719.8	2138	66	20	2155	66886	66	20	2190	67236	23.02	23.02
		2A-2A-66B	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2175	67084	22.96	23.02
		2A-2A-66C	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2175	67084	22.93	23.02
		2A-2A-66A-66A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	66	20	2190	67236	22.99	23.02
		2A-2A-66A-71A	2	20	1860	18700	QPSK	1	0	2	20	1980	1100	66	20	2155	66886	71	20	634.5	68761	22.95	23.02
		2A-4A-4A-12A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	20	2145	2300	12	10	737.5	5095	22.96	23.02
		2A-12A-66C	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2175	67084	22.95	23.02
		2A-12A-66A-66A	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2190	67236	22.97	23.02
		2A-13A-46C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	46	20	5537.5	50665	46	20	5557.3	50863	22.92	23.02
		2A-13A-48C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	20	3645	66188	23.01	23.02
		2A-13A-66C	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2175	67084	22.97	23.02
		2A-14A-66A-66A	2	20	1860	18700	QPSK	1	0	14	10	763	5330	66	20	2155	66886	66	20	2190	67236	22.96	23.02
		2A-30A-66A-66A	2	20	1860	18700	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	20	2190	67236	22.92	23.02
		2A-46D	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	22.95	23.02
		2A-46A-46C	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5925	54539	46	20	5945	54737	22.96	23.02
		2A-46C-66A	2	20	1860	18700	QPSK	1	0	46	20	5925	54539	46	20	5945	54737	66	20	2155	66886	22.99	23.02
		2A-48D	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	48	20	3665	66386	22.97	23.02
		2A-48A-48C	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3700	56739	48	20	3645	66188	22.93	23.02
		2A-48C-66A	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	66	20	2190	67236	22.93	23.02
		2A-66C-71A	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2175	67084	71	20	634.5	68761	22.95	23.02
		2A-66A-66A-71A	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2190	67236	71	20	634.5	68761	22.98	23.02
		4A-4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	4	20	2145	2300	12	10	737.5	5095	30	10	2355	9820	22.89	22.91
Intra-Band	Non-Contiguous	4A-46D	4	20	1732.5	20175	QPSK	1	0	46	20	5537.5	50665	46	20	3665	66386	46	20	3685	66584	22.86	22.91
		4A-46A-46C	4	20	1732.5	20175	QPSK	1	0	46	20	5537.5	50665	46	20	5925	54539	46	20	5945	54737	22.90	22.91
		4A-48D	4	20	1732.5	20175	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	48	20	3665	66386	22.83	22.91
		13A-46D	13	10	782	23230	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	22.41	22.43
		13A-46C-66A	13	10	782	23230	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	66	20	2155	66886	22.36	22.43
		13A-48D	13	10	782	23230	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	48	20	3665	66386	22.39	22.43
		13A-48A-48C	13	10	782	23230	QPSK	1	0	48	20	3625	55990	48	20	3700	56739	48	20	3645	66188	22.33	22.43
		13A-48C-66A	13	10	782	23230	QPSK	1	0	48	20	3625	55990	48	20	3645	66188	66	20	2155	66886	22.35	22.43
		13A-48A-66C	13	10	782	23230	QPSK	1	0	48	20	3625	55990	66	20	2155	66886	66	20	2175	67084	22.35	22.43
		41A-41D	41	20	2593	40620	QPSK	1	0	41	20	2680	41490	41	20	2613	40818	41	20	2633	41016	22.90	22.99
		41C-41C	41	20	2593	40620	QPSK	1	0	41	20	2613	40818	41	20	2680	41490	41.00	20.00	2613	40818	22.97	22.99
		Intra-Band	Contiguous	41E	41	20	2593	40620	QPSK	1	0	41	20	2613	40818	41	20	2633	41016	41.00	20.00	2653	41214



Power Table 1/3/4/5

Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.70	21.00	100.00
		6	2437	20.70	21.00	
		11	2462	20.00	21.00	
	802.11g 6Mbps	1	2412	15.10	15.50	98.06
		2	2417	17.50	18.00	
		6	2437	19.80	20.00	
		10	2457	17.70	18.00	
		11	2462	13.90	14.50	
	802.11n-HT20 MCS9	1	2412	14.90	15.50	97.92
		2	2417	16.90	18.00	
		6	2437	19.90	20.00	
		10	2457	16.90	18.00	
	802.11n-HT40 MCS9	11	2462	13.70	14.50	93.33
		3	2422	14.90	15.50	
		6	2437	14.20	15.50	
		9	2452	12.20	13.00	

