

Full&Default Power Mode

GSM900_Ant 0		Back-Antenna Power (dBm)			Front-Antenna Power (dBm)			Tune-up	
TX Channel		128	188	261	Limit	128	188	261	Limit
Frequency (MHz)		893.2	893.4	893.6	(dBm)	893.2	893.4	893.6	(dBm)
GSM 1 Tx slot		32.92	32.48	32.63	33.68	33.32	33.48	33.63	24.58
GPRS 1 Tx slot		32.91	32.43	32.61	33.68	33.31	33.43	33.61	24.60
GPRS 3 Tx slots		33.23	33.02	33.98	31.69	34.23	34.02	33.98	25.00
GPRS 3 Tx slots		38.68	38.70	38.53	39.59	34.42	34.44	34.27	25.24
EDGE 1 Tx slot		38.89	37.01	36.60	38.88	33.89	34.01	33.60	25.00
EDGE 3 Tx slot		33.83	35.43	33.60	38.88	34.83	34.43	34.60	17.50
EDGE 3 Tx slots		25.04	24.38	24.82	25.59	19.04	18.58	18.82	19.50
EDGE 3 Tx slots		25.00	25.22	25.54	25.68	19.00	19.22	19.76	19.24
EDGE 4 Tx slots		21.20	21.15	21.10	21.59	18.26	18.15	18.10	18.50

GSM1900_Ant 2		Back-Antenna Power (dBm)			Front-Antenna Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1937.2	1937.4	1937.6	(dBm)	1937.2	1937.4	1937.6	(dBm)
GSM 1 Tx slot		29.73	29.84	29.62	30.59	29.76	29.84	29.62	21.50
GPRS 1 Tx slot		29.73	29.81	29.78	30.59	29.73	29.81	29.78	21.50
GPRS 3 Tx slots		27.40	27.56	27.47	27.98	21.40	21.56	21.47	21.50
GPRS 3 Tx slots		25.99	25.76	25.71	26.88	21.43	21.59	21.45	21.50
GPRS 4 Tx slots		24.15	24.22	24.27	24.59	21.15	21.22	21.27	21.50
EDGE 1 Tx slot		22.58	22.24	21.68	24.59	18.52	18.24	18.68	17.00
EDGE 2 Tx slots		24.23	24.27	24.33	26.88	18.23	18.27	18.33	19.00
EDGE 3 Tx slots		22.88	22.85	22.77	23.68	18.42	18.29	18.51	18.74
EDGE 4 Tx slots		20.30	20.20	20.54	21.68	17.30	17.20	17.34	18.50

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1			Tune-up	
TX Channel		8862	9600	9938	Limit	8862	9600	9938	Limit
Frequency (MHz)		2137.4	2137.6	2137.8	(dBm)	2137.4	2137.6	2137.8	(dBm)
3GPP Rel 99 AMR 12.2kbps		22.94	23.59	22.99	24.00	24.13	22.35	22.19	24.00
3GPP Rel 99 RMC 12.2kbps		22.94	23.12	22.59	24.00	22.14	22.35	22.21	24.00
3GPP Rel 6 HSPA Subnet-1		21.90	22.00	22.11	23.00	21.09	21.47	21.05	23.00
3GPP Rel 6 HSPA Subnet-2		21.95	22.06	22.11	23.00	21.07	21.35	21.04	23.00
3GPP Rel 6 HSPA Subnet-3		21.44	21.33	21.59	22.50	20.54	20.33	20.50	22.50
3GPP Rel 6 HSPA Subnet-4		21.43	21.33	21.64	22.50	20.57	20.37	20.57	22.50
3GPP Rel 6 DC-HSPA Subnet-1		21.88	21.09	22.00	23.00	21.09	21.47	21.05	23.00
3GPP Rel 6 DC-HSPA Subnet-2		21.93	22.04	22.09	23.00	21.07	21.35	21.04	23.00
3GPP Rel 6 DC-HSPA Subnet-3		21.43	21.11	21.67	22.50	20.54	20.33	20.50	22.50
3GPP Rel 6 DC-HSPA Subnet-4		21.41	21.01	21.62	22.50	20.57	20.37	20.57	22.50
3GPP Rel 6 HSPA Subnet-1		21.94	22.01	22.17	23.00	21.08	21.48	21.07	23.00
3GPP Rel 6 HSPA Subnet-2		20.00	19.99	20.16	21.00	19.16	18.47	18.00	21.00
3GPP Rel 6 HSPA Subnet-3		21.02	21.03	21.16	22.00	20.11	20.48	20.08	22.00
3GPP Rel 6 HSPA Subnet-4		19.99	20.04	20.09	21.00	19.13	19.50	19.08	21.00
3GPP Rel 6 HSPA Subnet-5		22.00	22.00	22.20	23.00	21.18	21.38	21.07	23.00

Band		WCDMA IV_Ant 0			WCDMA IV_Ant 1			Tune-up	
TX Channel		4152	4182	4233	Limit	4152	4182	4233	Limit
Frequency (MHz)		4367	4407	4458	(dBm)	4367	4407	4458	(dBm)
3GPP Rel 99 AMR 12.2kbps		22.93	22.94	22.80	24.00	22.88	22.97	22.85	24.00
3GPP Rel 99 RMC 12.2kbps		22.96	22.97	22.89	24.00	22.88	23.00	22.96	24.00
3GPP Rel 6 HSPA Subnet-1		21.92	21.88	21.80	23.00	21.07	21.05	21.06	23.00
3GPP Rel 6 HSPA Subnet-2		21.92	21.91	21.88	23.00	21.02	21.08	21.06	23.00
3GPP Rel 6 HSPA Subnet-3		21.45	21.59	21.38	22.50	21.44	21.46	21.45	22.50
3GPP Rel 6 HSPA Subnet-4		21.46	21.59	21.38	22.50	21.38	21.47	21.45	22.50
3GPP Rel 6 DC-HSPA Subnet-1		21.92	21.85	21.86	23.00	21.04	21.92	21.93	23.00
3GPP Rel 6 DC-HSPA Subnet-2		21.42	21.48	21.65	22.50	21.46	21.42	21.45	22.50
3GPP Rel 6 DC-HSPA Subnet-3		21.42	21.35	21.32	22.50	21.41	21.46	21.42	22.50
3GPP Rel 6 DC-HSPA Subnet-4		21.45	21.36	21.33	22.50	21.35	21.44	21.42	22.50
3GPP Rel 6 HSPA Subnet-1		21.99	21.02	21.62	23.00	21.02	21.65	21.02	23.00
3GPP Rel 6 HSPA Subnet-2		19.85	19.87	19.88	21.00	19.81	19.94	19.92	21.00
3GPP Rel 6 HSPA Subnet-3		20.75	20.90	20.84	22.00	20.60	20.91	20.92	22.00
3GPP Rel 6 HSPA Subnet-4		19.95	19.93	19.85	21.00	19.87	19.90	19.81	21.00
3GPP Rel 6 HSPA Subnet-5		21.90	21.96	21.80	23.00	21.88	21.98	21.80	23.00

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1			Tune-up	
TX Channel		1512	1543	1513	Limit	1512	1543	1513	Limit
Frequency (MHz)		1537	1538	1536	(dBm)	1537	1538	1536	(dBm)
3GPP Rel 99 AMR 12.2kbps		22.95	22.96	22.73	24.00	22.15	22.37	22.37	24.00
3GPP Rel 99 RMC 12.2kbps		22.97	22.98	22.76	24.00	22.14	22.38	22.34	24.00
3GPP Rel 6 HSPA Subnet-1		21.86	21.72	21.98	23.00	21.33	21.11	21.36	23.00
3GPP Rel 6 HSPA Subnet-2		22.00	21.76	21.84	23.00	21.37	21.11	21.35	23.00
3GPP Rel 6 HSPA Subnet-3		21.03	21.20	21.47	22.50	20.55	20.60	20.83	22.50
3GPP Rel 6 HSPA Subnet-4		21.48	21.23	21.46	22.50	20.84	20.61	20.84	22.50
3GPP Rel 6 DC-HSPA Subnet-1		21.94	21.70	21.94	23.00	21.33	21.11	21.30	23.00
3GPP Rel 6 DC-HSPA Subnet-2		21.98	21.74	21.92	23.00	21.37	21.11	21.35	23.00
3GPP Rel 6 DC-HSPA Subnet-3		21.81	21.21	21.41	22.50	20.56	20.60	20.83	22.50
3GPP Rel 6 DC-HSPA Subnet-4		21.46	21.21	21.43	22.50	20.84	20.61	20.84	22.50
3GPP Rel 6 HSPA Subnet-1		21.07	21.80	21.99	23.00	21.33	21.10	21.33	23.00
3GPP Rel 6 HSPA Subnet-2		20.00	19.71	19.91	21.00	19.22	19.09	19.32	21.00
3GPP Rel 6 HSPA Subnet-3		20.99	20.60	21.00	22.00	20.96	20.11	20.34	22.00
3GPP Rel 6 HSPA Subnet-4		19.99	19.75	19.93	21.00	19.30	19.09	19.38	21.00
3GPP Rel 6 HSPA Subnet-5		22.00	21.80	22.00	23.00	21.40	21.10	21.30	23.00



Band 2_Ant 2											
BW (MHz)	Modulation	RS SS	RS CQI	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)			
Channel											
18700 18900 19150											
20	QPSK	1	0	22.87	22.88	22.88	24	0			
20	QPSK	1	49	22.88	22.88	22.88					
20	QPSK	1	99	22.73	22.74	22.80					
20	QPSK	50	24	22.38	22.45	22.52					
20	QPSK	50	49	22.32	22.40	22.50	23	1			
20	QPSK	100	0	22.23	22.31	22.37					
20	QPSK	1	0	22.21	22.12	22.18					
20	QPSK	50	0	22.21	22.07	22.15					
20	QPSK	1	99	22.15	22.08	22.16	23	1			
20	QPSK	50	0	22.04	21.93	22.07					
20	QPSK	100	0	22.07	22.15	22.27					
20	QPSK	50	50	22.03	21.99	22.08					
20	QPSK	100	0	22.04	22.05	22.10	23	1			
20	QPSK	1	99	22.22	22.09	22.11					
20	QPSK	50	0	21.88	21.86	22.07					
20	QPSK	50	24	21.00	20.99	21.17					
20	QPSK	50	49	21.00	20.99	21.17	22	2			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	21	3			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50	24	21.09	20.98	21.10					
20	QPSK	50	49	21.00	20.99	21.17	19	5			
20	QPSK	100	0	21.04	21.03	21.17					
20	QPSK	1	99	21.02	20.97	21.09					
20	QPSK	50									



Band 4_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MPE (dB)			
Channel											
Frequency (MHz)				1720	1725.5	1745					
30	QPSK	1	0	22.31	22.38	22.35					
30	QPSK	1	48	22.26	22.14	22.13	24	0			
30	QPSK	1	96	22.18	22.03	22.28					
30	QPSK	50	0	21.65	21.65	21.65					
30	QPSK	50	24	21.62	21.65	21.58	23	1			
30	QPSK	50	48	21.49	21.44	21.54					
30	QPSK	100	0	21.48	21.54	21.37					
30	16QAM	1	0	22.14	21.50	21.57					
30	16QAM	1	48	21.50	22.17	21.88	23	1			
30	16QAM	1	96	21.88	21.59	21.83					
30	16QAM	50	0	20.75	20.75	20.75					
30	16QAM	50	24	20.81	20.68	20.68	22	2			
30	16QAM	50	50	20.75	20.75	20.75					
30	16QAM	100	0	20.81	20.65	20.65					
30	16QAM	100	0	20.97	20.97	20.75					
30	16QAM	1	48	20.78	21.14	20.94	22	2			
30	16QAM	1	96	20.74	20.94	20.92					
30	16QAM	50	0	19.73	19.73	19.87					
30	16QAM	50	24	19.59	19.75	19.83	21	3			
30	16QAM	50	50	19.66	19.70	19.68					
30	16QAM	100	0	19.73	19.82	19.86					
30	16QAM	100	0	19.73	19.82	19.86					
30	256QAM	1	0	18.11	18.21	18.15	19	5			
30	256QAM	1	48	18.02	18.15	18.11					
30	256QAM	50	0	18.09	18.18	18.15					
30	256QAM	50	24	18.10	18.22	18.18	19	5			
30	256QAM	50	48	18.01	18.14	18.05					
30	256QAM	100	0	18.01	18.14	18.05					
30	256QAM	100	0	18.01	18.14	18.05					
Channel				1717.5	1725.5	1747.5	Turn-on time (min)	MPE (dB)			
Frequency (MHz)				1717.5 <td>1725.5</td> <td>1747.5</td> <td></td> <td></td> <td colspan="3"></td>	1725.5	1747.5					
15	QPSK	1	0	22.31	22.24	22.22					
15	QPSK	1	37	22.07	22.08	22.02	24	0			
15	QPSK	1	74	22.07	22.14	22.22					
15	QPSK	36	0	21.68	21.54	21.46					
15	QPSK	36	20	21.68	21.58	21.55	23	1			
15	QPSK	36	59	21.58	21.48	21.47					
15	QPSK	75	0	21.52	21.49	21.56					
15	16QAM	1	0	21.94	21.67	21.88					
15	16QAM	1	20	21.88	21.60	21.84	23	1			
15	16QAM	1	74	21.94	21.62	21.97					
15	16QAM	36	0	20.83	20.75	20.70					
15	16QAM	36	20	20.75	20.84	20.75	22	2			
15	16QAM	36	39	20.58	20.57	20.68					
15	16QAM	75	0	20.78	20.61	20.71					
15	16QAM	75	0	20.33	20.31	20.54					
15	16QAM	1	37	21.02	20.82	20.82	22	2			
15	16QAM	1	74	20.97	20.89	20.89					
15	16QAM	36	0	19.89	19.71	19.87					
15	16QAM	36	20	19.75	19.51	19.97	21	3			
15	16QAM	36	59	19.80	19.73	19.82					
15	16QAM	75	0	19.70	19.68	19.71					
15	256QAM	1	0	18.08	18.11	17.92					
15	256QAM	1	37	17.98	18.06	18.02	19	5			
15	256QAM	1	74	17.93	18.06	18.04					
15	256QAM	36	0	17.87	18.13	18.10					
15	256QAM	36	20	17.87	18.06	18.04	19	5			
15	256QAM	36	59	17.97	18.05	17.93					
15	256QAM	75	0	17.87	17.98	17.94					
Channel				1715	1725.5	1739.5	Turn-on time (min)	MPE (dB)			
Frequency (MHz)				1715	1725.5	1739.5					
10	QPSK	1	0	22.34	22.24	22.21					
10	QPSK	1	25	22.27	22.25	22.28	24	0			
10	QPSK	1	50	22.30	22.13	22.28					
10	QPSK	25	0	21.91	21.77	21.75					
10	QPSK	25	12	22.03	21.82	21.81	23	1			
10	QPSK	25	25	21.85	21.77	21.84					
10	QPSK	50	0	21.93	21.79	21.82					
10	16QAM	1	0	22.18	22.25	22.04					
10	16QAM	1	25	22.30	22.28	22.17	23	1			
10	16QAM	1	49	22.11	21.94	21.75					
10	16QAM	25	0	20.92	20.81	20.75					
10	16QAM	25	12	21.01	20.93	20.98	22	2			
10	16QAM	25	25	20.85	20.75	20.78					
10	16QAM	50	0	20.94	20.97	20.78					
10	16QAM	50	0	20.78	21.13	20.59					
10	16QAM	1	25	21.08	21.03	20.94	22	2			
10	16QAM	1	49	21.18	21.30	21.06					
10	16QAM	25	0	19.80	19.74	19.74					
10	16QAM	25	12	20.00	19.79	19.91	21	3			
10	16QAM	25	50	19.87	19.81	19.84					
10	16QAM	50	0	19.80	19.74	19.87					
10	256QAM	1	0	18.05	18.19	17.95					
10	256QAM	1	49	18.03	18.14	18.13	19	5			
10	256QAM	1	96	17.87	18.10	18.08					
10	256QAM	25	0	18.00	18.17	18.00					
10	256QAM	25	12	18.00	18.16	18.00	19	5			
10	256QAM	25	25	17.95	18.06	17.92					
10	256QAM	50	0	18.05	17.99	17.91					
Channel				1712.5	1725.5	1732.5	Turn-on time (min)	MPE (dB)			
Frequency (MHz)				1712.5	1725.5	1732.5					
5	QPSK	1	0	22.10	22.24	22.27					
5	QPSK	1	12	22.14	22.12	22.13	24	0			
5	QPSK	1	24	22.27	22.21	22.28					
5	QPSK	12	0	21.94	21.74	21.74					
5	QPSK	12	7	21.96	21.78	21.78	23	1			
5	QPSK	15	0	21.96	21.75	21.82					
5	QPSK	25	0	21.94	21.74	21.75					
5	16QAM	1	0	22.06	21.77	21.75					
5	16QAM	1	15	22.21	22.06	21.83	23	1			
5	16QAM	1	24	22.28	22.13	22.06					
5	16QAM	12	0	20.85	20.70	20.79					
5	16QAM	12	7	21.04	20.89	20.84	22	2			
5	16QAM	12	13	21.04	20.89	20.88					
5	16QAM	25	0	21.02	20.73	20.70					
5	16QAM	25	0	21.10	21.16	20.83					
5	16QAM	1	12	21.48	20.79	20.75	22	2			
5	16QAM	1	24	21.21	20.86	20.75					
5	16QAM	12	0	20.88	19.77	19.81	21	3			
5	16QAM	12	7	19.86	19.89	19.76					
5	16QAM	12	13	20.00	19.74	19.82					
5	256QAM	1	0	18.09	18.09	18.02					
5	256QAM	1	24	17.95	18.07	17.97	19	5			
5	256QAM	1	49	17.95	18.07	17.97					
5	256QAM	12	0	18.05	18.14	18.04					
5	256QAM	12	7	18.05	18.14	18.04	1				
5	256QAM	12	13	17.88	18.01	17.96					
5	256QAM	25	0	18.05	17.99	17.91					
Channel				1715.5	1725.5	1735.5	Turn-on time (min)	MPE (dB)			
Frequency (MHz)				1715.5	1725.5	1735.5					
1.4	QPSK	1	0	22.15	22.26	22.24					
1.4	QPSK	1	14	22.18	22.33	22.13	24	0			
1.4	QPSK	1	14	22.05	22.15	22.28					
1.4	QPSK	7	0	21.87	21.74	21.79					
1.4	QPSK	7	7	21.83	21.67	21.68	23	1			
1.4	QPSK	15	0	21.86	21.78	21.81					
1.4	QPSK	15	0	22.24	21.91	21.89					
1.4	16QAM	1	8	22.12	22.25	22.08	23	1			
1.4	16QAM	1	8	22.14	22.14	22.14					
1.4	16QAM	8	0	21.11	20.85	20.84					
1.4	16QAM	8	4	20.88	20.71	20.77	22	2			
1.4	16QAM	8	4	20.88	20.71	20.77					
1.4	16QAM	15	0	20.91	20.65	20.62					
1.4	16QAM	15	0	20.70	20.46	20.80	22	2			
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0	20.70	20.46	20.80					
1.4	16QAM	15	0								