Power Table 2

Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.38	15.00	100.00
		6	2437	14.37	15.00	
		11	2462	14.36	15.00	
	802.11g 6Mbps	1	2412	Not Required	15.00	98.06
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.00	97.92
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS9	11	2462		14.50	93.33
		3	2422		15.00	
		6	2437		15.00	
		9	2452		13.00	

Power Table 6

Ant 4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.26	17.00	100.00
		6	2437	16.17	17.00	
		11	2462	15.97	17.00	
	802.11g 6Mbps	1	2412	Not Required	15.50	98.06
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.50	97.92
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS9	11	2462		14.50	93.33
		3	2422		15.50	
		6	2437		15.90	
		9	2452		13.00	

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.80	17.00	98.06
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.20	17.00	
	802.11n-HT20 MCS9	36	5180	16.90	17.50	98.19
		40	5200	16.79	17.50	
		44	5220	17.30	17.50	
		48	5240	16.90	17.50	
	802.11n-HT40 MCS9	38	5190	13.40	14.00	95.88
		46	5230	19.40	20.00	
	802.11ac-VHT20 MCS9	36	5180	16.80	17.50	97.94
		40	5200	16.62	17.50	
		44	5220	17.20	17.50	
		48	5240	16.90	17.50	
	802.11ac-VHT40 MCS9	38	5190	13.60	14.00	95.88
		46	5230	19.50	20.00	
	802.11ac-VHT80 MCS9	42	5210	12.20	15.50	91.84

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	15.50	98.06
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS9	36	5180		15.50	98.19
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS9	38	5190		14.00	95.88
		46	5230		15.50	
	802.11ac-VHT20 MCS9	36	5180		15.50	97.94
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11ac-VHT40 MCS9	38	5190		14.00	95.88
		46	5230		15.50	
	802.11ac-VHT80 MCS9	42	5210		15.13	91.84
					15.50	

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.80	17.00	98.06
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.20	17.00	
	802.11n-HT20 MCS9	36	5180	16.90	17.50	98.19
		40	5200	16.78	17.50	
		44	5220	17.30	17.50	
		48	5240	16.90	17.50	
	802.11n-HT40 MCS9	38	5190	13.40	14.00	95.88
		46	5230	17.86	19.00	
	802.11ac-VHT20 MCS9	36	5180	16.80	17.50	97.94
		40	5200	16.62	17.50	
		44	5220	17.20	17.50	
		48	5240	16.90	17.50	
	802.11ac-VHT40 MCS9	38	5190	13.60	14.00	95.88
		46	5230	17.91	19.00	
	802.11ac-VHT80 MCS9	42	5210	12.20	15.50	91.84

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5280	16.50	17.00	98.06
		56	5280	16.40	17.00	
		60	5300	16.30	17.00	
		64	5320	16.10	17.00	
	802.11n-HT20 MCS9	52	5280	16.60	17.50	98.19
		56	5280	16.48	17.50	
		60	5300	16.90	17.50	
		64	5320	16.60	17.50	
	802.11n-HT40 MCS9	54	5270	19.20	20.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS9	52	5280	16.90	17.50	97.94
		56	5280	16.72	17.50	
		60	5300	16.90	17.50	
		64	5320	16.60	17.50	
	802.11ac-VHT40 MCS9	54	5270	19.00	20.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT80 MCS9	58	5290	14.20	15.50	91.84

Ant 4						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5280	16.50	17.00	98.06
		56	5280	16.40	17.00	
		60	5300	16.30	17.00	
		64	5320	16.10	17.00	
	802.11n-HT20 MCS9	52	5280	16.60	17.50	98.19
		56	5280	16.48	17.50	
		60	5300	16.90	17.50	
		64	5320	16.60	17.50	
	802.11n-HT40 MCS9	54	5270	18.48	19.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT20 MCS9	52	5280	16.90	17.50	97.94
		56	5280	16.72	17.50	
		60	5300	16.90	17.50	
		64	5320	16.60	17.50	
	802.11ac-VHT40 MCS9	54	5270	18.00	19.00	95.88
		62	5310	14.80	15.50	
	802.11ac-VHT80 MCS9	58	5290	14.20	15.50	91.84

5GHz WLAN		Ant 4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.60	17.50	98.06
		116	5580	16.30	17.50	
		124	5620	16.50	17.50	
		132	5660	16.60	17.50	
		140	5700	16.80	17.50	
		144	5720	16.70	17.50	
	802.11n-HT20 MCS9	100	5500	16.90	17.50	98.19
		116	5580	16.30	17.50	
		124	5620	16.21	17.50	
		132	5660	16.23	17.50	
		140	5700	16.30	17.50	
	802.11n-HT40 MCS0	144	5720	16.30	17.50	95.85
		102	5610	16.30	18.00	
		110	5550	19.50	20.00	
		126	5630	18.18	20.00	
		134	5670	19.20	20.00	
		142	5710	19.20	20.00	
	802.11ac-VHT20 MCS9	100	5500	16.80	17.50	97.94
		116	5580	16.30	17.50	
		124	5620	16.15	17.50	
		132	5660	16.18	17.50	
		140	5700	16.20	17.50	
	802.11ac-VHT40 MCS9	144	5720	16.30	17.50	95.88
		102	5510	17.10	18.00	
		110	5550	19.10	20.00	
		126	5630	19.03	20.00	
		134	5670	19.00	20.00	
	802.11ac-VHT80 MCS9	142	5710	19.00	20.00	91.84
106		5530	16.30	17.00		
122		5610	18.10	19.00		
138		5690	18.20	19.00		



Power Table 7						
2.4GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.38	15.00	100.00
		6	2437	14.37	15.00	
		11	2462	14.36	15.00	
	802.11g 6Mbps	1	2412		15.00	98.06
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.00	97.92
		2	2417	Not Required	15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS9	3	2422		15.00	93.33
		6	2437		15.00	
		9	2452		13.00	

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180		15.50	98.06
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS9	36	5180		15.50	98.19
		40	5200		15.50	
		44	5220		15.50	
		48	5240	Not Required	15.50	
	802.11n-HT40 MCS9	38	5190		14.00	95.88
		46	5230		15.50	
	802.11ac-VHT20 MCS9	36	5180		15.50	97.94
		40	5200		15.50	
		44	5220		15.50	
	802.11ac-VHT40 MCS9	48	5240		15.00	95.88
		38	5190		14.00	
		46	5230		15.50	
	802.11ac-VHT80 MCS9	42	5210	15.13	15.50	91.84

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		15.50	98.06
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS9	52	5260		15.50	98.19
		56	5280		15.50	
		60	5300		15.50	
		64	5320	Not Required	15.50	
	802.11n-HT40 MCS9	54	5270		15.50	95.88
		62	5310		15.50	
	802.11ac-VHT20 MCS9	52	5260		15.50	97.94
		56	5280		15.50	
		60	5300		15.50	
	802.11ac-VHT40 MCS9	64	5320		15.50	95.88
		54	5270		15.50	
		62	5310		15.50	
	802.11ac-VHT80 MCS9	58	5290	15.13	15.50	91.84

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	100	5500		15.00	98.06
		116	5580		15.00	
		134	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11n-HT20 MCS9	100	5500		15.00	98.19
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11n-HT40 MCS9	102	5510		15.00	95.88
		110	5550	Not Required	15.00	
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
		100	5500		15.00	
	802.11ac-VHT20 MCS9	116	5580		15.00	97.94
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
		102	5510		15.00	
	802.11ac-VHT40 MCS9	110	5550		15.00	95.88
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
	802.11ac-VHT80 MCS9	106	5530	14.93	15.00	91.84
		122	5610	14.75	15.00	
		138	5690	14.81	15.00	

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	148	5745		15.00	98.06
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT20 MCS9	148	5745		15.00	98.19
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT40 MCS9	151	5755	Not Required	15.00	95.88
		159	5795		15.00	
	802.11ac-VHT20 MCS9	148	5745		15.00	97.94
		157	5785		15.00	
		165	5825		15.00	
	802.11ac-VHT40 MCS9	151	5755		15.00	95.88
		159	5795		15.00	
		155	5775	14.68	15.00	
	802.11ac-VHT80 MCS9					91.84

2.4GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.76	18.00	100.00
		6	2437	17.67	18.00	
		11	2462	17.47	18.00	
	802.11g 6Mbps	1	2412		15.50	98.06
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.50	97.92
		2	2417	Not Required	18.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS9	11	2462		14.50	93.33
		3	2422		15.50	
		6	2437		15.50	
		9	2452		13.00	

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.80	17.00	98.06
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.20	17.00	
	802.11n-HT20 MCS9	36	5180	16.90	17.50	98.19
		40	5200	16.78	17.50	
		44	5220	17.30	17.50	
		48	5240	16.90	17.50	
	802.11n-HT40 MCS9	38	5190	13.40	14.00	95.88
		46	5230	17.86	18.50	
	802.11ac-VHT20 MCS9	36	5180	16.80	17.50	97.94
		40	5200	16.62	17.50	
		44	5220	17.20	17.50	
	802.11ac-VHT40 MCS9	48	5240	16.90	17.50	95.88
		38	5190	13.60	14.00	
		46	5230	17.91	18.50	
	802.11ac-VHT80 MCS9	42	5210	12.20	15.50	91.84