Band 7_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int / dim)	MPR (dB)				
Channel												
Frequency (MHz)				20850	21610	21610						
20	QPSK	1	0	23.21	23.33	23.19						
20	QPSK	1	96	23.17	23.25	23.15	24	0				
20	QPSK	50	24	22.90	22.93	22.85						
20	QPSK	50	50	22.87	22.90	22.82	24	0				
20	QPSK	100	0	22.87	22.94	22.83						
20	HQAM	1	0	22.68	22.67	22.67						
20	HQAM	1	48	22.60	22.60	22.60						
20	HQAM	1	96	22.70	22.86	22.74	24	0				
20	HQAM	50	0	22.20	22.21	22.20						
20	HQAM	50	24	22.23	22.35	22.39	23	1				
20	HQAM	100	0	22.20	22.24	22.25						
20	HQAM	1	0	22.35	22.46	22.53						
20	HQAM	1	48	22.40	22.50	22.50	23	1				
20	HQAM	1	96	22.45	22.46	22.43						
20	HQAM	50	0	21.15	21.21	21.21						
20	HQAM	50	24	21.30	21.36	21.32	22	2				
20	HQAM	50	50	21.30	21.32	21.33						
20	SSBDM	1	0	18.60	18.70	18.63						
20	SSBDM	1	48	18.64	18.70	18.71	19	5				
20	SSBDM	1	96	18.74	18.75	18.71						
20	SSBDM	50	0	18.71	18.72	18.59						
20	SSBDM	50	24	18.67	18.60	18.76	19	5				
20	SSBDM	50	50	18.60	18.77	18.63						
Channel				20825	21610	21575	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20825	21610	21575						
15	QPSK	1	0	23.12	23.26	23.24						
15	QPSK	1	37	23.12	23.26	23.24	24	0				
15	QPSK	1	74	23.11	23.27	23.18						
15	QPSK	36	0	22.79	22.90	22.92						
15	QPSK	36	20	22.69	22.94	23.03	24	0				
15	QPSK	36	40	22.67	22.91	22.97						
15	QPSK	75	0	22.60	22.62	23.03						
15	HQAM	1	0	22.54	22.60	22.63						
15	HQAM	1	37	22.61	22.61	23.18	24	0				
15	HQAM	1	74	22.74	22.84	22.83						
15	HQAM	36	0	22.22	22.23	22.31						
15	HQAM	36	20	22.20	22.26	22.43	23	1				
15	HQAM	36	36	22.20	22.39	22.44						
15	HQAM	75	0	22.32	22.33	22.44						
15	HQAM	36	0	22.36	22.23	22.54						
15	HQAM	1	37	22.34	22.44	22.54	23	1				
15	HQAM	1	74	22.41	22.56	22.60						
15	HQAM	36	0	21.20	21.20	21.43						
15	HQAM	36	20	21.20	21.37	21.45	22	2				
15	HQAM	36	36	21.25	21.42	21.43						
15	HQAM	75	0	21.30	21.38	21.38						
15	SSBDM	1	0	18.50	18.72	18.71						
15	SSBDM	1	37	18.55	18.56	18.61	19	5				
15	SSBDM	1	74	18.60	18.70	18.64						
15	SSBDM	36	0	18.60	18.60	18.52						
15	SSBDM	36	20	18.57	18.55	18.74	19	5				
15	SSBDM	36	36	18.57	18.58	18.60						
15	SSBDM	75	0	18.63	18.73	18.65						
Channel				20880	21560	21400	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20880	21560	21400						
15	QPSK	1	0	23.20	23.29	23.20						
15	QPSK	1	25	23.29	23.11	23.12	24	0				
15	QPSK	1	50	23.23	23.23	23.15						
15	QPSK	25	0	22.93	23.03	23.17						
15	QPSK	25	12	23.03	23.06	23.21	24	0				
15	QPSK	25	25	22.96	23.02	23.15						
15	QPSK	50	0	23.00	23.02	23.17						
15	HQAM	1	0	23.05	22.98	23.06						
15	HQAM	1	25	23.11	23.04	23.11	24	0				
15	HQAM	1	48	22.98	23.13	23.10						
15	HQAM	25	0	22.40	22.46	22.59						
15	HQAM	25	12	22.60	22.54	22.60						
15	HQAM	25	25	22.40	22.58	22.62	23	1				
15	HQAM	50	0	22.43	22.46	22.58						
15	HQAM	1	0	22.50	22.58	22.73						
15	HQAM	1	25	22.54	22.60	22.74	23	1				
15	HQAM	1	48	22.57	22.66	22.86						
15	HQAM	25	0	21.30	21.49	21.57						
15	HQAM	25	12	21.44	21.48	21.58	22	2				
15	HQAM	25	25	21.47	21.50	21.60						
15	HQAM	50	0	21.46	21.47	21.55						
15	SSBDM	1	0	18.67	18.69	18.66						
15	SSBDM	1	25	18.65	18.66	18.54	19	5				
15	SSBDM	1	48	18.62	18.72	18.67						
15	SSBDM	25	0	18.60	18.70	18.65						
15	SSBDM	25	12	18.62	18.74	18.63	19	5				
15	SSBDM	25	25	18.57	18.69	18.59						
15	SSBDM	50	0	18.67	18.65	18.63						
Channel				20775	21560	21425	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20775	21560	21425						
5	QPSK	1	0	22.80	22.77	23.04						
5	QPSK	1	12	22.97	23.07	23.18	24	0				
5	QPSK	1	24	22.93	23.04	23.15						
5	QPSK	12	0	22.85	23.01	23.15						
5	QPSK	12	7	23.03	23.15	23.25	24	0				
5	QPSK	12	13	22.80	23.11	23.18						
5	QPSK	25	0	22.99	23.00	23.08						
5	HQAM	1	0	22.80	23.08	23.07						
5	HQAM	1	12	23.04	23.09	23.23	24	0				
5	HQAM	1	24	23.02	23.07	23.22						
5	HQAM	12	0	22.40	22.44	22.50						
5	HQAM	12	7	22.47	22.61	22.66						
5	HQAM	12	13	22.40	22.58	22.64	23	1				
5	HQAM	25	0	22.40	22.47	22.48						
5	HQAM	1	0	22.61	22.71	22.73						
5	HQAM	1	12	22.69	22.73	22.75	23	1				
5	HQAM	24	0	22.54	22.65	22.79						
5	HQAM	12	0	21.46	21.47	21.53						
5	HQAM	12	7	21.47	21.63	21.64	22	2				
5	HQAM	12	13	21.44	21.58	21.63						
5	HQAM	25	0	21.41	21.46	21.49						
5	SSBDM	1	0	18.52	18.70	18.65						
5	SSBDM	1	12	18.46	18.58	18.60	19	5				
5	SSBDM	1	24	18.51	18.71	18.69						
5	SSBDM	12	0	18.60	18.60	18.55						
5	SSBDM	12	7	18.50	18.58	18.59						
5	SSBDM	12	13	18.51	18.61	18.56	19	5				
5	SSBDM	25	0	18.57	18.64	18.72						

Band 7_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Timeuse (int, dim)	MPR (dB)				
Channel												
Frequency (MHz)				20650	21100	21550						
20	QPSK	1	0	20.10	20.08	20.06						
20	QPSK	1	48	22.62	22.63	22.78	24	0				
20	QPSK	1	96	22.61	22.62	22.75						
20	QPSK	50	0	22.57	22.70	22.52						
20	QPSK	50	24	21.96	22.05	21.90	23	1				
20	QPSK	50	50	21.92	22.01	21.85						
20	HQAM	1	0	22.08	22.41	22.47						
20	HQAM	1	48	22.20	21.95	22.41	23	1				
20	HQAM	1	96	22.07	21.89	22.25						
20	HQAM	50	0	20.78	20.84	20.96						
20	HQAM	50	24	21.07	20.94	21.10						
20	HQAM	50	50	20.90	21.11	21.15	22	2				
20	HQAM	100	0	20.97	21.00	21.16						
20	HQAM	1	0	20.54	21.16	20.63						
20	HQAM	1	48	21.29	20.87	21.44	22	2				
20	HQAM	1	96	20.83	20.81	21.05						
20	HQAM	50	0	19.97	19.94	20.04						
20	HQAM	50	24	19.95	20.04	20.18						
20	HQAM	50	50	19.96	20.01	20.18	21	3				
20	HQAM	100	0	19.97	19.96	20.14						
20	HQAM	1	0	19.52	19.52	19.71						
20	HQAM	1	48	19.16	19.28	19.10	10	5				
20	HQAM	1	96	18.17	18.22	18.13						
20	HQAM	50	0	18.17	18.27	18.11						
20	HQAM	50	24	18.20	18.28	18.10						
20	HQAM	50	50	18.11	18.23	18.10						
20	HQAM	100	0	18.12	18.14	18.27						
Channel												
Frequency (MHz)				20625	21100	21550	Timeuse (int, dim)	MPR (dB)				
20	QPSK	1	0	20.07	20.05	20.02						
15	QPSK	1	48	22.48	22.49	22.61	24	0				
15	QPSK	1	96	22.63	22.60	22.63						
15	QPSK	50	0	21.98	22.01	21.98						
15	QPSK	50	24	21.97	22.00	22.01	23	1				
15	QPSK	36	0	21.96	22.07	22.08						
15	HQAM	1	0	21.95	22.06	22.07						
15	HQAM	1	0	22.20	22.34	22.42						
15	HQAM	1	37	22.28	22.77	22.27	23	1				
15	HQAM	1	75	22.17	22.17	22.17						
15	HQAM	36	0	20.96	21.01	21.10						
15	HQAM	36	20	20.85	20.86	21.14	22	2				
15	HQAM	36	56	21.02	21.05	21.18						
15	HQAM	75	0	20.97	20.99	21.15						
15	HQAM	1	0	21.18	21.20	21.18						
15	HQAM	1	37	21.08	21.08	21.14	22	2				
15	HQAM	1	74	21.21	20.98	20.97						
15	HQAM	36	0	19.89	19.94	20.05						
15	HQAM	36	20	19.92	19.93	20.05						
15	HQAM	36	56	20.01	20.14	20.07	21	3				
15	HQAM	75	0	19.94	19.97	20.05						
15	HQAM	1	0	18.23	18.18	18.23						
15	256QAM	1	37	18.01	18.20	18.01	10	5				
15	256QAM	1	74	18.05	18.18	17.90						
15	256QAM	36	0	18.01	18.10	18.11						
15	256QAM	36	20	18.07	18.17	18.04	10	5				
15	256QAM	36	56	18.07	18.21	18.08						
15	256QAM	75	0	18.05	18.15	18.05						
Channel												
Frequency (MHz)				20600	21100	21550	Timeuse (int, dim)	MPR (dB)				
10	QPSK	1	0	20.07	20.05	20.02						
10	QPSK	1	26	22.77	22.91	22.94	24	0				
10	QPSK	1	49	22.77	22.84	22.83						
10	QPSK	1	75	22.77	22.84	22.83						
10	QPSK	25	12	22.09	22.09	22.31	23	1				
10	QPSK	25	26	22.10	22.28	22.27						
10	QPSK	25	50	22.10	22.28	22.27						
10	HQAM	1	0	22.39	22.63	22.74						
10	HQAM	1	26	22.48	22.51	22.64	23	1				
10	HQAM	1	49	22.48	22.56	22.64						
10	HQAM	25	0	21.02	21.10	21.30						
10	HQAM	25	12	21.10	21.19	21.30	22	2				
10	HQAM	25	26	21.10	21.20	21.30						
10	HQAM	50	0	21.06	21.11	21.30						
10	HQAM	1	0	21.04	21.59	21.40						
10	HQAM	1	26	21.10	21.20	21.29	22	2				
10	HQAM	1	49	21.24	21.21	21.50						
10	HQAM	25	0	20.03	20.22	20.20						
10	HQAM	25	12	20.03	20.22	20.23	21	3				
10	HQAM	25	26	20.01	20.16	20.16						
10	HQAM	50	0	20.05	20.16	20.22						
10	HQAM	1	0	18.25	18.16	18.25						
10	256QAM	1	26	18.15	18.11	18.18	10	5				
10	256QAM	1	49	18.15	18.19	18.16						
10	256QAM	25	12	18.25	18.15	18.15						
10	256QAM	25	12	18.09	18.26	18.10	10	5				
10	256QAM	25	26	18.07	18.17	18.05						
10	256QAM	50	0	18.09	18.12	18.12						
Channel												
Frequency (MHz)				20575	21100	21550	Timeuse (int, dim)	MPR (dB)				
5	QPSK	1	0	20.07	20.05	20.02						
5	QPSK	1	12	22.77	22.80	22.90	24	0				
5	QPSK	1	24	22.83	22.94	22.81						
5	QPSK	1	37	22.80	22.77	22.81						
5	QPSK	12	7	22.10	22.11	22.30	23	1				
5	QPSK	12	19	22.13	22.22	22.38						
5	QPSK	1	0	22.68	22.67	22.67						
5	HQAM	1	12	22.47	22.68	22.43	23	1				
5	HQAM	1	24	22.67	22.67	22.67						
5	HQAM	12	7	21.07	21.19	21.05						
5	HQAM	12	7	20.30	21.25	20.30	22	2				
5	HQAM	12	19	21.23	21.23	21.23						
5	HQAM	25	0	21.15	21.18	21.18	21	3				
5	HQAM	1	0	21.31	21.46	21.18						
5	HQAM	1	12	21.41	21.41	21.41	22	2				
5	HQAM	1	24	21.28	21.64	21.31						
5	HQAM	12	0	19.92	20.04	20.21						
5	HQAM	12	12	19.92	20.04	20.24	21	3				
5	HQAM	12	13	20.11	20.10	20.18						
5	HQAM	25	0	19.95	20.17	20.10						
5	256QAM	1	12	18.15	18.15	18.15	10	5				
5	256QAM	1	12	18.09	18.12	18.04						
5	256QAM	1	24	18.10	18.09	18.05						
5	256QAM	12	7	18.14	18.24	18.12	10	5				
5	256QAM	12	13	17.98	18.09	18.14						

Band 12_Ant 1												
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
704 707.5 711												
10	QPSK	1	0	22.41	22.42	22.38	24	0				
10	QPSK	1	25	22.35	22.39	22.28						
10	QPSK	1	40	22.25	22.26	22.24						
10	QPSK	25	0	22.39	22.13	21.98						
10	QPSK	25	12	22.08	22.09	21.94	23	1				
10	QPSK	25	25	22.03	22.05	21.87						
10	QPSK	50	0	22.07	22.08	22.00						
10	IQCIAM	1	0	22.07	22.23	22.21						
10	IQCIAM	1	25	22.15	22.38	22.25	23	1				
10	IQCIAM	1	40	22.18	22.01	22.31						
10	IQCIAM	25	0	20.95	20.99	20.97						
10	IQCIAM	25	12	21.17	21.03	21.08						
10	IQCIAM	25	25	21.08	21.10	21.05	22	2				
10	IQCIAM	50	0	21.12	20.95	21.08						
10	IQCIAM	1	0	21.12	21.34	21.51						
10	IQCIAM	1	25	21.39	21.20	21.25						
10	IQCIAM	1	40	20.84	21.30	21.17	22	2				
10	IQCIAM	25	0	19.95	20.97	19.98						
10	IQCIAM	25	12	20.18	20.00	20.10						
10	IQCIAM	25	25	20.03	20.04	20.17						
10	IQCIAM	50	0	20.03	20.00	20.07	21	3				
10	25QCIAM	1	0	18.00	18.12	17.97						
10	25QCIAM	1	25	18.08	18.10	17.95						
10	25QCIAM	1	40	17.95	18.08	17.97						
10	25QCIAM	25	0	17.91	18.00	17.95	19	5				
10	25QCIAM	25	12	17.95	18.05	17.90						
10	25QCIAM	25	25	18.07	18.15	18.05						
10	25QCIAM	50	0	18.02	18.11	18.01						
Channel												
Frequency (MHz)												
701.5 707.5 711.5												
5	QPSK	1	0	22.24	22.18	22.40	24	0				
5	QPSK	1	12	22.39	22.32	22.41						
5	QPSK	1	24	22.33	22.38	22.34						
5	QPSK	12	0	21.91	21.95	21.96						
5	QPSK	12	7	22.07	21.94	22.04	23	1				
5	QPSK	12	13	21.99	21.97	22.02						
5	QPSK	25	0	22.03	21.92	21.97						
5	IQCIAM	1	0	22.15	22.10	22.19						
5	IQCIAM	1	12	22.03	22.03	22.05	23	1				
5	IQCIAM	1	24	22.17	22.31	22.40						
5	IQCIAM	12	0	21.00	21.06	21.01						
5	IQCIAM	12	7	21.23	21.14	21.04						
5	IQCIAM	12	13	21.13	20.96	21.07	22	2				
5	IQCIAM	25	0	21.08	21.13	20.98						
5	IQCIAM	1	24	21.04	21.27	21.04						
5	IQCIAM	1	12	20.97	21.18	21.22						
5	IQCIAM	1	24	21.28	21.13	21.27	22	2				
5	IQCIAM	12	0	18.80	18.95	18.85						
5	IQCIAM	12	7	18.97	18.93	19.04						
5	IQCIAM	12	13	20.13	20.06	20.25						
5	IQCIAM	25	0	19.93	19.99	19.97	21	3				
5	25QCIAM	1	0	17.88	18.07	17.92						
5	25QCIAM	1	12	18.97	18.96	17.93						
5	25QCIAM	1	24	17.83	17.85	17.91						
5	25QCIAM	12	0	17.80	17.85	17.91	19	5				
5	25QCIAM	12	7	17.80	17.85	17.91						
5	25QCIAM	12	13	17.85	18.05	18.07						
5	25QCIAM	25	0	18.00	18.00	17.93						
Channel												
Frequency (MHz)												
709.0 707.5 711.5												
3	QPSK	1	0	22.19	22.22	22.22	24	0				
3	QPSK	1	8	22.33	22.41	22.29						
3	QPSK	1	14	22.29	22.34	22.23						
3	QPSK	8	0	21.97	21.91	21.90						
3	QPSK	8	4	22.03	21.99	22.09	23	1				
3	QPSK	8	7	22.06	22.01	21.94						
3	IQCIAM	1	0	22.00	21.95	21.97						
3	IQCIAM	1	0	22.06	21.92	22.10						
3	IQCIAM	1	8	22.23	22.23	22.10	23	1				
3	IQCIAM	1	14	22.09	22.18	22.33						
3	IQCIAM	8	0	21.13	20.99	21.03						
3	IQCIAM	8	4	21.02	21.11	21.10						
3	IQCIAM	8	7	21.08	21.01	21.02	22	2				
3	IQCIAM	15	0	21.03	20.96	20.97						
3	IQCIAM	1	0	21.40	21.14	21.15						
3	IQCIAM	1	8	21.26	21.13	21.01						
3	IQCIAM	1	14	20.84	21.34	21.26	22	2				
3	IQCIAM	8	0	19.99	19.99	19.79						
3	IQCIAM	8	4	20.03	20.09	20.05						
3	IQCIAM	8	7	19.97	19.94	19.92						
3	25QCIAM	1	0	17.90	18.05	17.85	19	5				
3	25QCIAM	1	0	17.99	17.96	17.91						
3	25QCIAM	14	0	17.85	17.86	17.81						
3	25QCIAM	8	0	17.80	17.85	17.88						
3	25QCIAM	8	4	17.91	17.94	17.76	19	5				
3	25QCIAM	8	7	17.85	18.05	18.00						
3	25QCIAM	15	0	17.94	18.08	17.82						
Channel												
Frequency (MHz)												
709.2 707.5 711.5												
1.4	QPSK	1	0	22.35	22.37	22.26	24	0				
1.4	QPSK	1	3	22.30	22.28	22.22						
1.4	QPSK	1	6	22.12	22.22	22.10						
1.4	QPSK	3	0	22.23	22.04	22.23						
1.4	QPSK	3	1	22.19	22.15	22.16	23	1				
1.4	QPSK	3	1	22.23	22.32	22.18						
1.4	QPSK	6	0	22.01	21.99	21.86						
1.4	IQCIAM	1	0	21.92	22.14	22.08						
1.4	IQCIAM	1	0	22.11	22.29	22.11	23	1				
1.4	IQCIAM	1	5	22.10	21.94	22.20						
1.4	IQCIAM	3	0	21.90	22.02	22.03						
1.4	IQCIAM	3	1	22.06	22.24	22.03						
1.4	IQCIAM	3	3	21.99	21.80	22.10	22	2				
1.4	IQCIAM	6	0	20.97	20.81	21.00						
1.4	IQCIAM	1	0	20.98	21.28	21.37						
1.4	IQCIAM	1	3	21.30	21.09	21.16						
1.4	IQCIAM	1	5	20.73	21.15	21.08	22	2				
1.4	IQCIAM	3	0	20.51	20.67	20.55						
1.4	IQCIAM	3	1	21.29	20.99	21.14						
1.4	IQCIAM	3	1	20.88	21.06	20.95						
1.4	IQCIAM	3	3	19.80	19.85	19.78	21	3				
1.4	25QCIAM	1	0	17.99	18.10	17.83						
1.4	25QCIAM	1	0	18.09	18.07	17.82						
1.4	25QCIAM	1	5	17.85	17.94	17.88						
1.4	25QCIAM	3	0	17.79	17.99	17.88	19	5				
1.4	25QCIAM	3	0	17.85	17.93	17.85						
1.4	25QCIAM	3	3	17.97	18.11	17.99						
1.4	25QCIAM	5	0	17.86	17.98	17.91						