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260		17.00	98.06
		56	5280		17.00	
		60	5300		17.00	
		64	5320	Not Required	17.00	
	802.11n-HT20 MCS9	52	5260		17.50	98.19
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS9	54	5270	16.98	18.00	95.88
		62	5310		15.50	
	802.11ac-VHT20 MCS9	52	5260		17.50	97.94
		56	5280		17.50	
		60	5300	Not Required	17.50	
	802.11ac-VHT40 MCS9	64	5320		17.50	95.88
		54	5270		18.00	
		62	5310		15.50	
	802.11ac-VHT80 MCS9	58	5290		15.50	91.84

5GHz WLAN	Ant 4					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500		17.50	98.06
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	
		144	5720		17.50	
	802.11n-HT20 MCS9	100	5500		17.50	98.19
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	



Power Table 1/3/4/5						
Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.70	21.00	100.00
		6	2437	20.70	21.00	
		11	2462	19.80	21.00	
	802.11g 6Mbps	1	2412	15.10	15.50	98.06
		2	2417	17.50	18.00	
		6	2437	19.90	20.00	
		10	2457	17.70	18.00	
		11	2462	14.10	14.50	
	802.11n-HT20 MCS0	1	2412	14.90	15.50	98.18
		2	2417	17.00	18.00	
		6	2437	19.90	20.00	
		10	2457	17.00	18.00	
	802.11n-HT40 MCS0	11	2462	13.90	14.50	94.90
		3	2422	15.20	15.50	
		6	2437	14.20	15.50	
		9	2452	12.20	13.00	

Power Table 2						
Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.75	15.00	100.00
		6	2437	14.69	15.00	
		11	2462	14.62	15.00	
	802.11g 6Mbps	1	2412	Not Required	15.00	98.06
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT20 MCS0	1	2412		15.00	98.18
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
	802.11n-HT40 MCS0	11	2462		14.50	94.90
		3	2422		15.00	
		6	2437		15.00	
		9	2452		13.00	

Power Table 6						
Ant 3						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.32	17.00	100.00
		6	2437	16.22	17.00	
		11	2462	16.18	17.00	
	802.11g 6Mbps	1	2412	Not Required	15.50	98.06
		2	2417		16.00	
		6	2437		17.00	
		10	2457		17.00	
		11	2462		14.50	
	802.11n-HT20 MCS0	1	2412		15.50	98.18
		2	2417		17.00	
		6	2437		17.00	
		10	2457		17.00	
	802.11n-HT40 MCS0	11	2462		14.50	94.90
		3	2422		15.50	
		6	2437		15.50	
		9	2452		13.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
	802.11n-HT20 MCS0	48	5240	16.40	17.00	97.93
		36	5180	16.40	17.50	
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	38	5190	13.40	14.00	95.85
		46	5230	19.40	20.00	
	802.11ac-VHT20 MCS0	36	5180	16.40	17.50	97.15
		40	5200	16.21	17.50	
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41
		46	5230	19.30	20.00	
	802.11ac-VHT80 MCS0	42	5210	12.30	15.50	92.00
		46	5230	19.30	20.00	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	15.50	97.09
		40	5200		15.50	
		44	5220		15.50	
	802.11n-HT20 MCS0	48	5240		15.50	97.93
		36	5180		15.50	
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS0	38	5190		14.00	95.85
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		15.50	97.15
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11ac-VHT40 MCS0	38	5190		14.00	96.41
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		14.89	92.00
		46	5230		15.50	

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.50	17.00	97.09
		40	5200	15.40	17.00	
		44	5220	15.60	17.00	
	802.11n-HT20 MCS0	48	5240	16.40	17.00	97.93
		36	5180	16.40	17.50	
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS0	38	5190	13.40	14.00	95.85
		46	5230	17.96	18.50	
	802.11ac-VHT20 MCS0	36	5180	16.40	17.50	97.15
		40	5200	16.21	17.50	
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
	802.11ac-VHT40 MCS0	38	5190	13.40	14.00	96.41
		46	5230	17.91	18.50	
	802.11ac-VHT80 MCS0	42	5210	12.30	15.50	92.00
		46	5230	17.91	18.50	

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

Ant 3						
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.00	97.09
		56	5280		17.00	
		60	5300		17.00	
	802.11n-HT20 MCS0	64	5320		17.00	97.93
		52	5260		17.50	
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270		18.12	95.85
		62	5310		14.89	
	802.11ac-VHT20 MCS0	52	5260		17.50	97.15
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11ac-VHT40 MCS0	54	5270		18.50	96.41
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	92.00
		62	5310		15.50	

5GHz WLAN		Ant 3				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.00	97.09
		56	5280		17.00	
		60	5300		17.00	
	64	5320	17.00			
	802.11n-HT20 MCS0	52	5260		17.50	97.93
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
		54	5270	18.12	18.50	
	802.11n-VHT40 MCS0	62	5310	14.80	15.50	95.85
		52	5260	17.50	97.15	
	802.11n-VHT20 MCS0	56	5280	17.50		
		60	5300	17.50		
		64	5320	17.50		
	802.11ac-VHT40 MCS0	54	5270	Not Required	18.50	96.41
62		5310	15.50			
802.11ac-VHT80 MCS0	58	5290		15.50	92.00	



Power Table 7						
2.4GHz WLAN	Ant 3					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.75	15.00	100.00
		6	2437	14.69	15.00	
		11	2462	14.62	15.00	
	802.11g 6Mbps	1	2412	Not Required	15.00	98.06
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.00	98.18
		2	2417		15.00	
		6	2437		15.00	
		10	2457		15.00	
		11	2462		14.50	
	802.11n-HT40 MCS9	3	2422		15.00	94.90
		6	2437		15.00	
		9	2452		13.00	

5GHz WLAN	Ant 3					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	15.50	97.09
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT20 MCS9	36	5180		15.50	97.93
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11n-HT40 MCS9	38	5190		14.00	95.85
		46	5230		15.50	
		48	5240		15.50	
	802.11ac-VHT20 MCS9	36	5180		15.50	97.15
		40	5200		15.50	
		44	5220		15.50	
		48	5240		15.50	
	802.11ac-VHT40 MCS9	38	5190		14.00	96.41
		46	5230		15.50	
	802.11ac-VHT80 MCS9	42	5210	14.89	15.50	92.00

5GHz WLAN	Ant 3					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	15.50	97.09
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT20 MCS9	52	5260		15.50	97.93
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS9	54	5270		15.50	95.85
		62	5310		15.50	
		52	5260		15.50	
	802.11ac-VHT20 MCS9	56	5280		15.50	97.15
		60	5300		15.50	
		64	5320		15.50	
		54	5270		15.50	96.41
		62	5310		15.50	
	802.11ac-VHT80 MCS9	58	5290	14.89	15.50	92.00

5GHz WLAN	Ant 3					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	15.00	97.09
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT20 MCS9	100	5500		15.00	97.93
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT40 MCS9	102	5510		15.00	95.85
		110	5550		15.00	
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
	802.11ac-VHT20 MCS9	100	5500		15.00	97.15
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11ac-VHT40 MCS9	102	5510		15.00	96.41
		110	5550		15.00	
		126	5630		15.00	
		134	5670		15.00	
		142	5710		15.00	
	802.11ac-VHT80 MCS9	106	5530	14.20	15.00	92.00
		122	5610	14.49	15.00	
		138	5690	14.52	15.00	

5GHz WLAN	Ant 3					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	Not Required	15.00	97.09
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT20 MCS9	148	5745		15.00	97.93
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT40 MCS9	151	5755		15.00	95.85
		159	5795		15.00	
		165	5825		15.00	
	802.11ac-VHT20 MCS9	148	5745		15.00	97.15
		157	5785		15.00	
		165	5825		15.00	
	802.11ac-VHT40 MCS9	151	5755		15.00	96.41
		159	5795		15.00	
		165	5825		15.00	
	802.11ac-VHT80 MCS9	155	5775	14.98	15.00	92.00

2.4GHz WLAN	Ant 3					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.82	18.00	100.00
		6	2437	17.72	18.00	
		11	2462	17.78	18.00	
	802.11g 6Mbps	1	2412	Not Required	15.50	98.06
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
		11	2462		14.50	
	802.11n-HT20 MCS9	1	2412		15.50	98.18
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
		11	2462		14.50	
	802.11n-HT40 MCS9	3	2422		15.50	94.90
		6	2437		15.50	
		9	2452		13.00	

5GHz WLAN	Ant 3					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.50	17.00	97.09
		40	5200	16.40	17.00	
		44	5220	16.60	17.00	
		48	5240	16.40	17.00	
	802.11n-HT20 MCS9	36	5180	16.40	17.50	97.93
		40	5200	16.35	17.50	
		44	5220	17.00	17.50	
		48	5240	17.10	17.50	
	802.11n-HT40 MCS9	38	5190	13.40	14.00	95.85
		46	5230	17.96	18.50	
		36	5180	16.40	17.50	
	802.11ac-VHT20 MCS9	40	5200	16.21	17.50	97.15
		44	5220	17.00	17.50	
		48	5240	17.00	17.50	
		38	5190	13.40	14.00	96.41
		46	5230	17.91	18.50	
	802.11ac-VHT80 MCS9	42	5210	12.30	15.50	92.00