Band 13_Ant 0									
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPR (dB)	
Channel							Tune-up (dB)	MPR (dB)	
Frequency [MHz]									
10	QPSK	1	0	23.35	23.35	23.35	24	0	
10	QPSK	1	25	23.24	23.24	23.24			
10	QPSK	1	40	23.24	23.24	23.24			
10	QPSK	1	55	23.27	23.27	23.27			
10	QPSK	25	12	23.59	23.59	23.59	24	0	
10	QPSK	25	25	23.01	23.01	23.01			
10	QPSK	25	38	23.01	23.01	23.01			
10	QPSK	25	50	23.28	23.28	23.28			
10	QPSK	1	25	23.11	23.11	23.11	23	1	
10	QPSK	1	40	23.30	23.30	23.30			
10	QPSK	25	0	22.59	22.59	22.59			
10	QPSK	25	12	22.44	22.44	22.44			
10	QPSK	25	25	22.44	22.44	22.44	23	1	
10	QPSK	25	38	22.46	22.46	22.46			
10	QPSK	50	0	22.56	22.56	22.56			
10	QPSK	1	0	22.40	22.40	22.40			
10	QPSK	1	0	19.93	19.93	19.93	23	1	
10	QPSK	1	40	22.87	22.87	22.87			
10	QPSK	25	0	21.87	21.87	21.87			
10	QPSK	25	12	21.68	21.68	21.68			
10	QPSK	25	25	21.63	21.63	21.63	22	2	
10	QPSK	25	38	21.57	21.57	21.57			
10	QPSK	50	0	19.90	19.90	19.90			
10	QPSK	1	0	18.85	18.85	18.85			
10	QPSK	1	40	18.85	18.85	18.85	19	5	
10	QPSK	25	0	18.88	18.88	18.88			
10	QPSK	25	12	18.87	18.87	18.87			
10	QPSK	25	25	18.85	18.85	18.85			
10	QPSK	50	0	18.95	18.95	18.95	19	5	
Channel									
Frequency [MHz]									
5	QPSK	1	0	23.35	23.35	23.35			
5	QPSK	1	12	23.04	23.04	23.03			
5	QPSK	1	24	22.91	22.98	22.93			
5	QPSK	1	36	22.91	22.95	22.93			
5	QPSK	12	7	23.06	23.08	23.05	24	0	
5	QPSK	12	19	23.01	23.01	22.99			
5	QPSK	12	31	23.05	23.01	23.01			
5	QPSK	1	0	23.27	23.10	23.31			
5	QPSK	1	12	23.09	23.20	23.14	24	0	
5	QPSK	1	24	22.99	23.02	23.03			
5	QPSK	12	0	22.88	22.82	22.60			
5	QPSK	12	7	22.69	22.74	22.73			
5	QPSK	1	12	22.66	22.68	22.64	23	1	
5	QPSK	25	0	22.81	22.97	22.64			
5	QPSK	1	0	22.80	22.77	22.78			
5	QPSK	12	22	22.81	22.88	22.87			
5	QPSK	1	24	22.73	22.79	22.78	23	1	
5	QPSK	12	0	21.57	21.59	21.58			
5	QPSK	12	12	21.66	21.71	21.68			
5	QPSK	12	18	21.62	21.66	21.65			
5	QPSK	25	0	21.66	21.53	21.62	22	2	
5	QPSK	25	0	18.82	18.88	18.87			
5	QPSK	1	12	18.80	18.84	18.74			
5	QPSK	25	24	18.86	18.80	18.81			
5	QPSK	12	12	18.82	18.82	18.81	19	5	
5	QPSK	12	7	18.92	18.91	18.94			
5	QPSK	12	19	18.80	18.75	18.78			
5	QPSK	12	31	18.80	18.80	18.80			



Band 17_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)			
Channel				23760	23790	23800					
Frequency (MHz)				760	770	780					
10	QPSK	1	0	22.38	22.39	22.39	24	0			
10	QPSK	1	25	22.27	22.32	22.28					
10	QPSK	1	49	22.31	22.29	22.29					
10	QPSK	25	0	22.11	22.14	22.12					
10	QPSK	25	12	22.10	21.98	22.01	23	1			
10	QPSK	25	49	22.00	22.02	22.07					
10	QPSK	50	0	22.01	22.00	22.00					
10	16QAM	1	0	22.06	22.23	22.30					
10	16QAM	1	25	22.29	22.30	22.29	23	1			
10	16QAM	1	49	22.38	22.30	22.34					
10	16QAM	25	0	22.02	21.11	21.04					
10	16QAM	25	0	22.02	21.98	21.98					
10	16QAM	50	0	21.98	21.10	21.11	22	2			
10	16QAM	50	0	21.98	21.08	21.08					
10	16QAM	1	25	21.28	21.09	21.05					
10	16QAM	1	49	21.19	21.23	21.03					
10	16QAM	25	0	20.94	19.99	19.98	21	3			
10	16QAM	25	12	19.99	20.19	19.94					
10	16QAM	25	25	20.15	20.03	19.99					
10	16QAM	50	0	20.08	20.02	19.94					
10	256QAM	1	0	18.17	18.18	18.06	19	5			
10	256QAM	1	25	18.01	18.13	18.05					
10	256QAM	1	49	18.11	18.05	18.12					
10	256QAM	25	0	18.00	18.14	18.04					
10	256QAM	25	12	18.10	18.10	18.11	19	5			
10	256QAM	25	25	18.04	18.17	18.03					
10	256QAM	50	0	18.08	18.20	18.07					
Channel				23765 <th>23790<th>23820</th><td colspan="3"></td></th>	23790 <th>23820</th> <td colspan="3"></td>	23820					
Frequency (MHz)				765 <th>770<th>775</th><td colspan="3"></td></th>	770 <th>775</th> <td colspan="3"></td>	775					
5	QPSK	1	0	22.30	22.18	22.11	24	0			
5	QPSK	1	12	22.30	22.31	22.34					
5	QPSK	1	49	22.18	22.20	22.20					
5	QPSK	12	0	22.00	22.01	21.95					
5	QPSK	12	13	22.11	22.04	22.04	23	1			
5	QPSK	25	0	22.04	21.98	21.98					
5	16QAM	1	0	22.28	22.19	22.01					
5	16QAM	1	12	22.23	22.10	22.09					
5	16QAM	1	24	22.33	22.04	22.03	23	1			
5	16QAM	12	0	21.02	21.02	21.08					
5	16QAM	12	7	21.14	20.97	20.99					
5	16QAM	12	13	21.13	21.09	21.02					
5	16QAM	25	0	20.98	21.04	20.98	22	2			
5	16QAM	25	0	20.92	21.34	20.92					
5	16QAM	1	12	21.33	21.20	21.54					
5	16QAM	1	24	21.04	21.26	20.99					
5	16QAM	1	49	21.00	21.00	21.00	22	2			
5	16QAM	12	7	19.98	20.00	20.10					
5	16QAM	12	13	20.09	19.99	20.00					
5	256QAM	1	0	17.89	18.05	18.00					
5	256QAM	1	24	18.07	18.10	18.10	19	5			
5	256QAM	12	0	17.86	18.13	17.89					
5	256QAM	12	7	18.14	18.06	18.06					
5	256QAM	12	13	17.95	18.09	17.96					

Band 25_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (dBm)	MPE (dB)		
Channel				26140	26340	26550				
Frequency (MHz)				1860	1860	1860				
20	QPSK	1	0	22.30	22.30	22.30	24	0		
20	QPSK	1	49	22.27	22.85	22.76				
20	QPSK	1	99	22.30	22.80	22.69				
20	QPSK	50	0	22.38	22.44	22.32				
20	QPSK	50	24	22.38	22.41	22.32	23	1		
20	QPSK	50	49	22.31	22.35	22.30				
20	QPSK	100	0	22.38	22.39	22.31				
20	16QAM	1	0	22.02	22.04	22.04				
20	16QAM	1	49	22.44	22.38	22.78	23	1		
20	16QAM	1	99	22.37	22.40	22.34				
20	16QAM	50	0	22.09	21.93	22.13				
20	16QAM	50	24	22.08	22.01	22.12				
20	16QAM	100	0	22.09	22.06	22.13	23	1		
20	16QAM	100	0	22.06	22.01	22.21				
20	16QAM	1	49	22.16	22.04	22.13				
20	16QAM	1	99	21.98	22.04	22.30				
20	16QAM	50	24	21.13	21.03	21.10	22	2		
20	16QAM	50	50	20.99	20.96	21.09				
20	16QAM	100	0	21.08	20.98	21.15				
20	256QAM	1	0	18.00	18.20	18.01				
20	256QAM	1	49	18.05	18.05	18.10	19	5		
20	256QAM	1	99	18.05	18.05	18.10				
20	256QAM	50	0	18.00	18.02	18.08				
20	256QAM	50	24	18.02	18.15	18.05				
20	256QAM	100	0	18.00	18.02	18.05	19	5		
20	256QAM	100	0	18.00	18.02	18.05				
20	256QAM	1	99	18.07	18.07	18.05				
20	256QAM	50	24	18.02	18.15	18.05				
Channel				26115	26340	26515	Initial level (dBm)	MPE (dB)		
Frequency (MHz)				1867.5	1867.5	1867.5				
15	QPSK	1	0	22.70	22.58	22.71	24	0		
15	QPSK	1	37	22.68	22.67	22.71				
15	QPSK	1	74	22.69	22.41	22.70				
15	QPSK	36	0	22.43	22.22	22.35				
15	QPSK	36	20	22.38	22.27	22.45	23	1		
15	QPSK	36	37	22.35	22.22	22.33				
15	QPSK	75	0	22.38	22.29	22.45				
15	16QAM	1	0	22.08	22.01	22.01				
15	16QAM	1	37	22.01	22.07	22.03	23	1		
15	16QAM	1	74	22.06	22.49	22.02				
15	16QAM	36	0	22.12	21.97	22.12	23	1		
15	16QAM	36	20	22.12	21.96	22.19				
15	16QAM	75	0	22.11	22.02	22.11				
15	16QAM	75	20	22.10	21.88	22.17				
15	16QAM	1	0	22.22	22.14	22.16	23	1		
15	16QAM	1	37	22.22	22.11	22.13				
15	16QAM	1	74	22.12	21.94	22.11				
15	16QAM	36	0	21.10	20.93	21.10				
15	16QAM	36	20	21.07	20.96	21.09	22	2		
15	16QAM	75	0	21.06	20.93	21.10				
15	16QAM	75	20	21.06	20.97	21.18				
15	256QAM	1	0	18.00	18.20	18.01				
15	256QAM	1	37	18.02	18.05	18.17	19	5		
15	256QAM	1	74	18.05	18.07	18.02				
15	256QAM	36	0	18.00	18.02	18.07				
15	256QAM	36	20	18.02	18.14	18.04				
15	256QAM	75	0	18.00	18.02	18.05	19	5		
15	256QAM	75	20	18.00	18.02	18.05				
15	256QAM	1	99	18.07	18.07	18.05				
15	256QAM	36	20	18.02	18.14	18.04				



Band 26(FCC)_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up rate [dB]	MPE [dB]		
Channel										
Frequency [MHz]				821.5	811.5	841.5				
16	QPSK	1	0	22.55	22.58	22.61	24	0		
16	QPSK	1	37	22.75	22.78	22.80				
16	QPSK	1	74	22.95	22.98	23.00				
16	QPSK	36	0	22.60	22.68	22.75				
16	QPSK	36	20	22.55	22.58	22.59	24	0		
16	QPSK	36	36	22.40	22.43	22.32				
16	QPSK	75	0	22.53	22.57	22.58				
16	16QAM	1	0	22.81	22.88	22.92				
16	16QAM	1	37	22.85	22.95	22.98	24	0		
16	16QAM	1	74	22.99	23.08	23.11				
16	16QAM	36	0	21.82	21.87	21.98				
16	16QAM	36	20	21.84	21.70	21.54				
16	16QAM	36	36	21.79	21.83	21.85	23	1		
16	16QAM	75	0	21.84	21.68	21.51				
16	64QAM	1	0	21.70	21.82	21.89				
16	64QAM	1	37	21.76	21.83	21.78				
16	64QAM	1	74	21.80	21.96	21.93	23	1		
16	64QAM	36	0	20.79	20.87	20.97				
16	64QAM	36	20	20.82	20.87	20.48				
16	64QAM	36	36	20.80	20.82	20.94				
16	256QAM	1	0	18.72	18.75	18.70	19	5		
16	256QAM	1	37	18.72	18.80	18.85				
16	256QAM	1	74	18.80	18.82	18.81				
16	256QAM	36	0	18.67	18.73	18.65				
16	256QAM	36	20	18.79	18.80	18.75	19	5		
16	256QAM	36	36	18.75	18.85	18.70				
16	256QAM	75	0	18.76	18.83	18.78				
Channel										
Frequency [MHz]				816	811.5	844	Turn-up rate [dB]	MPE [dB]		
16	QPSK	1	0	22.78	22.78	22.80	24	0		
16	QPSK	1	25	22.64	22.72	22.88				
16	QPSK	1	49	22.53	22.63	22.81				
16	QPSK	25	0	22.46	22.61	22.44				
16	QPSK	25	12	22.50	22.51	22.37	24	0		
16	QPSK	25	26	22.39	22.37	22.55				
16	QPSK	50	0	22.43	22.53	22.16				
16	16QAM	1	0	22.74	22.83	22.95				
16	16QAM	1	25	22.73	22.71	22.65	24	0		
16	16QAM	1	49	22.50	22.44	22.47				
16	16QAM	25	0	21.89	21.63	21.51				
16	16QAM	25	12	21.73	21.67	21.44				
16	16QAM	25	25	21.76	21.51	21.45	23	1		
16	16QAM	50	0	21.70	21.63	21.42				
16	64QAM	1	0	21.69	21.78	21.66				
16	64QAM	1	25	21.66	21.71	21.68				
16	64QAM	1	49	21.86	21.49	21.98	23	1		
16	64QAM	25	0	20.79	20.80	20.47				
16	64QAM	25	12	20.81	20.54	20.47				
16	64QAM	25	25	20.71	20.59	20.45				
16	256QAM	1	0	18.69	18.72	18.59	19	5		
16	256QAM	1	25	18.66	18.72	18.59				
16	256QAM	1	49	18.74	18.81	18.77				
16	256QAM	25	0	18.52	18.67	18.52				
16	256QAM	25	12	18.67	18.63	18.43	19	5		
16	256QAM	25	25	18.51	18.73	18.66				
16	256QAM	50	0	18.68	18.81	18.67				
Channel										
Frequency [MHz]				816.5	811.5	844.5	Turn-up rate [dB]	MPE [dB]		
5	QPSK	1	0	22.82	22.86	22.81	24	0		
5	QPSK	1	12	22.61	22.67	22.80				
5	QPSK	1	24	22.68	22.83	22.83				
5	QPSK	12	0	22.57	22.66	22.50				
5	QPSK	12	7	22.51	22.47	22.39	24	0		
5	QPSK	12	14	22.38	22.40	22.12				
5	QPSK	25	0	22.52	22.54	22.35				
5	16QAM	1	0	22.74	22.75	22.53				
5	16QAM	1	12	22.71	22.68	22.46	24	0		
5	16QAM	1	24	22.52	22.48	22.44				
5	16QAM	12	0	21.67	21.58	21.56				
5	16QAM	12	7	21.69	21.68	21.52				
5	16QAM	12	13	21.72	21.55	21.46	23	1		
5	16QAM	25	0	21.62	21.66	21.38				
5	64QAM	1	0	21.67	21.78	21.65				
5	64QAM	1	12	21.61	21.76	21.72				
5	64QAM	1	24	21.86	21.42	21.49	23	1		
5	64QAM	12	0	20.64	20.62	20.35				
5	64QAM	12	7	20.72	20.59	20.45				
5	64QAM	12	13	20.69	20.47	20.46				
5	256QAM	1	0	18.69	18.69	18.59	22	2		
5	256QAM	1	12	18.66	18.76	18.54				
5	256QAM	1	24	18.71	18.72	18.68				
5	256QAM	12	0	18.62	18.70	18.56				
5	256QAM	12	7	18.67	18.79	18.66	19	5		
5	256QAM	12	13	18.51	18.73	18.74				
5	256QAM	25	0	18.81	18.75	18.81				
Channel										
Frequency [MHz]				816.5	811.5	844.5	Turn-up rate [dB]	MPE [dB]		
3	QPSK	1	0	22.76	22.78	22.77	24	0		
3	QPSK	1	8	22.63	22.67	22.84				
3	QPSK	1	14	22.65	22.86	22.84				
3	QPSK	8	0	22.49	22.55	22.52				
3	QPSK	8	4	22.52	22.47	22.41	24	0		
3	QPSK	8	7	22.39	22.32	22.34				
3	QPSK	15	0	22.42	22.47	22.17				
3	16QAM	1	0	22.72	22.74	22.52				
3	16QAM	1	8	22.74	22.72	22.54	24	0		
3	16QAM	1	14	22.56	22.43	22.36				
3	16QAM	8	0	21.79	21.61	21.53				
3	16QAM	8	4	21.74	21.68	21.47				
3	16QAM	8	7	21.63	21.56	21.52	23	1		
3	16QAM	15	0	21.79	21.66	21.43				
3	64QAM	1	0	21.63	21.62	21.67				
3	64QAM	1	8	21.72	21.70	21.70				
3	64QAM	1	14	21.68	21.52	21.46	23	1		
3	64QAM	8	0	20.73	20.68	20.55				
3	64QAM	8	4	20.68	20.65	20.39				
3	64QAM	8	7	20.76	20.57	20.41				
3	64QAM	15	0	20.79	20.64	20.42	22	2		
3	256QAM	1	0	18.72	18.74	18.61				
3	256QAM	1	8	18.68	18.70	18.50				
3	256QAM	1	14	18.68	18.67	18.65				
3	256QAM	8	0	18.69	18.65	18.53	19	5		
3	256QAM	8	4	18.55	18.77	18.63				
3	256QAM	8	7	18.61	18.75	18.71				
3	256QAM	15	0	18.74	18.73	18.65				
Channel										
Frequency [MHz]				814.7	811.5	843.3	Turn-up rate [dB]	MPE [dB]		
1.4	QPSK	1	0	22.59	22.52	22.27	24	0		
1.4	QPSK	1	3	22.63	22.55	22.28				
1.4	QPSK	1	5	22.64	22.50	22.30				
1.4	QPSK	3	0	22.67	22.52	22.35				
1.4	QPSK	3	1	22.83	22.52	22.31	24	0		
1.4	QPSK	3	3	22.71	22.59	22.36				
1.4	QPSK	3	5	22.72	22.43	22.32				
1.4	16QAM	1	0	22.78	22.80	22.84				
1.4	16QAM	1	3	22.82	22.72	22.55	24	0		
1.4	16QAM	1	5	22.82	22.76	22.61				
1.4	16QAM	3	0	22.79	22.69	22.60				
1.4	16QAM	3	1	22.88	22.75	22.31				
1.4	16QAM	3	3	22.79	22.48	22.48	23	1		
1.4	16QAM	6	0	22.09	21.72	21.73				
1.4	16QAM	6	1	21.83	21.97	21.94				
1.4	16QAM	6	3	21.98	21.68	21.24				
1.4	16QAM	1	6	22.16	21.68	21.61	23	1		
1.4	16QAM	3	6	22.14	21.70	21.60				
1.4	16QAM	3	9	22.05	21.76	21.69				
1.4	16QAM	3	11	22.01	21.93	21.81				
1.4	256QAM	1	0	18.71	18.70	18.68	22	2		
1.4	256QAM	1	3	18.67	18.65	18.55				
1.4	256QAM	1	5	18.77	18.72	18.67				
1.4	256QAM	3	0	18.59	18.61	18.54				
1.4	256QAM	3	1	18.72	18.78	18.58	19	5		
1.4	256QAM	3	3	18.75	18.74	18.78				
1.4	256QAM	6	0	18.73	18.75	18.72				