5GHz WLAN	Ant 3					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	17.00	97.09
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11n-HT20 MCS9	52	5260		17.50	97.93
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS9	54	5270	17.12	18.00	95.85
		62	5310	15.50	18.00	
		52	5260		17.50	
	802.11ac-VHT20 MCS9	56	5280		17.50	97.15
		60	5300		17.50	
		64	5320		17.50	
		54	5270		18.00	96.41
		62	5310		18.00	
	802.11ac-VHT80 MCS9	58	5290	15.50	15.50	92.00

5GHz WLAN	Ant 3					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	17.50	97.09
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	
	802.11n-HT20 MCS9	144	5720		17.50	97.93
		100	5500		17.50	
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
	802.11n-HT40 MCS9	140	5700		17.50	95.85
		144	5720		17.50	
		102	5510		18.00	
		126	5630		18.00	
		134	5670	18.00		
	802.11ac-VHT20 MCS9	142	5710	18.00	97.15	
		100	5500	17.50		
		116	5580	17.50		
		124	5620	17.50		
		132	5660	17.50		
	802.11ac-VHT40 MCS9	140	5700	17.50	96.41	
		144	5720	17.50		
		102	5510	18.00		
110		5550	18.00			
126		5630	18.00			
802.11ac-VHT80 MCS9	134	5670	18.00	92.00		
	142	5710	18.00			
	106	5530	16.30			
			17.55	18.00		
			17.66	18.00		



Power Table 1/3/4/5

2.4GHz WLAN						
Ant 3+4						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	23.78	24.00	100.00
		6	2437	23.98	24.00	
		11	2462	23.01	24.00	
	802.11g 6Mbps	1	2412	18.20	18.50	97.58
		2	2417	20.61	21.00	
		6	2437	22.95	23.00	
		10	2457	20.86	21.00	
		11	2462	17.14	17.50	
	802.11n-HT20 MCS9	1	2412	17.98	18.50	98.19
		2	2417	20.12	21.00	
		6	2437	22.94	23.00	
		10	2457	20.11	21.00	
		11	2462	16.93	17.50	
	802.11n-HT40 MCS9	3	2422	16.27	18.50	93.91
		6	2437	17.25	18.50	
		9	2452	15.23	16.00	

Power Table 2

2.4GHz WLAN		Ant 3+4					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11b 1Mbps	1	2412	17.04	18.00	100.00	
		6	2437	17.18	18.00		
		11	2462	17.23	18.00		
	802.11g 6Mbps	1	2412	Not Required	18.00	97.58	
		2	2417		18.00		
		6	2437		18.00		
		10	2457		18.00		
		11	2462		17.50		
	802.11nHT20 MCS9	1	2412		18.00		98.19
		2	2417		18.00		
		6	2437		18.00		
		10	2457		18.00		
		11	2462		17.50		
	802.11nHT40 MCS9	3	2422		18.00		93.91
		6	2437		18.00		
		9	2452		16.00		

Power Table 6

2.4GHz WLAN		Ant 3+4				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.61	20.00	100.00
		6	2437	19.64	20.00	
		11	2462	19.72	20.00	
	802.11g 6Mbps	1	2412	18.50	Not Required	97.58
		2	2417	21.00		
		6	2437	23.00		
		10	2457	21.00		
		11	2462	17.50		
	802.11n HT20 MCS9	1	2412	18.50		98.19
		2	2417	21.00		
		6	2437	23.00		
		10	2457	21.00		
		11	2462	17.50		
	802.11n HT40 MCS9	3	2422	18.50		93.91
		6	2437	18.50		
		9	2452	16.00		

5GHz WLAN

5GHz WLAN						
Ant 3+4						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	19.86	20.00	97.35
		40	5200	19.41	20.00	
		44	5220	19.61	20.00	
		48	5240	19.41	20.00	
	802.11n-HT20 MCS9	36	5180	19.67	20.50	97.93
		40	5200	19.92	20.50	
		44	5220	20.16	20.50	
		48	5240	20.01	20.50	
	802.11n-HT40 MCS9	38	5190	16.56	17.00	95.85
		46	5230	22.56	23.00	
		36	5180	19.61	20.50	
	802.11ac-VHT20 MCS9	40	5200	19.76	20.50	97.15
		44	5220	20.11	20.50	
		48	5240	19.96	20.50	
	802.11ac-VHT40 MCS9	38	5190	16.51	17.00	95.88
		46	5230	22.41	23.00	
	802.11ac-VHT80 MCS9	42	5210	15.26	18.50	91.84

5GHz WLAN

5GHz WLAN						
Ant 3+4						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	19.61	20.00	97.35
		56	5280	19.77	20.00	
		60	5300	19.67	20.00	
		64	5320	19.41	20.00	
	802.11n-HT20 MCS9	52	5260	19.76	20.50	97.93
		56	5280	19.71	20.50	
		60	5300	20.11	20.50	
		64	5320	19.81	20.50	
	802.11n-HT40 MCS9	54	5270	22.52	23.00	95.85
		62	5310	17.91	18.50	
	802.11ac-VHT20 MCS9	52	5260	19.71	20.50	97.15
		56	5280	19.67	20.50	
		60	5300	20.06	20.50	
		64	5320	19.76	20.50	
	802.11ac-VHT40 MCS9	54	5270	22.37	23.00	95.88
		62	5310	17.86	18.50	
	802.11ac-VHT80 MCS9	58	5290	17.36	18.50	91.84

5GHz WLAN

5GHz WLAN						
Ant 3+4						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	19.61	20.50	97.35
		116	5580	19.53	20.50	
		124	5620	19.60	20.50	
		132	5660	19.84	20.50	
		140	5700	19.90	20.50	
		144	5720	19.84	20.50	
	802.11n-HT20 MCS9	100	5500	20.06	20.50	97.93
		116	5580	19.90	20.50	
		124	5620	20.00	20.50	
		132	5660	19.84	20.50	
		140	5700	19.90	20.50	
		144	5720	19.90	20.50	
	802.11n-HT40 MCS9	102	5510	20.16	21.00	95.85
		110	5550	22.57	23.00	
		126	5630	22.28	23.00	
		134	5670	22.57	23.00	
		142	5710	22.53	23.00	
		100	5500	20.01	20.50	
	802.11ac-VHT20 MCS9	116	5580	19.84	20.50	97.15
		124	5620	19.90	20.50	
		132	5660	19.78	20.50	
		140	5700	19.80	20.50	
		144	5720	19.84	20.50	
		102	5510	20.16	21.00	
	802.11ac-VHT40 MCS9	110	5550	22.21	23.00	95.88
		126	5630	22.38	23.00	
		134	5670	22.43	23.00	
		142	5710	22.37	23.00	
	802.11ac-VHT80 MCS9	106	5530	19.31	20.00	91.84
		122	5610	21.98	22.50	
		138	5690	21.68	22.50	

5GHz WLAN

5.8GHz WLAN						
Ant 3+4						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	23.35	24.00	97.35
		157	5785	23.38	24.00	
		165	5825	23.34	24.00	
	802.11n-HT20 MCS9	148	5745	22.91	23.00	97.93
		157	5785	22.88	23.00	
		165	5825	22.70	23.00	
	802.11n-HT40 MCS9	151	5755	22.60	23.00	95.85
		159	5795	22.63	23.00	
	802.11ac-VHT20 MCS9	148	5745	22.95	23.00	97.15
		157	5785	22.84	23.00	
		165	5825	22.70	23.00	
	802.11ac-VHT40 MCS9	151	5755	22.18	23.00	95.88
		159	5795	22.24	23.00	
	802.11ac-VHT80 MCS9	155	5775	21.94	23.00	91.84

5GHz WLAN

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	18.50	97.35
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
	802.11n-HT20 MCS9	36	5180		18.50	97.93
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
	802.11n-HT40 MCS9	38	5190		17.00	95.85
		46	5230		18.50	
	802.11ac-VHT20 MCS9	36	5180		18.50	97.15
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
802.11ac-VHT40 MCS9	38	5190	17.00		95.88	
	46	5230	18.50			
802.11ac-VHT80 MCS9	42	5210	17.87	18.50	91.84	



Power Table 7						
2.4GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.04	18.00	100.00
		6	2437	17.18	18.00	
		11	2462	17.23	18.00	
	802.11g 6Mbps	1	2412	Not Required	18.00	97.58
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
		11	2462		17.50	
	802.11n-HT20 MCS0	1	2412		18.00	98.19
		2	2417		18.00	
		6	2437		18.00	
		10	2457		18.00	
	802.11n-HT40 MCS0	11	2462		17.50	93.91
		3	2422		18.00	
		6	2437		18.00	
		9	2452		16.00	

5GHz WLAN						
5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	97.35
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
	802.11n-HT20 MCS0	36	5180		18.50	97.93
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
	802.11n-HT40 MCS0	38	5190		17.00	95.85
		46	5230		18.50	
	802.11ac-VHT20 MCS0	36	5180		18.50	97.15
		40	5200		18.50	
		44	5220		18.50	
		48	5240		18.50	
	802.11ac-VHT40 MCS0	38	5190		17.00	95.88
		46	5230		18.50	
	802.11ac-VHT80 MCS0	42	5210	17.87	18.50	91.84