Band 66_Ant 1												
WV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power High Ch. 1/Freq.	Power High Ch. 2/Freq.	Time-use limit (sec)	MRR (dB)				
Channel												
Frequency (MHz)												
				130272	150232	150272						
20	QPSK	1	0	22.35	22.41	22.36	24	0				
20	QPSK	1	40	22.31	22.34	22.35						
20	QPSK	1	80	22.32	22.33	22.33						
20	QPSK	50	24	21.81	21.87	21.89						
20	QPSK	50	48	21.80	21.91	21.82	23	1				
20	QPSK	50	72	21.82	21.91	21.82						
20	HQAM	1	0	22.08	22.08	22.14						
20	HQAM	1	40	22.10	22.10	22.10						
20	HQAM	50	0	20.98	20.83	20.84	22	2				
20	HQAM	50	24	20.98	20.82	20.83						
20	HQAM	50	48	20.91	20.86	20.81						
20	HQAM	100	0	20.96	20.78	20.85						
20	HQAM	1	40	20.97	20.94	20.96	22	2				
20	HQAM	1	80	20.96	20.87	21.05						
20	HQAM	50	24	19.97	19.85	19.83						
20	HQAM	50	48	19.94	19.92	19.87						
20	HQAM	50	72	19.94	19.86	19.80	21	3				
20	HQAM	50	96	19.90	19.88	19.80						
20	HQAM	100	0	18.05	18.05	18.20						
20	HQAM	100	24	18.07	18.11	18.15						
20	HQAM	1	40	18.07	18.11	18.15	19	5				
20	HQAM	50	0	18.08	18.11	18.15						
20	HQAM	50	24	18.19	18.17	18.22						
20	HQAM	50	48	18.24	18.13	18.26						
20	HQAM	100	0	18.18	18.20	18.21	19	5				
Channel												
Frequency (MHz)												
				132047	150232	150267						
15	QPSK	1	0	22.23	22.14	22.19	24	0				
15	QPSK	1	37	22.11	22.18	22.03						
15	QPSK	1	74	22.12	22.08	22.13						
15	QPSK	36	20	21.80	21.72	21.81						
15	QPSK	36	39	21.72	21.74	21.68	23	1				
15	QPSK	75	0	21.74	21.67	21.50						
15	HQAM	1	0	21.82	21.83	21.82						
15	HQAM	1	37	22.01	21.91	21.88						
15	HQAM	1	74	21.87	21.73	21.82	23	1				
15	HQAM	36	0	20.70	20.68	20.59						
15	HQAM	36	20	20.80	20.87	20.69						
15	HQAM	36	39	20.65	20.83	20.59						
15	HQAM	75	0	20.66	20.64	20.49	22	2				
15	HQAM	1	0	20.82	21.00	20.91						
15	HQAM	1	37	20.80	20.71	20.74						
15	HQAM	1	74	20.80	20.86	20.82						
15	HQAM	1	80	19.87	19.85	19.80	22	2				
15	HQAM	36	20	19.76	19.59	19.56						
15	HQAM	36	39	19.74	19.54	19.72						
15	HQAM	75	0	19.68	19.65	19.61						
15	HQAM	1	0	17.82	17.88	17.77	21	3				
15	HQAM	1	37	17.83	17.89	17.82						
15	HQAM	1	74	18.04	18.00	17.98						
15	HQAM	36	0	17.84	17.81	17.91						
15	HQAM	36	20	18.01	17.98	18.01	19	5				
15	HQAM	36	39	17.94	17.86	17.93						
15	HQAM	75	0	17.87	18.03	18.01						
Channel												
Frequency (MHz)												
				150222	150232	150267						
10	QPSK	1	0	22.23	22.22	22.17				24	0	
10	QPSK	1	25	22.04	22.10	22.08						
10	QPSK	1	49	22.03	22.08	22.08						
10	QPSK	25	0	21.74	21.09	21.54						
10	QPSK	25	12	21.72	21.61	21.66	23	1				
10	QPSK	25	24	21.61	21.62	21.61						
10	QPSK	50	0	21.63	21.87	21.48						
10	HQAM	1	0	21.84	21.80	21.81						
10	HQAM	1	25	21.89	21.84	21.81	23	1				
10	HQAM	1	49	21.90	21.80	21.86						
10	HQAM	25	0	20.80	20.60	20.53						
10	HQAM	25	12	20.74	20.69	20.57						
10	HQAM	25	24	20.67	20.84	20.68	22	2				
10	HQAM	50	0	20.67	20.69	20.59						
10	HQAM	1	0	20.79	21.02	20.93						
10	HQAM	1	25	20.73	20.77	20.77						
10	HQAM	1	49	20.69	20.80	20.71	22	2				
10	HQAM	25	0	19.81	19.87	19.87						
10	HQAM	25	12	19.74	19.62	19.56						
10	HQAM	25	24	19.63	19.62	19.61						
10	HQAM	50	0	19.68	19.59	19.57	21	3				
10	HQAM	50	0	17.88	17.89	17.77						
10	HQAM	1	0	17.88	17.89	17.82						
10	HQAM	1	25	17.96	17.87	17.83						
10	HQAM	25	0	17.92	17.89	17.91	19	5				
10	HQAM	25	12	17.94	17.84	17.92						
10	HQAM	25	24	17.94	18.05	17.95						
10	HQAM	50	0	17.91	17.89	17.90						
Channel												
Frequency (MHz)												
				150222	150232	150267						
5	QPSK	1	0	22.19	22.14	22.15	24	0				
5	QPSK	1	12	22.14	22.18	22.03						
5	QPSK	1	24	22.08	22.04	22.16						
5	QPSK	12	0	21.70	21.05	21.55						
5	QPSK	12	7	21.78	21.65	21.60	23	1				
5	QPSK	12	13	21.74	21.63	21.61						
5	QPSK	25	0	21.70	21.64	21.53						
5	HQAM	1	0	21.85	21.89	21.87						
5	HQAM	1	12	21.85	21.81	21.83	23	1				
5	HQAM	1	24	21.83	21.79	21.83						
5	HQAM	12	0	20.69	20.61	20.62						
5	HQAM	12	7	20.77	20.72	20.67						
5	HQAM	12	13	20.69	20.82	20.65	22	2				
5	HQAM	25	0	20.76	20.66	20.57						
5	HQAM	1	0	20.77	20.69	20.80						
5	HQAM	1	12	20.70	20.76	20.69						
5	HQAM	1	24	20.72	20.84	20.66	22	2				
5	HQAM	12	0	19.76	19.69	19.56						
5	HQAM	12	7	19.69	19.66	19.53						
5	HQAM	12	13	19.68	19.51	19.62						
5	HQAM	25	0	19.62	19.69	19.54	21	3				
5	HQAM	25	0	17.81	17.87	17.87						
5	HQAM	1	0	17.74	17.81	17.81						
5	HQAM	1	24	18.04	18.04	17.95						
5	HQAM	12	0	17.78	17.89	17.92	19	5				
5	HQAM	12	7	17.87	17.84	17.84						
5	HQAM	12	13	18.01	17.99	17.84						
5	HQAM	25	0	17.99	18.01	18.04						
Channel												
Frequency (MHz)												
				151975	152252	152265						
3	QPSK	1	0	22.17	22.12	22.12	24	0				
3	QPSK	1	8	22.11								
3	QPSK	1	16	22.12	22.18	22.03						
3	QPSK	8	0	21.71	21.06	21.54						
3	QPSK	8	7	21.85	21.57	21.59	23	1				
3	QPSK	8	14	21.87	21.57	21.59						
3	HQAM	1	0	21.82	21.84	21.83						
3	HQAM	1	8	22.02	21.84	21.88						
3	HQAM	8	0	20.72	20.64	20.57	23	1				
3	HQAM	8	4	20.80	20.87	20.59						
3	HQAM	8	8	20.69	20.53	20.69						
3	HQAM	16	0	20.66	20.50	20.51						
3	HQAM	1	0	20.77	21.02	21.01	22	2				
3	HQAM	1	8	20.75	20.56	20.67						
3	HQAM	8	0	19.76	19.56	19.67						
3	HQAM	8	4	19.67	19.65	19.69						
3	HQAM	8	7	19.65	19.61	19.70	21	3				
3	HQAM	16	0	19.73	19.61	19.70						
3	HQAM	1	16	17.92	17.98	17.83						
3	HQAM	1	24	18.04	18.04	17.95						
3	HQAM	8	0	17.96	17.88	17.87	19	5				
3	HQAM	8	4	17.96	17.86	17.88						
3	HQAM	8	7	18.01	17.97	17.91						
3	HQAM	16	0	17.96	17.89	17.88						
Channel												
Frequency (MHz)												
				1717.5	17445	17445						
14	QPSK	1	0	22.22	22.12	22.12	24	0				
14	QPSK	1	8	22.18								
14	QPSK	1	16	22.19	22.14	22.06						
14	QPSK	8	0	21.70	21.05	21.54						
14	QPSK	8	7	22.06	21.70	22.05	23	1				
14	QPSK	8	14	22.16	22.16	22.10						
14	QPSK	16	0	21.72	21.07	21.53						
14	HQAM	1	0	21.71	21.67	21.67						
14	HQAM	1	8	21.81	21.59	21.69	23	1				
14	HQAM	1	16	21.83	21.61	21.73						
14	HQAM	8	0	21.78	21.61	21.56						
14	HQAM	8	4	20.75	20.57	20.58						
14	HQAM	8	7	20.72	20.69	20.64	22	2				
14	HQAM	16	0	20.70	20.59	20.55						
14	HQAM	1	0	20.72	20.72	20.62						
14	HQAM	1	8	20.69	20.69	20.56						
14	HQAM	8	0	19.76	19.63	19.56	21	3				
14	HQAM	8	7	19.77	19.73	19.73						
14	HQAM	1	0	17.86	17.86	17.87						
14	HQAM	1	8	18.05	18.04	17.91						
14	HQAM	8	0	17.95	17.86	17.87	19	5				
14	HQAM	8	4	17.95	18.05	17.88						
14	HQAM	16	0	17.96	18.05	17.88						
14	HQAM	1	0	17.96	18.05	17.88						



Band 38_Ant 2									
RV [MHz]	Modulation	RS Size	RS Offset	Power Line Ch / Freq.	Power Line Ch / Freq.	Power High Ch / Freq.	Turnup Int. (dB)	MFR (dB)	
Channel				37865	38000	38150			
Frequency (MHz)				27600	28000	28500			
20	QPSK	1	5	22.88	22.95	22.96			
20	QPSK	1	49	22.85	22.84	22.79		24	0
20	QPSK	1	96	22.82	22.78	22.74			
20	QPSK	50	5	22.84	22.88	22.75			
20	QPSK	50	24	22.78	22.71	22.71		24	0
20	QPSK	50	50	22.87	22.87	22.88			
20	QPSK	100	5	22.72	22.75	22.65			
20	16QAM	1	5	22.82	22.85	22.85		24	0
20	16QAM	1	49	22.78	22.75	22.65			
20	16QAM	1	99	22.74	22.65	22.66			
20	16QAM	50	5	22.81	22.49	22.37			
20	16QAM	50	24	22.54	21.45	21.35			
20	16QAM	50	50	22.56	22.50	22.35		23	1
20	16QAM	100	5	22.54	22.42	22.35			
20	64QAM	1	49	22.82	22.61	22.55		23	1
20	64QAM	1	99	22.57	22.44	22.35			
20	64QAM	50	5	21.57	21.49	21.35			
20	64QAM	50	24	21.56	21.41	21.40			
20	64QAM	50	50	21.56	21.46	21.25		22	2
20	256QAM	1	5	19.17	19.30	19.20			
20	256QAM	1	49	19.34	19.40	19.26		21	3
20	256QAM	1	99	19.32	19.35	19.15			
20	256QAM	50	5	19.15	19.28	19.17			
20	256QAM	50	24	19.18	19.35	19.25		21	3
20	256QAM	100	5	19.28	19.38	19.32			
Channel				37825	38000	38175			
Frequency (MHz)				27600	28000	28500			
18	QPSK	1	5	22.74	22.75	22.58			
18	QPSK	1	37	22.75	22.81	22.75		24	0
18	QPSK	1	74	22.73	22.72	22.63			
18	QPSK	36	5	22.79	22.68	22.51			
18	QPSK	36	20	22.65	22.65	22.68		24	0
18	QPSK	36	36	22.54	22.62	22.66			
18	QPSK	75	5	22.73	22.68	22.62			
18	16QAM	1	5	22.70	22.52	22.63		24	0
18	16QAM	1	37	22.65	22.65	22.62			
18	16QAM	1	74	22.71	22.54	22.59			
18	16QAM	36	5	22.55	22.44	22.30			
18	16QAM	36	20	22.44	22.38	22.35		23	1
18	16QAM	36	36	22.52	22.44	22.21			
18	16QAM	75	5	22.51	22.27	22.26			
18	64QAM	1	37	22.48	22.32	22.37		23	1
18	64QAM	1	74	22.46	22.35	22.35			
18	64QAM	36	5	21.45	21.38	21.35			
18	64QAM	36	20	21.45	21.27	21.31		22	2
18	64QAM	36	36	21.44	21.43	21.14			
18	64QAM	75	5	21.38	21.35	21.30		21	3
18	256QAM	1	5	19.06	19.25	19.14			
18	256QAM	1	37	19.21	19.33	19.24		21	3
18	256QAM	1	74	19.18	19.28	19.15			
18	256QAM	36	5	19.09	19.15	19.14			
18	256QAM	36	20	19.06	19.22	19.10		21	3
18	256QAM	75	5	19.20	19.25	19.17			
Channel				37860	38000	38200			
Frequency (MHz)				27600	28000	28500			
10	QPSK	1	5	22.74	22.73	22.59			
10	QPSK	1	25	22.79	22.83	22.75		24	0
10	QPSK	1	49	22.87	22.85	22.87			
10	QPSK	25	5	22.80	22.74	22.64			
10	QPSK	25	12	22.75	22.58	22.48		24	0
10	QPSK	25	24	22.66	22.66	22.48			
10	QPSK	50	5	22.71	22.67	22.58			
10	16QAM	1	5	22.81	22.87	22.64		24	0
10	16QAM	1	49	22.75	22.65	22.65			
10	16QAM	1	99	22.71	22.61	22.60			
10	16QAM	25	5	22.57	22.49	22.30			
10	16QAM	25	12	22.43	22.34	22.32			
10	16QAM	25	24	22.54	22.49	22.20		23	1
10	16QAM	50	5	22.54	22.50	22.37			
10	16QAM	100	5	22.73	22.51	22.63		24	0
10	16QAM	1	5	22.65	22.71	22.64			
10	16QAM	1	24	22.69	22.51	22.63			
10	16QAM	12	5	22.56	22.48	22.36			
10	16QAM	12	7	22.45	22.45	22.38			
10	16QAM	12	13	22.46	22.42	22.23		23	1
10	16QAM	25	5	22.51	22.38	22.42			
10	16QAM	25	12	22.53	22.38	22.12			
10	64QAM	1	12	22.55	22.55	22.47		23	1
10	64QAM	1	24	22.44	22.37	22.21			
10	64QAM	12	5	21.53	21.42	21.38			
10	64QAM	12	7	21.50	21.32	21.31		22	2
10	64QAM	12	13	21.52	21.30	21.38			
10	64QAM	25	5	21.47	21.31	21.35			
10	256QAM	1	5	19.09	19.16	19.09			
10	256QAM	1	12	19.21	19.31	19.20		21	3
10	256QAM	1	24	19.14	19.22	19.05			
10	256QAM	12	5	19.07	19.19	19.15			
10	256QAM	12	7	19.26	19.32	19.16		21	3
10	256QAM	12	13	19.17	19.32	19.12			
10	256QAM	25	5	19.27	19.31	19.24			

Band 38_Ant 1									
RV [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turnup Int. (dB)	MFR (dB)	
Channel				37860	38000	38150			
Frequency (MHz)				23.00	23.05	22.95			
20	QPSK	1	5	23.00	23.05	22.95			
20	QPSK	1	49	22.90	22.82	22.80		24	0
20	QPSK	50	5	23.02	22.75	22.55			
20	QPSK	50	24	22.71	22.52	22.52		23	1
20	QPSK	50	24	22.69	22.56	22.46			
20	QPSK	50	24	22.49	22.54	22.54		23	1
20	16QAM	1	5	22.82	22.80	22.87			
20	16QAM	1	49	22.78	22.82	22.78		24	0
20	16QAM	1	96	22.86	22.82	22.68			
20	16QAM	50	5	21.76	21.62	21.46			
20	16QAM	50	24	21.63	21.43	21.43		22	2
20	16QAM	50	50	21.74	21.55	21.55			
20	16QAM	100	8	21.70	21.54	21.52			
20	16QAM	100	24	21.54	21.43	21.43		22	2
20	16QAM	1	49	21.85	21.81	21.61			
20	16QAM	1	99	21.81	21.66	21.60			
20	16QAM	50	24	20.59	20.55	20.55		21	3
20	16QAM	50	24	20.59	20.55	20.45			
20	256QAM	1	5	20.51	20.51	20.51			
20	256QAM	1	0	18.12	18.15	18.15			
20	256QAM	1	49	18.25	18.30	18.25		19	5
20	256QAM	1	96	18.27	18.32	18.17			
20	256QAM	50	5	18.26	18.32	18.26			
20	256QAM	50	24	18.25	18.35	18.20		19	5
20	256QAM	50	24	18.27	18.33	18.13			
20	256QAM	100	8	18.32	18.33	18.25			
Channel				37860	38000	38175	Turnup Int. (dB)	MFR (dB)	
Frequency (MHz)				22.96	22.94	22.96			
15	QPSK	1	5	22.96 <td>22.94<td>22.96</td><td></td><td></td><td></td></td>	22.94 <td>22.96</td> <td></td> <td></td> <td></td>	22.96			
15	QPSK	1	37	22.87	22.87	22.87		24	0
15	QPSK	1	74	22.86	22.83	22.77			
15	QPSK	1	111	22.72	22.54	22.54		24	0
15	QPSK	38	20	22.62	22.38	22.40			
15	QPSK	38	20	22.61	22.44	22.40			
15	QPSK	38	20	22.49	22.48	22.32		23	1
15	16QAM	1	5	22.81	22.65	22.53			
15	16QAM	1	49	22.78	22.62	22.53		23	1
15	16QAM	1	74	22.64	22.73	22.60			
15	16QAM	38	5	21.89	21.55	21.46			
15	16QAM	38	20	21.45	21.50	21.45		22	2
15	16QAM	38	39	21.73	21.54	21.43			
15	16QAM	75	0	21.85	21.44	21.41			
15	16QAM	75	0	21.84	21.40	21.40		22	2
15	16QAM	1	37	21.79	21.75	21.52			
15	16QAM	1	74	21.78	21.64	21.48			
15	16QAM	38	20	20.59	20.51	20.48		21	3
15	16QAM	38	20	20.59	20.51	20.45			
15	16QAM	38	39	20.64	20.41	20.34			
15	256QAM	1	0	17.99	18.24	18.24			
15	256QAM	1	37	18.24	18.26	18.22			
15	256QAM	1	74	18.25	18.27	18.15		19	5
15	256QAM	36	0	18.22	18.22	18.18			
15	256QAM	38	20	18.20	18.22	18.19			
15	256QAM	38	20	18.25	18.18	18.18		19	5
15	256QAM	75	0	18.16	18.30	18.20			
Channel				37860	38000	38200	Turnup Int. (dB)	MFR (dB)	
Frequency (MHz)				22.92	22.88	22.90			
10	QPSK	1	26	22.87	22.81	22.87			
10	QPSK	1	49	22.85	22.87	22.91		24	0
10	QPSK	25	12	22.87	22.87	22.87			
10	QPSK	25	12	22.67	22.48	22.48		23	1
10	QPSK	25	12	22.67	22.48	22.40			
10	16QAM	1	5	22.77	22.68	22.54			
10	16QAM	1	49	22.73	22.68	22.68		23	1
10	16QAM	1	49	22.64	22.75	22.62			
10	16QAM	25	5	21.84	21.48	21.33			
10	16QAM	25	12	21.83	21.47	21.47		22	2
10	16QAM	25	12	21.82	21.40	21.40			
10	16QAM	50	0	21.81	21.43	21.48			
10	16QAM	50	12	21.83	21.48	21.51		21	3
10	16QAM	1	26	21.80	21.77	21.45			
10	16QAM	1	49	21.71	21.61	21.54			
10	16QAM	25	12	20.55	20.40	20.40		21	3
10	16QAM	25	12	20.54	20.46	20.34			
10	256QAM	1	0	17.97	18.07	18.07			
10	256QAM	1	0	17.97	18.07	18.07			
10	256QAM	1	26	18.18	18.18	18.14		19	5
10	256QAM	25	0	18.17	18.29	18.24			
10	256QAM	25	0	18.17	18.29	18.14			
10	256QAM	25	12	18.10	18.33	18.25		19	5
10	256QAM	25	12	18.12	18.34	18.21			
10	256QAM	50	0	18.21	18.20	18.01			
Channel				37775	38000	38225	Turnup Int. (dB)	MFR (dB)	
Frequency (MHz)				22.97 <th>22.99<th>22.96</th><th></th><th></th><th></th></th>	22.99 <th>22.96</th> <th></th> <th></th> <th></th>	22.96			
5	QPSK	1	12	22.96	22.88	22.85		24	0
5	QPSK	1	24	22.94	22.87	22.87			
5	QPSK	12	24	22.87	22.87	22.87			
5	QPSK	12	7	22.69	22.42	22.44			
5	16QAM	1	12	22.57	22.48	22.37			
5	16QAM	25	24	22.54	22.44	22.40		23	1
5	16QAM	1	0	22.77	22.72	22.66			
5	16QAM	1	24	22.82	22.81	22.63		23	1
5	16QAM	12	0	21.63	21.55	21.47			
5	16QAM	12	12	21.63	21.55	21.43		22	2
5	16QAM	12	13	21.69	21.47	21.40			
5	16QAM	25	0	21.69	21.44	21.49			
5	16QAM	25	12	21.65	21.59	21.59		21	3
5	16QAM	1	12	21.79	21.68	21.61		22	2
5	16QAM	1	24	21.67	21.85	21.52			
5	16QAM	12	7	20.65	20.45	20.38			
5	16QAM	12	7	20.65	20.45	20.50			
5	16QAM	12	13	20.61	20.51	20.40			
5	16QAM	25	13	20.63	20.40	20.37			
5	256QAM	1	0	17.97	18.01	18.00			
5	256QAM	1	12	18.13	18.15	18.23			
5	256QAM	12	0	18.13	18.15	18.07			
5	256QAM	12	0	18.15	18.20	18.15			
5	256QAM	12	7	18.24	18.28	18.14		19	5
5	256QAM	12	13	18.21	18.30	18.21			
5	256QAM	25	0	18.20	18.22	18.17			

Band 41_Ant 1															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	MPE (dB)					
Channel															
Frequency (MHz)				39750	40165	40600	41065	41500							
				2555	26015	26450	26915	27350							
20	QPSK	1	0	23.25	23.24	23.25	23.23	23.15	24	0					
20	QPSK	1	49	23.20	23.21	23.27	23.18	23.08							
20	QPSK	1	98	23.12	23.17	23.30	23.20	23.02							
20	QPSK	50	0	23.48	23.47	23.51	23.41	23.43							
20	QPSK	50	24	22.41	22.45	22.51	22.38	22.37							
20	QPSK	50	50	22.46	22.48	22.48	22.40	22.32	23	1					
20	QPSK	100	0	22.54	22.44	22.58	22.50	22.40							
20	16QAM	1	0	22.40	22.40	22.51	22.41	22.39							
20	16QAM	1	49	22.45	22.45	22.50	22.45	22.35							
20	16QAM	1	98	22.43	22.46	22.58	22.42	22.32							
20	16QAM	50	0	21.64	21.71	21.78	21.63	21.42	22	2					
20	16QAM	50	24	21.72	21.70	21.61	21.68	21.40							
20	16QAM	50	50	21.67	21.76	21.72	21.70	21.35							
20	16QAM	100	0	21.68	21.72	21.61	21.68	21.39							
20	16QAM	1	0	21.70	21.78	21.72	21.71	21.59							
20	64QAM	1	49	21.69	21.68	21.79	21.75	21.49	22	2					
20	64QAM	1	99	21.77	21.83	21.80	21.71	21.50							
20	64QAM	50	0	20.87	20.94	20.92	20.84	20.50							
20	64QAM	50	24	20.83	20.85	20.84	20.84	20.52							
20	64QAM	50	50	20.89	20.84	20.86	20.81	20.48							
20	256QAM	1	0	19.83	20.86	20.93	20.80	20.48	21	3					
20	256QAM	1	0	19.26	19.30	19.35	19.31	19.30							
20	256QAM	1	49	18.43	18.33	18.47	18.41	18.32							
20	256QAM	1	99	18.25	18.28	18.35	18.31	18.30							
20	256QAM	50	0	19.27	18.31	18.33	18.27	18.29							
20	256QAM	50	24	19.40	18.39	18.45	18.39	18.32	19	5					
20	256QAM	50	50	18.38	18.42	18.31	18.34	18.34							
20	256QAM	100	0	18.33	18.66	20.93	20.80	20.48							
Channel															
Frequency (MHz)				39725	40140	40560	41075	41510	Turn-up Init (dB)				MPE (dB)		
				2555.5	26015	26430	26945	27370							
15	QPSK	1	0	22.49	22.51	22.59	22.51	22.34	24	0					
15	QPSK	1	37	22.38	22.46	22.44	22.43	22.30							
15	QPSK	1	74	22.31	22.43	22.48	22.41	22.30							
15	QPSK	36	0	22.36	22.30	22.37	22.50	22.41							
15	QPSK	36	20	22.40	22.34	22.50	22.27	22.20							
15	QPSK	36	40	22.31	22.29	22.39	22.31	22.25	23	1					
15	QPSK	75	0	22.50	22.42	22.63	22.49	22.29							
15	16QAM	1	0	22.27	22.37	22.46	22.27	22.36							
15	16QAM	1	37	22.40	22.32	22.50	22.37	22.12							
15	16QAM	1	74	22.30	22.36	22.50	22.38	22.18							
15	16QAM	36	0	21.63	21.63	21.47	21.52	21.27	22	2					
15	16QAM	36	20	21.59	21.70	21.66	21.69	21.39							
15	16QAM	36	39	21.57	21.73	21.68	21.65	21.21							
15	16QAM	75	0	21.57	21.58	21.59	21.59	21.36							
15	16QAM	75	0	21.63	21.77	21.70	21.68	21.43							
15	64QAM	1	37	21.64	21.78	21.68	21.72	21.47	22	2					
15	64QAM	1	74	21.67	21.75	21.66	21.60	21.49							
15	64QAM	36	0	20.43	20.56	20.43	20.53	20.35							
15	64QAM	36	20	20.50	20.55	20.53	20.62	20.49							
15	64QAM	36	39	20.50	20.49	20.58	20.49	20.36							
15	256QAM	1	0	19.50	20.61	20.48	20.54	20.34	21	3					
15	256QAM	1	0	19.14	19.18	19.21	19.19	19.22							
15	256QAM	1	37	18.29	18.19	18.42	18.35	18.18							
15	256QAM	1	74	18.14	18.13	18.25	18.21	18.28							
15	256QAM	36	0	19.15	18.28	18.25	18.20	18.20							
15	256QAM	36	20	18.33	18.34	18.31	18.26	18.20	19	5					
15	256QAM	36	39	18.35	18.14	18.35	18.30	18.20							
15	256QAM	75	0	18.38	18.28	18.37	18.38	18.19							
Channel															
Frequency (MHz)				39700	40160	40580	41095	41530	Turn-up Init (dB)				MPE (dB)		
				2560	26015	26430	26945	27370							
10	QPSK	1	0	22.42	22.30	22.64	22.45	22.37	24	0					
10	QPSK	1	25	22.49	22.37	22.48	22.40	22.37							
10	QPSK	1	49	22.41	22.48	22.45	22.41	22.35							
10	QPSK	25	0	22.38	22.40	22.38	22.44	22.40							
10	QPSK	25	12	22.40	22.46	22.50	22.29	22.23							
10	QPSK	25	25	22.40	22.33	22.39	22.31	22.25	23	1					
10	QPSK	50	0	22.48	22.43	22.41	22.49	22.33							
10	16QAM	1	0	22.35	22.34	22.38	22.30	22.24							
10	16QAM	1	25	22.43	22.37	22.50	22.37	22.12							
10	16QAM	1	49	22.40	22.44	22.48	22.35	22.26							
10	16QAM	25	0	21.54	21.56	21.63	21.62	21.28	22	2					
10	16QAM	25	12	21.60	21.70	21.48	21.58	21.29							
10	16QAM	25	25	21.64	21.63	21.63	21.64	21.52							
10	16QAM	50	0	21.63	21.67	21.69	21.60	21.33							
10	64QAM	1	0	21.68	21.64	21.61	21.69	21.54							
10	64QAM	1	25	21.63	21.63	21.78	21.63	21.45	22	2					
10	64QAM	1	49	21.75	21.77	21.77	21.84	21.48							
10	64QAM	25	0	20.56	20.60	20.44	20.48	20.44							
10	64QAM	25	12	20.62	20.60	20.49	20.56	20.44							
10	64QAM	25	25	20.57	20.54	20.57	20.60	20.43							
10	256QAM	1	0	19.56	20.56	20.52	20.51	20.42	21	3					
10	256QAM	1	0	19.20	19.26	19.29	19.19	19.19							
10	256QAM	1	25	19.28	19.32	19.41	19.36	19.29							
10	256QAM	1	49	19.32	19.17	19.25	19.17	19.27							
10	256QAM	25	0	19.17	19.08	19.19	19.25	19.26							
10	256QAM	25	12	19.34	19.31	19.27	19.33	19.27	19	5					
10	256QAM	25	25	19.32	19.15	19.20	19.25	19.24							
10	256QAM	50	0	19.20	19.32	19.41	19.30	19.25							
Channel															
Frequency (MHz)				39675	40140	40560	41075	41510	Turn-up Init (dB)				MPE (dB)		
				2555.5	26015	26430	26945	27370							
5	QPSK	1	0	22.47	22.45	22.58	22.51	22.34	24	0					
5	QPSK	1	38	22.44	22.48	22.48	22.44	22.31							
5	QPSK	1	42	22.43	22.41	22.49	22.37	22.21							
5	QPSK	1	24	22.54	22.44	22.41	22.44	22.31							
5	QPSK	12	0	22.44	22.41	22.49	22.37	22.21							
5	QPSK	12	18	22.34	22.38	22.43	22.27	22.11	23	1					
5	QPSK	25	0	22.47	22.40	22.48	22.41	22.37							
5	16QAM	1	0	22.34	22.30	22.46	22.30	22.23							
5	16QAM	1	12	22.43	22.36	22.38	22.37	22.34							
5	16QAM	1	24	22.45	22.40	22.46	22.35	22.30							
5	16QAM	12	7	21.58	21.59	21.63	21.53	21.29	22	2					
5	16QAM	12	7	21.58	21.66	21.60	21.58	21.38							
5	16QAM	25	0	21.67	21.67	21.68	21.67	21.50							
5	16QAM	25	0	21.70	21.63	21.69	21.68	21.52							
5	16QAM	25	12	21.73	21.77	21.74	21.74	21.47							
5	64QAM	1	24	21.74	21.78	21.72	21.65	21.38	22	2					
5	64QAM	12	0	20.48	20.51	20.47	20.42	20.47							
5	64QAM	12	0	20.55	20.52	20.45	20.52	20.42							
5	64QAM	12	13	20.55	20.54	20.55	20.54	20.37							
5	64QAM	25	0	20.59	20.58	20.56	20.54	20.37							
5	256QAM	1	0	19.17	19.32	19.25	19.24	19.21	21	3					
5	256QAM	1	12	18.24	18.24	18.24	18.33	18.21							
5	256QAM	1	24	18.15	18.09	18.23	18.25	18.19							
5	256QAM	15	0	18.19	18.23	18.23	18.23	18.23							
5	256QAM	12	7	18.33	18.36	18.42	18.26	18.26							
5	256QAM	12	13	18.36	18.27	18.28	18.22	18.24	19	5					
5	256QAM	12	13	18.36	18.27	18.28	18.22	18.24							
5	256QAM	12	7	18.33	18.36	18.42	18.26	18.26							
Channel															
Frequency (MHz)				39650	40110	40530	41045	41485	Turn-up Init (dB)				MPE (dB)		
				2550	25955	26375	26890	27325							

Band 42_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Lo Ch / Freq.	Power Mid Ch / Freq.	Power Hi Ch / Freq.	Turn-up rate (dB)	MFR (dB)		
Channel				42190	42590	42690				
Frequency [MHz]				3465	3600	3645				
20	QPSK	1	0	20.73	20.74	20.66				
20	QPSK	1	49	20.67	20.73	20.67	22	0		
20	QPSK	1	99	20.52	20.52	20.55				
20	QPSK	50	0	19.70	19.78	19.71				
20	QPSK	50	24	19.67	19.72	19.69	21	1		
20	QPSK	50	39	19.68	19.68	19.72				
20	QPSK	100	0	19.66	19.76	19.76				
20	16QAM	1	0	19.75	19.71	19.67	21	1		
20	16QAM	1	49	19.70	19.72	19.67				
20	16QAM	1	99	19.59	19.59	19.61				
20	16QAM	50	0	18.70	18.72	18.73				
20	16QAM	50	24	18.71	18.70	18.73	20	2		
20	16QAM	100	0	18.62	18.77	18.77				
20	64QAM	1	0	19.67	19.63	19.72				
20	64QAM	1	49	19.62	19.54	19.68	20	2		
20	64QAM	1	99	19.51	19.55	19.62				
20	64QAM	50	0	17.70	17.70	17.73				
20	64QAM	50	24	17.71	17.71	17.73	19	3		
20	64QAM	100	0	17.63	17.76	17.74				
20	256QAM	1	0	15.58	15.56	15.51				
20	256QAM	1	49	15.49	15.55	15.48	17	5		
20	256QAM	1	99	15.51	15.58	15.48				
20	256QAM	50	0	15.67	15.68	15.59				
20	256QAM	50	24	15.67	15.68	15.67	17	5		
20	256QAM	100	0	15.45	15.50	15.44				
Channel				42165	42590	43015	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				3417.5	4200	4301.5				
16	QPSK	1	0	20.81	20.60	20.60				
16	QPSK	1	37	20.52	20.68	20.53	22	0		
16	QPSK	1	74	20.42	20.45	20.38				
16	QPSK	36	0	19.56	19.61	19.56				
16	QPSK	36	20	19.52	19.68	19.63	21	1		
16	QPSK	36	39	19.67	19.63	19.65				
16	QPSK	75	0	19.52	19.75	19.74				
16	16QAM	1	0	19.71	19.62	19.72	21	1		
16	16QAM	1	37	19.67	19.61	19.44				
16	16QAM	1	74	19.46	19.52	19.49				
16	16QAM	36	0	18.60	18.60	18.66	20	2		
16	16QAM	36	20	18.63	18.67	18.68				
16	16QAM	36	39	18.58	18.63	18.67				
16	16QAM	75	0	18.54	18.73	18.75				
16	64QAM	1	0	19.58	19.56	19.59				
16	64QAM	1	37	19.51	19.43	19.59	20	2		
16	64QAM	1	74	19.47	19.54	19.47				
16	64QAM	36	0	17.57	17.65	17.67				
16	64QAM	36	20	17.66	17.76	17.72	19	3		
16	64QAM	36	39	17.70	17.58	17.63				
16	64QAM	75	0	17.49	17.61	17.64				
16	256QAM	1	0	15.50	15.55	15.45	17	5		
16	256QAM	1	37	15.52	15.46	15.35				
16	256QAM	1	74	15.45	15.43	15.34				
16	256QAM	36	0	15.49	15.56	15.56				
16	256QAM	36	20	15.52	15.65	15.66	17	5		
16	256QAM	36	39	15.47	15.60	15.42				
16	256QAM	75	0	15.42	15.48	15.39				
Channel				42140	42590	43040	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				3416	4200	4304				
10	QPSK	1	0	20.68	20.63	20.63				
10	QPSK	1	25	20.55	20.61	20.54	22	0		
10	QPSK	1	49	20.11	20.39	20.34				
10	QPSK	25	0	19.80	19.61	19.58				
10	QPSK	25	12	19.54	19.75	19.65	21	1		
10	QPSK	25	25	19.59	19.59	19.59				
10	QPSK	50	0	19.62	19.69	19.67				
10	16QAM	1	0	19.67	19.67	19.65	21	1		
10	16QAM	1	25	19.63	19.65	19.47				
10	16QAM	1	49	19.48	19.49	19.52				
10	16QAM	25	0	18.55	18.71	18.64				
10	16QAM	25	12	18.66	18.65	18.71	20	2		
10	16QAM	25	25	18.58	18.67	18.60				
10	16QAM	50	0	18.60	18.69	18.63				
10	64QAM	1	0	19.61	19.52	19.62				
10	64QAM	1	25	19.59	19.45	19.63	20	2		
10	64QAM	1	49	19.36	19.41	19.39				
10	64QAM	25	0	17.55	17.63	17.70				
10	64QAM	25	12	17.70	17.68	17.67	19	3		
10	64QAM	50	0	17.53	17.68	17.71				
10	256QAM	1	0	15.52	15.52	15.40				
10	256QAM	1	25	15.34	15.47	15.28	17	5		
10	256QAM	1	49	15.49	15.45	15.47				
10	256QAM	25	0	15.54	15.56	15.57				
10	256QAM	25	12	15.62	15.63	15.59	17	5		
10	256QAM	25	25	15.43	15.53	15.46				
10	256QAM	50	0	15.44	15.45	15.35				
Channel				42115	42590	43085	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				3414.5	4200	4308.5				
5	QPSK	1	0	20.83	20.72	20.56				
5	QPSK	1	12	20.61	20.84	20.63	22	0		
5	QPSK	1	24	20.49	20.43	20.56				
5	QPSK	12	0	19.84	19.71	19.63				
5	QPSK	12	7	19.65	19.67	19.71	21	1		
5	QPSK	12	13	19.57	19.59	19.71				
5	QPSK	25	0	19.55	19.66	19.73				
5	16QAM	1	0	19.62	19.68	19.72	21	1		
5	16QAM	1	12	19.66	19.65	19.52				
5	16QAM	1	24	19.55	19.52	19.53				
5	16QAM	12	0	18.60	18.68	18.66	20	2		
5	16QAM	12	7	18.63	19.77	19.72				
5	16QAM	12	13	18.60	18.66	18.60				
5	16QAM	25	0	18.50	18.68	18.70				
5	64QAM	1	0	19.62	19.57	19.65				
5	64QAM	1	12	19.56	19.51	19.52	20	2		
5	64QAM	1	24	19.49	19.48	19.48				
5	64QAM	12	0	17.66	17.68	17.63				
5	64QAM	12	7	17.58	17.75	17.74	19	3		
5	64QAM	12	13	17.62	17.70	17.61				
5	64QAM	25	0	17.52	17.74	17.61				
5	256QAM	1	0	15.45	15.52	15.43				
5	256QAM	1	12	15.36	15.42	15.37	17	5		
5	256QAM	1	24	15.44	15.57	15.31				
5	256QAM	12	0	15.59	15.55	15.49				
5	256QAM	12	7	15.52	15.59	15.56				
5	256QAM	12	13	15.44	15.52	15.50	17	5		
5	256QAM	25	0	15.37	15.46	15.39				