5GHz WLAN						
5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.00	97.35
		56	5280		18.00	
		60	5300		18.00	
		64	5320		18.00	
	802.11n-HT20 MCS0	52	5260		18.00	97.93
		56	5280		18.00	
		60	5300		18.00	
		64	5320		18.00	
	802.11n-HT40 MCS0	54	5270		18.00	95.85
		62	5310		18.00	
	802.11ac-VHT20 MCS0	52	5260		18.00	97.15
		56	5280		18.00	
		60	5300		18.00	
		64	5320		18.00	
	802.11ac-VHT40 MCS0	54	5270		18.00	95.88
		62	5310		18.00	
	802.11ac-VHT80 MCS0	58	5290	17.87	18.00	91.84

5GHz WLAN						
5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	18.00	97.35
		116	5580		18.00	
		124	5620		18.00	
		132	5660		18.00	
		140	5700		18.00	
		144	5720		18.00	
	802.11n-HT20 MCS0	100	5500		18.00	97.93
		116	5580		18.00	
		124	5620		18.00	
		132	5660		18.00	
		140	5700		18.00	
		144	5720		18.00	
	802.11n-HT40 MCS0	102	5510		18.00	95.85
		110	5550		18.00	
		126	5630		18.00	
		134	5670		18.00	
		142	5710		18.00	
		100	5500		18.00	
	802.11ac-VHT20 MCS0	116	5580		18.00	97.15
		124	5620		18.00	
		132	5660		18.00	
		140	5700		18.00	
		144	5720		18.00	
		102	5510		18.00	
	802.11ac-VHT40 MCS0	110	5550		18.00	95.88
		126	5630		18.00	
		134	5670		18.00	
		142	5710		18.00	
		106	5630		17.72	91.84
		122	5610		17.72	
	802.11ac-VHT80 MCS0	138	5690	17.76	18.00	

5GHz WLAN						
5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	18.00	97.35
		157	5785		18.00	
		165	5825		18.00	
	802.11n-HT20 MCS0	149	5745		18.00	97.93
		157	5785		18.00	
		165	5825		18.00	
	802.11n-HT40 MCS0	151	5755		18.00	95.85
		159	5795		18.00	
		149	5745		18.00	
	802.11ac-VHT20 MCS0	157	5785		18.00	97.15
		165	5825		18.00	
		151	5755		18.00	
	802.11ac-VHT40 MCS0	159	5795		18.00	95.88
		155	5775		17.38	
		155	5775		18.00	

Power Table 8						
2.4GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.41	21.00	100.00
		6	2437	20.44	21.00	
		11	2462	20.42	21.00	
	802.11g 6Mbps	1	2412	Not Required	18.50	97.58
		2	2417		21.00	
		6	2437		23.00	
		10	2457		21.00	
		11	2462		17.50	
	802.11n-HT20 MCS0	1	2412		18.50	98.19
		2	2417		21.00	
		6	2437		23.00	
		10	2457		21.00	
	802.11n-HT40 MCS0	11	2462		17.50	93.91
		3	2422		18.50	
		6	2437		18.50	
		9	2452		16.00	

5GHz WLAN						
5GHz WLAN		Ant 3+4				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.86	20.00	97.35
		40	5200	19.41	20.00	
		44	5220	19.61	20.00	
		48	5240	19.41	20.00	
	802.11n-HT20 MCS0	36	5180	19.67	20.50	97.93
		40	5200	19.92	20.50	
		44	5220	20.16	20.50	
		48	5240	20.01	20.50	
	802.11n-HT40 MCS0	38	5190	16.56	17.00	95.85
		46	5230	20.98	21.50	
	802.11ac-VHT20 MCS0	36	5180	19.61	20.50	97.15
		40	5200	19.76	20.50	
		44	5220	20.11	20.50	
		48	5240	19.96	20.50	
	802.11ac-VHT40 MCS0	38	5190	16.51	17.00	95.88
		46	5230	20.85	21.50	
	802.11ac-VHT80 MCS0	42	5210	15.26	18.50	91.84

5GHz WLAN		Ant 3+4				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	20.00	97.35
		56	5280		20.00	
		60	5300		20.00	
		64	5320		20.00	
	802.11n-HT20 MCS0	52	5260		20.50	97.93
		56	5280		20.50	
		60	5300		20.50	
		64	5320		20.50	
	802.11n-HT40 MCS0	54	5270		19.91	95.85
		62	5310		18.50	
	802.11ac-VHT20 MCS0	52	5260		20.50	97.15
		56	5280		20.50	
		60	5300		20.50	
		64	5320		20.50	
	802.11ac-VHT40 MCS0	54	5270		21.00	95.88
62		5310	18.50			
802.11ac-VHT80 MCS0	58	5290	18.50	91.84		

Bluetooth Ant 4

BR / EDR

Power Table 2

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

Power Table 1

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

LE

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

LE 5.0

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