Band 42_Ant 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power [dBm] Ch 1 / Freq.	Power [dBm] Ch 2 / Freq.	Power [dBm] Ch 3 / Freq.	Turn-up rate (dB)	MFR (dB)		
Channel				42190	42590	42650				
Frequency [MHz]				42165	42590	42655	Turn-up rate (dB)	MFR (dB)		
20	QPSK	1	0	23.52	23.63	23.55				
20	QPSK	1	49	23.49	23.50	23.48	24	0		
20	QPSK	1	98	23.42	23.42	23.52				
20	QPSK	50	50	23.37	23.38	23.36				
20	QPSK	50	24	23.34	23.34	23.34				
20	QPSK	50	24	23.37	23.38	23.36				
20	QPSK	100	100	23.21	23.22	23.23				
20	QPSK	1	0	23.51	23.56	23.61				
20	QPSK	1	49	23.23	23.28	23.33	24	0		
20	QPSK	1	98	23.13	23.18	23.23				
20	QPSK	50	50	23.36	23.31	23.30				
20	QPSK	50	24	23.33	23.33	23.33				
20	QPSK	50	24	23.36	23.36	23.36				
20	QPSK	100	100	23.23	23.22	23.23				
20	QPSK	100	0	23.26	23.26	23.26				
20	QPSK	1	49	23.59	23.51	23.62	24	0		
20	QPSK	1	98	23.62	23.45	23.12				
20	QPSK	50	50	23.45	23.45	23.45				
20	QPSK	50	24	22.44	22.43	22.43	23			
20	QPSK	50	50	22.32	22.43	22.41				
20	QPSK	100	100	22.26	22.26	22.26				
20	QPSK	1	0	19.81	19.91	19.94				
20	QPSK	1	49	19.90	20.02	19.93				
20	QPSK	50	50	19.84	19.84	19.84	21	3		
20	QPSK	50	50	19.97	20.06	19.95				
20	QPSK	50	24	20.04	20.13	20.06				
20	QPSK	50	24	20.07	20.07	20.07	21	3		
20	QPSK	100	100	20.05	20.13	20.07				
Channel				42165	42590	42655	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				42165	42590	42655	Turn-up rate (dB)	MFR (dB)		
15	QPSK	36	0	23.38	23.67	23.41				
15	QPSK	1	37	23.34	23.42	23.37	24	0		
15	QPSK	1	74	23.34	23.30	23.36				
15	QPSK	1	37	23.40	23.40	23.40				
15	QPSK	36	20	23.13	23.19	23.22	24	0		
15	QPSK	36	39	23.26	23.19	23.22				
15	QPSK	36	39	23.07	23.29	23.23				
15	QPSK	1	0	23.43	23.43	23.47				
15	QPSK	1	37	23.08	23.21	23.45	24	0		
15	QPSK	1	74	23.17	23.37	23.31				
15	QPSK	36	0	23.23	23.44	23.23				
15	QPSK	36	20	23.27	23.27	23.24	24	0		
15	QPSK	36	39	23.27	23.42	23.25				
15	QPSK	75	0	23.27	23.42	23.25				
15	QPSK	1	0	22.91	23.06	22.99				
15	QPSK	1	37	23.47	23.47	23.47	24	0		
15	QPSK	1	74	23.48	23.32	23.54				
15	QPSK	36	20	22.27	22.30	22.34				
15	QPSK	36	20	22.32	22.32	22.32	24	1		
15	QPSK	36	39	22.20	22.27	22.32				
15	QPSK	75	0	22.26	22.26	22.26				
15	QPSK	1	0	19.74	19.90	19.77				
15	QPSK	36	1	19.78	19.88	19.78				
15	QPSK	36	1	19.80	19.80	19.80	21	3		
15	QPSK	36	1	19.86	19.95	19.95				
15	QPSK	36	20	20.01	19.98	19.91				
15	QPSK	36	20	20.03	20.03	20.03	21	3		
15	QPSK	75	0	19.98	20.08	19.95				
Channel				42165	42590	42655	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				42165	42590	42655	Turn-up rate (dB)	MFR (dB)		
10	QPSK	1	0	23.57	23.49	23.40				
10	QPSK	1	26	23.39	23.37	23.31	24	0		
10	QPSK	1	49	23.36	23.30	23.47				
10	QPSK	1	98	23.37	23.41	23.37				
10	QPSK	25	12	23.13	23.16	23.22	24	0		
10	QPSK	25	26	23.26	23.21	23.27				
10	QPSK	25	26	23.07	23.29	23.29				
10	QPSK	1	0	23.46	23.47	23.49				
10	QPSK	1	26	23.18	23.19	23.36	24	0		
10	QPSK	1	49	23.30	23.30	23.30				
10	QPSK	25	0	23.28	23.41	23.28				
10	QPSK	25	12	23.24	23.19	23.26	24	0		
10	QPSK	25	12	23.24	23.24	23.24				
10	QPSK	50	0	23.34	23.43	23.31				
10	QPSK	1	0	22.97	23.34	23.01				
10	QPSK	1	26	23.33	23.30	23.33	24	0		
10	QPSK	25	0	22.28	22.34	22.25				
10	QPSK	25	0	22.33	22.33	22.33	23			
10	QPSK	25	26	22.17	22.32	22.31				
10	QPSK	50	0	22.08	22.34	22.01				
10	QPSK	50	0	19.85	19.85	19.85				
10	QPSK	1	26	19.75	19.88	19.91				
10	QPSK	1	49	19.83	19.89	19.97	21	3		
10	QPSK	25	12	19.83	19.83	19.83				
10	QPSK	25	12	19.96	20.08	19.95				
10	QPSK	50	0	19.89	19.89	19.89	21	3		
10	QPSK	50	0	20.02	19.99	20.07				
Channel				42115	42590	42655	Turn-up rate (dB)	MFR (dB)		
Frequency [MHz]				42115	42590	42655	Turn-up rate (dB)	MFR (dB)		
5	QPSK	1	12	23.33	23.36	23.41				
5	QPSK	1	24	23.33	23.30	23.45	24	0		
5	QPSK	1	36	23.37	23.41	23.33				
5	QPSK	12	7	23.17	23.23	23.23	24	0		
5	QPSK	12	13	23.28	23.14	23.21				
5	QPSK	12	13	23.27	23.27	23.27				
5	QPSK	1	0	23.46	23.47	23.54				
5	QPSK	1	12	23.17	23.22	23.43	24	0		
5	QPSK	12	7	23.23	23.23	23.23				
5	QPSK	12	12	23.25	23.46	23.25				
5	QPSK	12	7	23.20	23.27	23.29	24	0		
5	QPSK	25	0	23.41	23.41	23.41				
5	QPSK	25	0	23.25	23.37	23.23				
5	QPSK	1	0	22.91	23.32	22.96				
5	QPSK	12	7	22.49	22.29	22.33	24	0		
5	QPSK	1	24	23.43	23.33	23.07				
5	QPSK	12	0	22.32	22.32	22.32				
5	QPSK	12	0	22.33	22.33	22.33	23	1		
5	QPSK	12	13	22.24	22.30	22.32				
5	QPSK	25	0	22.12	22.31	22.12				
5	QPSK	12	13	22.12	22.12	22.12	23	1		
5	QPSK	1	12	19.86	19.86	19.86				
5	QPSK	12	13	19.84	20.01	19.92				
5	QPSK	12	13	19.83	20.03	19.93				
5	QPSK	12	7	19.89	20.11	19.95	21	3		
5	QPSK	12	13	20.02	20.16	19.95				
5	QPSK	12	13	20.03	20.03	20.03				



n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PV2 BPSK	1	1	22.74	22.69	22.71			
20	PV2 BPSK	1	53	22.67	22.60	22.65	24.0	0.0	
20	PV2 BPSK	1	104	22.60	22.56	22.72			
20	PV2 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	PV2 BPSK	50	28	22.65	22.59	22.65	24.0	0.0	
20	PV2 BPSK	50	56	22.66	22.60	22.61			
20	PV2 BPSK	100	0	22.67	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.70	22.61	22.72			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.65	22.71	22.65	24.0	0.0	
20	QPSK	50	56	22.61	22.56	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.65			
20	16QAM	1	1	22.74	22.58	22.74	24.0	0.0	
20	64QAM	1	1	21.85	21.80	21.85	22.0	2.0	
20	256QAM	1	1	20.03	19.96	20.00	21.0	3.0	
Channel				187100	187100	187100			
Frequency (MHz)				1867.5	1865	1862.5			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1865	1865	1865			
10	QPSK	1	1	22.68	22.58	22.57	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1862.5	1860	1857.5			
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PV2 BPSK	1	1	22.51	22.43	22.27			
20	PV2 BPSK	1	53	22.46	22.37	22.21	24.0	0.0	
20	PV2 BPSK	1	104	22.34	22.27	22.13			
20	PV2 BPSK	50	0	22.33	22.26	22.10	23.5	0.5	
20	PV2 BPSK	50	28	22.29	22.23	22.09	24.0	0.0	
20	PV2 BPSK	50	56	22.33	22.27	22.10			
20	PV2 BPSK	100	0	22.36	22.30	22.13	23.5	0.5	
20	QPSK	1	1	22.51	22.35	22.21			
20	QPSK	1	53	22.46	22.40	22.21	24.0	0.0	
20	QPSK	1	104	22.36	22.31	22.17			
20	QPSK	50	0	22.16	22.06	21.92	23.0	1.0	
20	QPSK	50	28	22.10	22.41	22.11	24.0	0.0	
20	QPSK	50	56	22.01	21.92	21.76	23.0	1.0	
20	QPSK	100	0	22.05	22.07	21.82			
20	16QAM	1	1	22.51	22.42	22.26	23.0	1.0	
20	64QAM	1	1	20.69	20.63	20.44	21.5	2.5	
20	256QAM	1	1	18.62	18.44	18.30	19.5	4.5	
Channel				187100	187100	187100			
Frequency (MHz)				1867.5	1860	1852.5			
15	QPSK	1	1	22.45	22.30	22.14	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1865	1860	1855			
10	QPSK	1	1	22.42	22.33	22.21	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1862.5	1860	1857.5			
5	QPSK	1	1	22.50	22.32	22.21	24.0	0.0	

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PV2 BPSK	1	1	22.14	22.09	22.08			
20	PV2 BPSK	1	53	22.06	22.04	22.05	24.0	0.0	
20	PV2 BPSK	1	104	22.10	22.07	22.04			
20	PV2 BPSK	50	0	22.02	22.09	22.08	23.5	0.5	
20	PV2 BPSK	50	28	22.01	22.08	22.04	24.0	0.0	
20	PV2 BPSK	50	56	22.01	22.08	22.05			
20	PV2 BPSK	100	0	22.07	22.02	22.09	23.5	0.5	
20	QPSK	1	1	22.10	22.25	22.24			
20	QPSK	1	53	22.16	22.14	22.22	24.0	0.0	
20	QPSK	1	104	22.10	22.15	22.12			
20	QPSK	50	0	22.12	22.16	22.12	23.0	1.0	
20	QPSK	50	28	22.16	22.22	22.15	24.0	0.0	
20	QPSK	50	56	22.14	22.17	22.13	23.0	1.0	
20	QPSK	100	0	22.12	22.16	22.14			
20	16QAM	1	1	22.10	22.16	22.01	23.0	1.0	
20	64QAM	1	1	20.61	20.56	20.43	21.5	2.5	
20	256QAM	1	1	18.58	18.53	18.40	19.5	4.5	
Channel				187100	187100	187100			
Frequency (MHz)				1867.5	1865	1862.5			
15	QPSK	1	1	22.13	22.16	22.11	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1865	1865	1865			
10	QPSK	1	1	22.13	22.16	22.11	24.0	0.0	
Channel				187100	187100	187100			
Frequency (MHz)				1862.5	1860	1857.5			
5	QPSK	1	1	22.12	22.12	22.10	24.0	0.0	



n5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				844	846.5	848					
20	PLQ BPSK	1	1	22.80	22.82	22.77	24.0	0.0			
20	PLQ BPSK	1	53	22.87	22.84	22.88					
20	PLQ BPSK	1	104	22.96	22.95	22.97					
20	PLQ BPSK	56	0	22.71	22.71	22.83	23.5	0.5			
20	PLQ BPSK	55	28	22.88	22.86	22.88	24.0	0.0			
20	PLQ BPSK	56	56	22.95	22.99	22.94	23.5	0.5			
20	PLQ BPSK	104	0	22.72	22.73	22.87	24.0	0.0			
20	QPSK	1	1	22.90	22.84	22.77					
20	QPSK	1	53	22.72	22.68	22.84					
20	QPSK	1	104	22.98	22.98	22.95	23.0	1.0			
20	QPSK	55	5	22.70	22.74	22.70					
20	QPSK	56	28	22.75	22.75	22.75					
20	QPSK	56	56	22.85	22.98	22.84	23.0	1.0			
20	QPSK	105	0	22.81	22.97	22.84	23.0	1.0			
20	16QAM	1	1	22.51	22.50	22.44					
20	16QAM	1	1	21.42	21.42	21.36					
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5			
Channel											
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.70	22.71	22.83	24.0	0.0			
Channel											
Frequency (MHz)				820	836.5	844					
10	QPSK	1	1	22.78	22.67	22.69	24.0	0.0			
Channel											
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.72	22.73	22.87	24.0	0.0			

n5_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				834	836.5	838					
20	PLQ BPSK	1	1	22.61	22.48	22.96	24.0	0.0			
20	PLQ BPSK	1	53	22.61	22.49	22.90					
20	PLQ BPSK	1	104	22.90	22.46	22.44					
20	PLQ BPSK	56	0	22.59	22.96	22.54	23.5	0.5			
20	PLQ BPSK	56	28	22.69	22.54	22.90	24.0	0.0			
20	PLQ BPSK	56	56	22.92	22.47	22.44	23.5	0.5			
20	PLQ BPSK	104	0	22.63	22.49	22.48	24.0	0.0			
20	QPSK	1	1	22.65	22.63	22.54					
20	QPSK	1	53	22.95	22.96	22.93					
20	QPSK	1	104	22.98	22.92	22.90	23.0	1.0			
20	QPSK	56	5	22.50	22.63	22.53					
20	QPSK	56	28	22.67	22.60	22.64					
20	QPSK	56	56	22.47	22.44	22.43	23.0	1.0			
20	QPSK	105	0	22.47	22.46	22.43	23.0	1.0			
20	16QAM	1	1	22.50	22.56	22.55					
20	16QAM	1	1	20.68	20.67	20.64	21.5	2.5			
20	256QAM	1	1	18.66	18.67	18.60	19.5	4.5			
Channel											
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.66	22.47	22.46	24.0	0.0			
Channel											
Frequency (MHz)				820	836.5	844					
10	QPSK	1	1	22.64	22.40	22.44	24.0	0.0			
Channel											
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.61	22.43	22.49	24.0	0.0			

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Middle Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PLQ BPSK	1	1	23.04	23.13	23.21	24.0	0.0	
40	PLQ BPSK	1	108	23.14	23.21	23.29			
40	PLQ BPSK	1	214	23.09	23.19	23.26			
40	PLQ BPSK	108	0	22.98	23.05	23.14	23.5	0.5	
40	PLQ BPSK	108	54	23.03	23.12	23.18	24.0	0.0	
40	PLQ BPSK	108	108	23.06	23.12	23.19	23.5	0.5	
40	PLQ BPSK	216	0	23.17	23.38	23.35	24.0	0.0	
40	QPSK	1	1	23.16	23.26	23.33			
40	QPSK	1	108	23.14	23.22	23.32			
40	QPSK	108	0	23.00	23.08	23.14	24.0	0.0	
40	QPSK	108	54	23.10	23.33	23.31	24.0	0.0	
40	QPSK	108	108	23.04	23.26	23.29			
40	QPSK	216	0	22.93	23.15	23.09			
40	16QAM	1	1	22.85	22.92	23.01	24.0	0.0	
40	256QAM	1	1	21.88	21.74	21.81	22.0	2.0	
40	256QAM	1	1	19.84	19.90	20.00	21.0	3.0	
Channel									
				56500	56700	56885			
30	QPSK	1	1	23.04	23.15	23.27	24.0	0.0	
Channel									
				56500	56700	56885			
20	QPSK	1	1	23.06	23.17	23.27	24.0	0.0	
Channel									
				56500	56700	56885			
20	QPSK	1	1	23.02	23.11	23.22	24.0	0.0	
Channel									
				56500	56700	56885			
15	QPSK	1	1	23.10	23.18	23.28	24.0	0.0	
Channel									
				56500	56700	56885			
10	QPSK	1	1	22.87	22.75	23.08	24.0	0.0	
Channel									
				56500	56700	56885			
5	QPSK	1	1	22.91	22.99	23.15	24.0	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 5000000	Power Middle Ch. F.Freq. 5016000	Power High Ch. F.Freq. 5032000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	23.13	23.23	23.31			
40	PSSBPSK	1	108	23.05	23.17	23.15	24.0	0.0	
40	PSSBPSK	1	214	23.08	23.18	23.16			
40	PSSBPSK	108	0	22.78	22.86	22.87	23.5	0.5	
40	PSSBPSK	108	54	23.05	23.15	23.13	24.0	0.0	
40	PSSBPSK	108	108	22.78	22.90	22.86			
40	PSSBPSK	216	0	22.88	22.81	22.77	23.5	0.5	
40	QPSK	1	1	23.14	23.26	23.22			
40	QPSK	1	108	23.06	23.18	23.16	24.0	0.0	
40	QPSK	1	214	23.07	23.20	23.21			
40	QPSK	108	0	22.39	22.50	22.48	23.0	1.0	
40	QPSK	108	54	23.10	23.20	23.17	24.0	0.0	
40	QPSK	108	108	22.28	22.37	22.36	23.0	1.0	
40	QPSK	216	0	22.35	22.46	22.43			
40	16QAM	1	1	22.13	22.26	22.27	23.0	1.0	
40	16QAM	1	1	20.60	20.70	20.67	21.5	2.5	
40	256QAM	1	1	19.07	19.16	19.13	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.22	20.00	20.10			
25	QPSK	1	1	23.87	23.11	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.89	23.18	23.09	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.10	20.00	20.10			
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.83	23.12	23.13	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.08	20.00	20.10			
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.89	23.14	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.91	23.19	23.15	24.0	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	22.38	22.47	22.41			
40	PSSBPSK	1	108	22.44	22.53	22.48	24.0	0.0	
40	PSSBPSK	1	214	22.39	22.46	22.37			
40	PSSBPSK	108	0	22.36	22.48	22.39	23.5	0.5	
40	PSSBPSK	108	54	22.31	22.39	22.35	24.0	0.0	
40	PSSBPSK	108	108	22.29	22.41	22.32			
40	PSSBPSK	216	0	22.34	22.43	22.39	23.5	0.5	
40	QPSK	1	1	22.46	22.55	22.47			
40	QPSK	1	108	22.42	22.51	22.45	24.0	0.0	
40	QPSK	1	214	22.45	22.54	22.37			
40	QPSK	108	0	22.12	22.21	22.17	23.0	1.0	
40	QPSK	108	54	22.33	22.43	22.35	24.0	0.0	
40	QPSK	108	108	22.00	22.11	22.03	23.0	1.0	
40	QPSK	216	0	22.00	22.12	22.05			
40	16QAM	1	1	22.19	22.27	22.23	23.0	1.0	
40	16QAM	1	1	20.48	20.57	20.51	21.5	2.5	
40	256QAM	1	1	18.58	18.69	18.64	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.37	22.41	22.40	24.0	0.0	MPR
30	QPSK	1	1	20.20	20.00	20.10			MPR
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.41	22.44	22.34	24.0	0.0	MPR
25	QPSK	1	1	20.21	20.00	20.10			MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.34	22.44	22.39	24.0	0.0	MPR
20	QPSK	1	1	20.10	20.00	20.10			MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.19	22.43	22.30	24.0	0.0	MPR
15	QPSK	1	1	20.10	20.00	20.10			MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.32	22.47	22.40	24.0	0.0	MPR
10	QPSK	1	1	20.00	20.00	20.10			MPR
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.37	22.46	22.30	24.0	0.0	MPR

n66_Ant 2									
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)									
40	PSSBPSK	1	1	22.81	22.73	22.57			
40	PSSBPSK	1	108	22.75	22.68	22.51	24.0	0.0	
40	PSSBPSK	1	214	22.78	22.72	22.56			
40	PSSBPSK	108	0	22.69	22.64	22.49	23.5	0.5	
40	PSSBPSK	108	54	22.65	22.58	22.43	24.0	0.0	
40	PSSBPSK	108	108	22.71	22.61	22.43	23.5	0.5	
40	PSSBPSK	216	0	22.70	22.66	22.47	23.5	0.5	
40	QPSK	1	1	22.77	22.65	22.51			
40	QPSK	1	108	22.76	22.71	22.56	24.0	0.0	
40	QPSK	1	214	22.76	22.68	22.53			
40	QPSK	108	0	22.70	22.70	22.55	23.0	1.0	
40	QPSK	108	54	22.71	22.62	22.50	24.0	0.0	
40	QPSK	108	108	22.73	22.64	22.44	23.0	1.0	
40	QPSK	216	0	22.64	22.70	22.58			
40	16QAM	1	1	22.75	22.68	22.48	23.0	1.0	
40	16QAM	1	1	21.75	21.66	21.50	22.0	2.0	
40	256QAM	1	1	20.34	20.28	20.08	21.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.67	22.48	24.0	0.0	
30	QPSK	1	1	20.20	20.00	20.10			
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.70	22.71	22.43	24.0	0.0	
20	QPSK	1	1	20.10	20.00	20.10			
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.60	22.63	22.46	24.0	0.0	
15	QPSK	1	1	20.00	20.00	20.10			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.62	22.44	24.0	0.0	
10	QPSK	1	1	20.00	20.00	20.10			
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.70	22.68	22.42	24.0	0.0	

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1740	1745	1750		
Frequency (MHz)								
40	PI2-BPSK	1	1	22.77	22.79	22.81		
40	PI2-BPSK	1	108	22.70	22.72	22.87	24.0	0.0
40	PI2-BPSK	1	214	22.62	22.65	22.80		
40	PI2-BPSK	108	0	22.73	22.73	22.87	23.5	0.5
40	PI2-BPSK	108	54	22.63	22.66	22.47	24.0	0.0
40	PI2-BPSK	108	108	22.65	22.65	22.48		
40	PI2-BPSK	216	0	22.71	22.75	22.87	23.5	0.5
40	QPSK	1	1	22.80	22.82	22.70		
40	QPSK	1	108	22.71	22.74	22.58	24.0	0.0
40	QPSK	1	214	22.58	22.55	22.38		
40	QPSK	108	0	22.43	22.47	22.32	23.0	1.0
40	QPSK	108	54	22.11	22.15	22.01	24.0	0.0
40	QPSK	108	108	22.33	22.33	22.14	23.0	1.0
40	QPSK	216	0	22.35	22.40	22.23		
40	16QAM	1	1	22.41	22.45	22.38	23.0	1.0
40	64QAM	1	1	20.97	21.01	20.83	21.5	2.5
40	256QAM	1	1	19.21	19.24	19.00	19.5	4.5
Channel				17500	17500	17500		
Frequency (MHz)								
30	QPSK	1	1	17.25	17.45	17.65		
30	QPSK	1	1	22.70	22.66	22.49	24.0	0.0
30	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
20	QPSK	1	1	17.20	17.45	17.70		
20	QPSK	1	1	22.71	22.73	22.87	24.0	0.0
20	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
15	QPSK	1	1	22.65	22.71	22.51	24.0	0.0
15	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
10	QPSK	1	1	22.70	22.71	22.69	24.0	0.0
10	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
5	QPSK	1	1	22.60	22.60	22.58	24.0	0.0

n66_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	352000		
Frequency (MHz)								
40	PI2-BPSK	1	1	22.41	22.45	22.38		
40	PI2-BPSK	1	108	22.47	22.49	22.32	24.0	0.0
40	PI2-BPSK	1	214	22.42	22.43	22.27		
40	PI2-BPSK	108	0	22.07	22.08	21.89	23.5	0.5
40	PI2-BPSK	108	54	22.47	22.50	22.34	24.0	0.0
40	PI2-BPSK	108	108	22.03	22.05	21.87		
40	PI2-BPSK	216	0	22.08	22.10	21.90	23.5	0.5
40	QPSK	1	1	22.40	22.53	22.37		
40	QPSK	1	108	22.43	22.48	22.27	24.0	0.0
40	QPSK	1	214	22.48	22.50	22.30		
40	QPSK	108	0	21.58	21.59	21.41	23.0	1.0
40	QPSK	108	54	22.05	22.07	21.85	24.0	0.0
40	QPSK	108	108	21.43	21.46	21.27	23.0	1.0
40	QPSK	216	0	21.55	21.59	21.38		
40	16QAM	1	1	21.35	21.41	21.21	23.0	1.0
40	64QAM	1	1	19.95	20.01	19.81	21.5	2.5
40	256QAM	1	1	18.34	18.35	18.15	19.5	4.5
Channel				347000	347000	353000		
Frequency (MHz)								
30	QPSK	1	1	22.35	22.38	22.27	24.0	0.0
30	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
20	QPSK	1	1	22.34	22.40	22.31	24.0	1.0
20	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
15	QPSK	1	1	22.39	22.41	22.24	24.0	1.0
15	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
10	QPSK	1	1	22.44	22.48	22.24	24.0	1.0
10	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
5	QPSK	1	1	22.40	22.47	22.20	24.0	0.0



n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				22.94	22.95	23.00			
40	PSSBPSK	1	1	22.98	22.95	23.00			
40	PSSBPSK	1	53	22.87	22.86	22.94	24.0	0.0	
40	PSSBPSK	1	104	22.74	22.72	22.79			
40	PSSBPSK	50	5	22.92	22.91	22.97	23.5	0.5	
40	PSSBPSK	50	26	22.90	22.89	22.89	24.0	0.0	
40	PSSBPSK	50	56	22.76	22.75	22.81			
40	PSSBPSK	100	5	22.81	22.81	22.87	23.5	0.5	
40	QPSK	1	1	22.99	22.99	23.02			
40	QPSK	1	53	22.98	22.92	22.99	24.0	0.0	
40	QPSK	1	104	22.71	22.72	22.75			
40	QPSK	50	5	22.90	22.82	22.91			
40	QPSK	50	26	22.88	22.90	22.88	24.0	0.0	
40	QPSK	50	56	22.79	22.76	22.84			
40	QPSK	100	5	22.83	22.80	22.85	24.0	0.0	
40	64QAM	1	1	22.99	22.96	22.96	26.0	0.0	
40	64QAM	1	1	21.83	21.94	21.91	23.0	1.0	
40	256QAM	1	1	20.12	20.08	20.18	21.0	3.0	
Channel				\$17100	\$18000	\$19000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.85	25.95	26.05			
30	QPSK	1	1	22.91	22.85	22.88	24.0	0.0	
Channel				\$16100	\$17000	\$18000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.80	25.95	26.10			
20	QPSK	1	1	22.90	22.85	22.97	24.0	0.0	
Channel				\$15100	\$16000	\$17000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.77.5	25.95	26.12.5			
15	QPSK	1	1	22.93	22.89	22.95	24.0	0.0	
Channel				\$14100	\$15000	\$16000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.70	25.95	26.15			
10	QPSK	1	1	22.88	22.91	22.91	24.0	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				23.00	23.05	23.10			
40	PSSBPSK	1	1	23.03	23.16	23.15			
40	PSSBPSK	1	53	23.05	23.14	23.09	24.0	0.0	
40	PSSBPSK	1	104	22.90	22.99	22.98			
40	PSSBPSK	50	5	22.73	22.81	22.80	23.5	0.5	
40	PSSBPSK	50	26	22.80	22.92	22.86	24.0	0.0	
40	PSSBPSK	50	56	22.64	22.72	22.70			
40	PSSBPSK	100	5	22.57	22.69	22.63	23.5	0.5	
40	QPSK	1	1	23.00	23.17	23.13			
40	QPSK	1	53	23.09	23.13	23.11	24.0	0.0	
40	QPSK	1	104	22.90	23.03	22.97			
40	QPSK	50	5	22.30	22.44	22.43			
40	QPSK	50	26	22.59	22.15	22.15	24.0	0.0	
40	QPSK	50	56	22.25	22.33	22.27			
40	QPSK	100	5	22.29	22.42	22.38	23.0	1.0	
40	64QAM	1	1	22.27	22.36	22.34	23.0	1.0	
40	64QAM	1	1	20.67	20.79	20.73	21.5	2.5	
40	256QAM	1	1	19.11	19.24	19.22	19.5	4.5	
Channel				\$17000	\$18000	\$19000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.95	25.95	26.05			
30	QPSK	1	1	23.01	23.10	23.04	24.0	0.0	
Channel				\$16000	\$17000	\$18000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.90	25.95	26.10			
20	QPSK	1	1	22.91	23.02	23.08	24.0	0.0	
Channel				\$15000	\$16000	\$17000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.77.5	25.95	26.12.5			
15	QPSK	1	1	23.00	23.06	22.99	24.0	0.0	
Channel				\$14000	\$15000	\$16000	QPSK 100	MPR (dB)	
Frequency (MHz)				25.70	25.95	26.15			
10	QPSK	1	1	23.00	23.12	23.05	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				22.24	22.25	22.26			
40	PI2 BPSK	1	1	22.22	22.25	22.30			
40	PI2 BPSK	1	83	22.12	22.20	22.23	24.0	0.0	
40	PI2 BPSK	1	104	22.18	22.05	22.02			
40	PI2 BPSK	50	5	22.19	22.24	22.25	23.5	0.5	
40	PI2 BPSK	50	26	22.15	22.04	22.06	24.0	0.0	
40	PI2 BPSK	50	56	21.97	22.05	22.08			
40	PI2 BPSK	100	5	22.00	22.10	22.14	23.5	0.5	
40	QPSK	1	1	22.23	22.21	22.20			
40	QPSK	1	53	22.08	22.14	22.17	24.0	0.0	
40	QPSK	1	104	22.14	22.22	22.21			
40	QPSK	50	5	22.09	22.04	22.04			
40	QPSK	50	26	22.09	22.05	22.04	24.0	0.0	
40	QPSK	50	56	22.09	22.09	22.12			
40	QPSK	100	5	21.63	21.75	21.72	23.5	1.0	
40	64QAM	1	1	21.70	21.70	21.66	20.5	1.0	
40	64QAM	1	1	20.74	20.21	20.22	21.5	2.5	
40	256QAM	1	1	18.22	18.28	18.28	19.5	4.5	
Channel				517000	517000	517000			
Frequency (MHz)				25.85	25.85	25.85			
30	QPSK	1	1	22.14	22.21	22.15	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				25.80	25.85	26.10			
20	QPSK	1	1	22.11	22.24	22.25	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				25.77.5	25.85	26.12.5			
15	QPSK	1	1	22.16	22.15	22.25	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				26.70	26.68	26.18			
10	QPSK	1	1	22.16	22.17	22.25	24.0	0.0	

FCC_n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	518568	528000			
Frequency (MHz)				22.46.01	22.46.94	22.46			
100	PI2 BPSK	1	1	22.46	22.50	22.50			
100	PI2 BPSK	1	137	22.52	22.88	22.88	24.0	0.0	
100	PI2 BPSK	1	271	22.83	22.88	22.88			
100	PI2 BPSK	135	5	22.98	22.91	22.89	23.5	0.5	
100	PI2 BPSK	135	86	22.92	22.87	22.89	24.0	0.0	
100	PI2 BPSK	135	139	22.83	22.88	22.83			
100	PI2 BPSK	230	5	22.90	22.85	22.84	23.5	0.5	
100	QPSK	1	1	22.13	22.14	22.09			
100	QPSK	1	137	23.12	23.06	23.04	24.0	0.0	
100	QPSK	1	271	23.15	23.07	23.06			
100	QPSK	135	5	22.98	22.96	22.87			
100	QPSK	135	86	22.98	22.95	22.88	24.0	0.0	
100	QPSK	135	139	22.98	22.92	22.88			
100	QPSK	270	5	22.83	22.83	22.80	24.0	0.0	
100	64QAM	1	1	23.09	23.04	23.04	24.0	0.0	
100	64QAM	1	1	22.00	21.93	21.93	23.0	1.0	
100	256QAM	1	1	20.21	20.15	20.15	21.0	3.0	
Channel				25320.0	25320.0	25320.0			
Frequency (MHz)				2541	2582.99	2644.98			
90	QPSK	1	1	23.06	23.02	22.94	24.0	0.0	
Channel				25320.0	25320.0	25320.0			
Frequency (MHz)				2636.02	2582.99	2648.99			
80	QPSK	1	1	23.00	22.99	22.95	24.0	0.0	
Channel				2636.02	2582.99	2648.99			
Frequency (MHz)				2631.01	2582.99	2655			
70	QPSK	1	1	23.00	23.03	22.91	24.0	0.0	
Channel				2636.02	2582.99	2648.99			
Frequency (MHz)				2626	2582.99	2658.98			
60	QPSK	1	1	23.00	22.95	22.90	24.0	0.0	
Channel				2626.02	2582.99	2648.99			
Frequency (MHz)				2621.02	2582.99	2654.99			
50	QPSK	1	1	23.09	22.97	22.94	24.0	0.0	
Channel				2626.02	2582.99	2648.99			
Frequency (MHz)				2616.01	2582.99	2670			
40	QPSK	1	1	22.99	22.98	22.98	24.0	0.0	
Channel				2626.02	2582.99	2648.99			
Frequency (MHz)				2611	2582.99	2676.98			
30	QPSK	1	1	23.03	22.97	22.90	24.0	0.0	
Channel				2626.02	2582.99	2648.99			
Frequency (MHz)				2606.02	2582.99	2676.98			
20	QPSK	1	1	23.03	22.98	23.00	24.0	0.0	



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				546502	516598	528000			
Frequency (MHz)				2446.81	2542.97	2640			
100	PQ2 BPSK	1	1	23.10	23.00	22.96			
100	PQ2 BPSK	1	137	23.04	22.92	22.91	24.0	0.0	
100	PQ2 BPSK	1	271	22.99	22.88	22.86			
100	PQ2 BPSK	135	5	22.92	22.84	22.81	23.5	0.5	
100	PQ2 BPSK	135	69	22.87	22.86	22.80	24.0	0.5	
100	PQ2 BPSK	135	135	22.79	22.63	22.61	23.5	0.5	
100	PQ2 BPSK	270	5	22.82	22.73	22.72			
100	QPSK	1	1	23.10	23.10	23.10			
100	QPSK	1	137	23.18	23.06	23.01	24.0	0.0	
100	QPSK	1	271	23.00	23.01	22.99			
100	QPSK	135	5	22.44	22.34	22.31			
100	QPSK	135	69	22.92	22.22	22.21	24.0	0.0	
100	QPSK	135	135	22.32	22.20	22.19			
100	QPSK	270	5	22.16	22.20	22.10	23.0	1.0	
100	8QAM	1	1	22.48	22.36	22.34	23.0	1.0	
100	8QAM	1	1	21.08	20.96	20.94	21.5	2.5	
100	256QAM	1	1	18.89	18.76	18.74	10.5	4.5	
Channel				2441	2592.99	2644.98			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.16	23.13	23.08	24.0	0.0	
Channel				2532.01	2593.99	2645.98			
Frequency (MHz)				2536.02	2592.99	2644.98			
80	QPSK	1	1	23.19	23.05	23.05	24.0	0.0	
Channel				2531.01	2593.99	2645.98			
Frequency (MHz)				2531.01	2592.99	2645.98			
70	QPSK	1	1	23.19	23.10	23.09	24.0	0.0	
Channel				2529.01	2593.99	2645.98			
Frequency (MHz)				2529.01	2592.99	2644.98			
60	QPSK	1	1	23.21	23.14	23.08	24.0	0.0	
Channel				2525.01	2593.99	2645.98			
Frequency (MHz)				2525.01	2592.99	2644.98			
50	QPSK	1	1	23.19	23.14	23.07	24.0	0.0	
Channel				2516.01	2592.99	2645.98			
Frequency (MHz)				2516.01	2592.99	2645.98			
40	QPSK	1	1	23.23	23.11	23.06	24.0	0.0	
Channel				2522.01	2593.99	2645.98			
Frequency (MHz)				2511	2592.99	2644.98			
30	QPSK	1	1	23.25	23.08	23.02	24.0	0.0	
Channel				2520.01	2593.99	2645.98			
Frequency (MHz)				2506.02	2592.99	2644.98			
20	QPSK	1	1	23.19	23.15	23.08	24.0	0.0	

Par27Q n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332	633332	633332			
Frequency (MHz)				3499.98	3499.98	3499.98			
100	PQ2 BPSK	1	1	23.12					
100	PQ2 BPSK	1	137	23.18			24.0	0.0	
100	PQ2 BPSK	1	271	23.15					
100	PQ2 BPSK	135	5	23.05			23.5	0.5	
100	PQ2 BPSK	135	69	23.10			24.0	0.0	
100	PQ2 BPSK	135	135	23.17			23.5	0.5	
100	PQ2 BPSK	270	5	23.12					
100	QPSK	1	1	23.19					
100	QPSK	1	137	23.18			24.0	0.0	
100	QPSK	1	271	23.16					
100	QPSK	135	5	23.02					
100	QPSK	135	69	23.15			24.0	0.0	
100	QPSK	135	135	23.12					
100	QPSK	270	5	23.02			24.0	0.0	
100	8QAM	1	1	20.25			24.0	0.0	
100	8QAM	1	1	21.84			23.0	1.0	
100	256QAM	1	1	20.24			21.0	3.0	
Channel				633000	633110	633000			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	23.10	23.08	23.04	24.0	0.0	
Channel				632498	633110	633000			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	22.98	23.01	22.90	24.0	0.0	
Channel				632394	633110	633000			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	23.04	23.01	22.94	24.0	0.0	
Channel				632000	633110	633000			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	23.05	22.93	22.91	24.0	0.0	
Channel				631906	633110	633000			
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	22.98	23.00	22.93	24.0	0.0	
Channel				631814	633110	633000			
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	23.04	22.93	22.97	24.0	0.0	
Channel				631700	633110	633000			
Frequency (MHz)				3465	3499.98	3524.98			
30	QPSK	1	1	23.04	22.97	22.97	24.0	0.0	
Channel				631606	633110	633000			
Frequency (MHz)				3460.02	3499.98	3524			
20	QPSK	1	1	23.01	23.03	22.99	24.0	0.0	
Channel				631500	633110	633000			
Frequency (MHz)				3457.5	3499.98	3524.40			
15	QPSK	1	1	22.97	22.99	22.97	24.0	0.0	
Channel				631334	633110	633000			
Frequency (MHz)				3455.01	3499.98	3524.40			
10	QPSK	1	1	22.96	23.02	22.95	24.0	0.0	

Par27Q n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332	633332	633332			
Frequency (MHz)				3499.98	3499.98	3499.98			
100	PQ2 BPSK	1	1	19.90					
100	PQ2 BPSK	1	137	19.94			21.0	0.0	
100	PQ2 BPSK	1	271	19.91					
100	PQ2 BPSK	135	5	19.93			21.0	0.0	
100	PQ2 BPSK	135	69	19.88			21.0	0.0	
100	PQ2 BPSK	135	135	19.96			21.0	0.0	
100	PQ2 BPSK	270	5	19.85					
100	QPSK	1	1	20.00					
100	QPSK	1	137	19.97			21.0	0.0	
100	QPSK	1	271	19.85					
100	QPSK	135	5	19.81					
100	QPSK	135	69	19.97			21.0	0.0	
100	QPSK	135	135	19.79					
100	QPSK	270	5	19.73			21.0	0.0	
100	16QAM	1	1	19.75			21.0	0.0	
100	16QAM	1	1	18.46			19.0	2.0	
100	256QAM	1	1	17.21			17.5	3.5	
Channel				633000	633110	633000			
Frequency (MHz)				3485	3499.98	3504.98	Tune-up Int.	MPR	
90	QPSK	1	1	19.96	19.91	19.92	21.0	0.0	
Channel				632598	633110	633000			
Frequency (MHz)				3490.02	3499.98	3510	Tune-up Int.	MPR	
80	QPSK	1	1	19.92	19.83	19.92	21.0	0.0	
Channel				632494	633110	633000			
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up Int.	MPR	
70	QPSK	1	1	19.93	19.89	19.93	21.0	0.0	
Channel				632390	633110	633000			
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up Int.	MPR	
60	QPSK	1	1	19.95	19.90	19.96	21.0	0.0	
Channel				631868	633110	633000			
Frequency (MHz)				3478.52	3499.98	3521.48	Tune-up Int.	MPR	
50	QPSK	1	1	19.98	19.85	19.96	21.0	0.0	
Channel				631334	633110	633000			
Frequency (MHz)				3473.18	3499.98	3526.82	Tune-up Int.	MPR	
40	QPSK	1	1	19.98	19.80	19.98	21.0	0.0	
Channel				631000	633110	633000			
Frequency (MHz)				3469.98	3499.98	3530.02	Tune-up Int.	MPR	
30	QPSK	1	1	19.85	19.85	19.87	21.0	0.0	
Channel				630668	633110	633000			
Frequency (MHz)				3466.68	3499.98	3533.32	Tune-up Int.	MPR	
25	QPSK	1	1	19.90	19.91	19.92	21.0	0.0	
Channel				630500	633110	633000			
Frequency (MHz)				3465.00	3499.98	3534.98	Tune-up Int.	MPR	
15	QPSK	1	1	19.94	19.92	19.92	21.0	0.0	
Channel				630110	633110	633000			
Frequency (MHz)				3461.10	3499.98	3538.90	Tune-up Int.	MPR	
15	QPSK	1	1	19.94	19.88	19.88	21.0	0.0	



Par27Q n78_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332	3499.98			
100	PI2 BPSK	1	1		23.09			
100	PI2 BPSK	1	137		23.18		24.0	0.0
100	PI2 BPSK	1	271		23.17			
100	PI2 BPSK	135	0		23.02		23.5	0.5
100	PI2 BPSK	135	69		23.07		24.0	0.0
100	PI2 BPSK	135	135		23.08		23.5	0.5
100	PI2 BPSK	270	0		23.03			
100	QPSK	1	1		23.23			
100	QPSK	1	137		23.21		24.0	0.0
100	QPSK	1	271		23.20			
100	QPSK	135	0		23.06			
100	QPSK	135	69		23.12		24.0	0.0
100	QPSK	135	135		23.09			
100	QPSK	270	0		23.05		24.0	0.0
100	16QAM	1	1		23.22		24.0	0.0
100	64QAM	1	1		22.92		23.0	1.0
100	256QAM	1	1		20.63		21.0	3.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
90	QPSK	1	1	23.13	23.14	23.10	24.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
80	QPSK	1	1	23.08	23.09	23.12	24.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
70	QPSK	1	1	23.13	23.12	23.05	24.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
60	QPSK	1	1	23.18	23.16	23.07	24.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
50	QPSK	1	1	23.11	23.19	23.15	24.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
40	QPSK	1	1	23.12	23.12	23.05	24.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
30	QPSK	1	1	23.12	23.17	23.06	24.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
20	QPSK	1	1	23.08	23.16	23.12	24.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
15	QPSK	1	1	23.14	23.17	23.10	24.0	0.0
Channel								
Frequency (MHz)				63334	3499.98	63332	3499.98	MPR (dB)
10	QPSK	1	1	23.08	23.19	23.10	24.0	0.0

Par27Q n78_Ant 9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Intvl (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332	3499.98			
100	PI2 BPSK	1	1		20.96			
100	PI2 BPSK	1	137		20.85		22.0	0.0
100	PI2 BPSK	1	271		20.87			
100	PI2 BPSK	135	0		20.91		22.0	0.0
100	PI2 BPSK	135	69		20.85		22.0	0.0
100	PI2 BPSK	135	135		20.87		22.0	0.0
100	PI2 BPSK	270	0		20.91			
100	QPSK	1	1		21.00			
100	QPSK	1	137		20.94		22.0	0.0
100	QPSK	1	271		20.89			
100	QPSK	135	0		20.83			
100	QPSK	135	69		20.95		22.0	0.0
100	QPSK	135	135		20.90			
100	QPSK	270	0		20.78		22.0	0.0
100	16QAM	1	1		20.85		22.0	0.0
100	64QAM	1	1		19.27		20.5	1.5
100	256QAM	1	1		17.77		18.5	3.5
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
90	QPSK	1	1	20.93	20.99	20.99	22.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
80	QPSK	1	1	20.92	20.98	20.94	22.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
70	QPSK	1	1	20.96	20.87	20.95	22.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
60	QPSK	1	1	20.95	20.93	20.86	22.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
50	QPSK	1	1	20.95	20.90	20.85	22.0	0.0
Channel								
Frequency (MHz)				63331	3499.98	63331	3499.98	MPR (dB)
40	QPSK	1	1	20.94	20.98	20.85	22.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
30	QPSK	1	1	20.89	20.95	20.85	22.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
20	QPSK	1	1	20.89	20.94	20.82	22.0	0.0
Channel								
Frequency (MHz)				63330	3499.98	63330	3499.98	MPR (dB)
15	QPSK	1	1	20.86	20.96	20.86	22.0	0.0
Channel								
Frequency (MHz)				63334	3499.98	63332	3499.98	MPR (dB)
10	QPSK	1	1	20.87	20.97	20.86	22.0	0.0



Reduced Power Mode for DSI 2

GBM102_Ant 0		Back Average Power (dBm)			Front Average Power (dBm)		
Tx Channel		Limit			Limit		
Frequency (MHz)		804.2	836.4	868.8	804.2	836.4	868.8
GBM 1 Tx use		23.92	23.48	23.83	23.92	23.48	23.83
GPRS 1 Tx use		23.91	23.43	23.81	23.89	23.41	23.81
GPRS 2 Tx use		23.93	23.02	23.98	23.89	23.23	23.98
GPRS 3 Tx use		28.68	28.70	28.53	28.68	24.42	24.41
GPRS 4 Tx use		28.69	27.21	28.62	28.69	24.21	23.45
EDGE 1 Tx use		25.83	25.43	25.60	26.48	18.83	18.43
EDGE 2 Tx use		25.94	24.58	24.82	25.94	18.04	18.58
EDGE 3 Tx use		23.28	23.22	23.54	23.89	18.00	18.78
EDGE 4 Tx use		21.26	21.15	21.10	21.89	18.26	18.10

GBM100_Ant 2		Back Average Power (dBm)			Front Average Power (dBm)		
Tx Channel		852	881	895	852	881	895
Frequency (MHz)		852.2	880.2	895.2	852.2	880.2	895.2
GBM 1 Tx use		29.76	29.84	29.82	30.58	29.78	29.84
GPRS 1 Tx use		29.73	29.81	29.78	30.58	29.73	29.81
GPRS 3 Tx use		21.40	21.35	21.42	21.89	21.40	21.35
GPRS 5 Tx use		25.80	25.76	25.71	26.48	21.48	21.58
EDGE 1 Tx use		24.13	24.22	24.27	24.98	21.13	21.22
EDGE 2 Tx use		23.52	23.24	23.68	26.00	18.52	18.24
EDGE 3 Tx use		24.23	24.27	24.33	25.89	18.23	18.27
EDGE 5 Tx use		22.88	22.55	22.77	23.88	18.48	18.51
EDGE 6 Tx use		20.33	20.20	20.34	21.88	17.33	17.34

Band		WCDMA V_Ant 2			WCDMA V_Ant 1		
Tx Channel		9052	9436	9538	9052	9436	9538
Rx Channel		9052	9436	9538	9052	9436	9538
Frequency (MHz)		9052.4	9436.4	9538.4	9052.4	9436.4	9538.4
SCPP Rel 5G		22.94	23.09	22.98	24.00	18.23	18.25
SCPP Rel 5G		22.94	23.13	22.99	24.00	18.25	18.23
SCPP Rel 6		21.90	22.00	22.11	23.00	17.24	17.23
SCPP Rel 6		21.90	22.06	22.11	23.00	17.26	17.27
SCPP Rel 6		21.44	21.53	21.59	22.00	16.70	16.75
SCPP Rel 6		21.43	21.53	21.64	22.00	16.72	17.11
SCPP Rel 6		21.88	21.98	22.09	23.00	17.22	17.20
SCPP Rel 6		21.93	22.04	22.09	23.00	17.21	17.08
SCPP Rel 6		21.42	21.51	21.57	22.00	16.74	16.78
SCPP Rel 6		21.41	21.51	21.62	22.00	16.78	17.12
SCPP Rel 6		21.54	22.01	22.17	23.00	17.27	17.24
SCPP Rel 6		20.00	19.99	20.16	21.00	15.27	15.27
SCPP Rel 6		21.02	21.03	21.18	22.00	16.21	16.24
SCPP Rel 6		19.09	19.04	19.09	21.00	15.36	15.38
SCPP Rel 6		22.00	22.00	22.20	23.00	17.29	17.24

Band		WCDMA V_Ant 0			WCDMA V_Ant 1		
Tx Channel		4152	4162	4253	4152	4162	4253
Rx Channel		4152	4162	4253	4152	4162	4253
Frequency (MHz)		804.2	836.4	868.8	804.2	836.4	868.8
SCPP Rel 5G		22.93	22.94	22.88	24.00	22.88	22.97
SCPP Rel 5G		22.96	22.97	22.89	24.00	22.88	22.96
SCPP Rel 6		21.92	21.95	21.85	23.00	21.87	21.95
SCPP Rel 6		21.95	21.91	21.88	23.00	21.92	21.98
SCPP Rel 6		21.42	21.39	21.38	22.00	21.44	21.45
SCPP Rel 6		21.48	21.59	21.36	22.00	21.38	21.45
SCPP Rel 6		21.92	21.85	21.88	23.00	21.94	21.93
SCPP Rel 6		21.92	21.88	21.82	23.00	21.88	21.83
SCPP Rel 6		21.42	21.36	21.35	22.00	21.41	21.42
SCPP Rel 6		21.48	21.56	21.33	22.00	21.35	21.42
SCPP Rel 6		21.90	21.82	21.82	23.00	21.87	21.85
SCPP Rel 6		19.85	19.87	19.86	21.00	19.81	19.94
SCPP Rel 6		20.79	20.68	20.64	22.00	20.66	20.72
SCPP Rel 6		19.95	19.93	19.85	21.00	19.97	19.91
SCPP Rel 6		21.90	21.90	21.80	23.00	21.80	21.90

Band		WCDMA V_Ant 2			WCDMA V_Ant 1		
Tx Channel		1512	1413	1513	1512	1413	1513
Rx Channel		1512	1413	1513	1512	1413	1513
Frequency (MHz)		1512.4	1512.8	1513.6	1512.4	1512.8	1513.6
SCPP Rel 5G		22.95	22.95	22.73	24.00	18.93	17.09
SCPP Rel 5G		22.97	22.95	22.78	24.00	18.95	17.14
SCPP Rel 6		21.96	21.72	21.96	23.00	16.00	16.91
SCPP Rel 6		22.00	21.76	21.84	23.00	16.06	16.79
SCPP Rel 6		21.53	21.23	21.47	22.00	15.22	15.45
SCPP Rel 6		21.48	21.39	21.45	22.00	15.35	15.41
SCPP Rel 6		21.84	21.70	21.84	23.00	16.00	15.78
SCPP Rel 6		21.88	21.74	21.82	23.00	16.09	15.78
SCPP Rel 6		21.81	21.51	21.48	22.00	15.27	15.35
SCPP Rel 6		21.48	21.21	21.43	22.00	15.80	15.35
SCPP Rel 6		21.87	21.60	21.56	23.00	16.12	15.98
SCPP Rel 6		20.99	20.65	21.00	22.00	15.14	14.89
SCPP Rel 6		19.95	19.75	19.93	21.00	14.01	13.83
SCPP Rel 6		22.00	21.80	22.00	23.00	16.08	16.05



Band 2_Ant 2											
RF [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MVR (dB)			
Channel											
Frequency (MHz)				16700	16800	16900					
30	QPSK	1	0	22.87	22.89	22.93	24	0			
30	QPSK	1	40	22.86	22.88	22.80					
30	QPSK	1	80	22.73	22.74	22.68					
30	QPSK	50	0	22.41	22.47	22.53					
30	QPSK	50	24	22.36	22.45	22.30	23	1			
30	QPSK	50	48	22.30	22.40	22.28					
30	QPSK	100	0	22.23	22.31	22.20					
30	QPSK	100	0	22.21	22.12	22.18					
30	QPSK	1	0	22.21	22.07	22.16	23	1			
30	QPSK	1	99	22.15	22.06	22.10					
30	QPSK	50	0	22.04	22.15	22.07					
30	QPSK	50	24	22.07	22.09	22.17					
30	QPSK	50	48	21.99	22.08	22.10	23	1			
30	QPSK	100	0	22.04	22.05	22.10					
30	QPSK	100	0	22.07	22.15	22.17					
30	QPSK	1	99	21.88	21.99	22.07					
30	QPSK	50	0	21.92	21.93	21.90	22	2			
30	QPSK	50	24	21.99	22.08	22.10					
30	QPSK	50	48	21.90	22.07	22.17					
30	QPSK	100	0	21.84	21.93	21.17					
30	QPSK	100	0	18.89	18.90	18.91	19	5			
30	QPSK	1	49	18.72	18.77	18.71					
30	QPSK	1	99	18.82	18.85	18.83					
30	QPSK	50	0	18.80	18.90	18.85					
30	QPSK	50	24	18.79	18.82	18.80					
30	QPSK	50	48	18.80	18.87	18.84					
30	QPSK	100	0	18.72	18.80	18.72					
Frequency (MHz)				16700	16800	16900	Turn-on time (min)		MVR (dB)		
15	QPSK	1	0	22.68	22.63	22.70	24	0			
15	QPSK	1	37	22.64	22.60	22.68					
15	QPSK	1	75	22.62	22.58	22.65					
15	QPSK	36	0	22.33	22.28	22.33					
15	QPSK	36	36	22.31	22.28	22.38	23	1			
15	QPSK	75	0	22.38	22.32	22.43					
15	QPSK	1	0	22.30	22.18	22.11					
15	QPSK	1	0	22.27	22.28	22.25					
15	QPSK	1	74	22.23	22.06	22.17	23	1			
15	QPSK	36	0	22.20	22.07	22.08					
15	QPSK	36	36	22.08	22.07	22.06					
15	QPSK	36	36	22.05	21.99	22.14					
15	QPSK	75	0	22.08	22.03	22.16	23	1			
15	QPSK	75	0	22.16	22.10	22.18					
15	QPSK	1	74	22.05	22.14	22.29					
15	QPSK	1	74	21.94	22.04	22.09					
15	QPSK	36	0	21.96	21.90	22.15	22	2			
15	QPSK	36	36	21.93	21.90	22.11					
15	QPSK	75	0	21.98	22.02	22.15					
15	QPSK	1	0	18.54	18.77	18.96					
15	QPSK	1	37	18.39	18.73	18.98	19	5			
15	QPSK	1	75	18.81	18.81	18.72					
15	QPSK	36	0	18.77	18.89	18.80					
15	QPSK	36	36	18.77	18.73	18.79					
15	QPSK	75	0	18.81	18.74	18.82	19	5			
15	QPSK	36	0	18.74	18.86	18.76					
15	QPSK	36	36	18.77	18.73	18.79					
15	QPSK	1	74	18.72	18.77	18.71					
Frequency (MHz)				16800	16900	17100	Turn-on time (min)		MVR (dB)		
10	QPSK	1	0	22.81	22.77	22.96	24	0			
10	QPSK	1	12	22.86	22.88	22.83					
10	QPSK	1	12	22.73	22.76	22.78					
10	QPSK	26	0	22.50	22.38	22.46					
10	QPSK	26	12	22.53	22.46	22.47	23	1			
10	QPSK	26	12	22.43	22.40	22.42					
10	QPSK	50	0	22.51	22.44	22.45					
10	QPSK	1	0	22.39	22.41	22.48					
10	QPSK	1	49	22.34	22.14	22.48	23	1			
10	QPSK	26	0	22.27	22.12	22.18					
10	QPSK	26	12	22.21	22.21	22.23					
10	QPSK	50	0	22.21	22.18	22.21					
10	QPSK	1	0	22.21	22.28	22.40	23	1			
10	QPSK	1	25	22.16	22.12	22.20					
10	QPSK	26	0	22.16	22.10	22.25					
10	QPSK	26	12	22.16	22.10	22.21					
10	QPSK	1	49	22.27	22.22	22.26	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1	49	22.22	22.29	22.31	22	2			
10	QPSK	26	0	22.25	22.19	22.23					
10	QPSK	26	12	22.25	22.18	22.23					
10	QPSK	50	0	22.21	22.28	22.40					
10	QPSK	1	25	22.28	22.39	22.51	23	1			
10	QPSK	1	49	22.27	22.22	22.26					
10	QPSK	26	0	22.26	22.20	22.25					
10	QPSK	26	12	22.26	22.20	22.25					
10	QPSK	1									



Band 4_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tauaput (msec)	MPR (dB)				
Channel												
Frequency (MHz)				20050	20175	20300						
20	QPSK	1	0	17.20	17.23	17.60						
20	QPSK	1	40	15.84	16.06	15.88	17.2	0				
20	QPSK	1	80	15.86	16.05	15.88						
20	QPSK	50	0	15.85	16.02	15.93						
20	QPSK	50	24	15.83	15.98	15.88	17.2	0				
20	QPSK	50	48	15.82	15.99	15.90						
20	HQAM	1	0	15.82	15.93	15.83						
20	HQAM	1	40	15.80	15.91	15.81	17.2	0				
20	HQAM	1	80	15.79	15.90	15.80						
20	HQAM	50	0	15.77	15.88	15.85						
20	HQAM	50	24	15.76	15.89	15.86	17.2	0				
20	HQAM	50	48	15.75	15.90	15.88						
20	HQAM	100	0	15.79	15.94	15.90	17.2	0				
20	HQAM	100	0	15.78	15.95	15.83						
20	HQAM	100	0	15.80	15.93	15.82						
20	HQAM	1	40	15.81	15.92	15.85	17.2	0				
20	HQAM	1	80	15.74	15.98	15.83						
20	HQAM	50	0	15.78	15.90	15.81						
20	HQAM	50	24	15.83	15.97	15.85	17.2	0				
20	HQAM	50	48	15.82	15.99	15.92						
20	HQAM	100	0	15.79	15.95	15.92						
Channel												
Frequency (MHz)				20025	20175	20300	Tauaput (msec)	MPR (dB)				
15	QPSK	1	0	17.17	17.23	17.67						
15	QPSK	1	37	15.70	15.90	15.73	17.2	0				
15	QPSK	1	74	15.66	16.03	15.78						
15	QPSK	36	0	15.83	15.93	15.93						
15	QPSK	36	20	15.79	15.95	15.84	17.2	0				
15	QPSK	36	39	15.86	15.95	15.84						
15	HQAM	1	0	15.86	16.01	15.92	17.2	0				
15	HQAM	1	37	15.85	16.00	15.75						
15	HQAM	1	74	15.84	15.92	15.83						
15	HQAM	36	0	15.88	15.97	15.95						
15	HQAM	36	20	15.74	15.92	15.72	17.2	0				
15	HQAM	36	39	15.81	15.96	15.86						
15	HQAM	75	0	15.77	16.00	15.79						
15	HQAM	75	0	15.78	15.98	15.84						
15	HQAM	1	37	15.80	15.93	15.85	17.2	0				
15	HQAM	1	74	15.77	15.98	15.78						
15	HQAM	36	0	15.73	15.98	15.74						
15	HQAM	36	20	15.76	15.91	15.79	17.2	0				
15	HQAM	36	39	15.81	15.96	15.86						
15	HQAM	75	0	15.73	15.94	15.73						
15	HQAM	75	0	15.74	15.94	15.81						
15	HQAM	1	37	15.78	15.90	15.85	17.2	0				
15	HQAM	1	74	15.82	16.00	15.84						
15	HQAM	36	0	15.80	15.98	15.84						
15	HQAM	36	20	15.83	15.94	15.86	17.2	0				
15	HQAM	36	39	15.82	15.94	15.82						
15	HQAM	75	0	15.80	15.95	15.77						
Channel												
Frequency (MHz)				20000	20175	20300	Tauaput (msec)	MPR (dB)				
10	QPSK	1	0	17.15	17.23	17.67						
10	QPSK	1	25	15.75	15.95	15.75	17.2	0				
10	QPSK	1	49	15.86	16.04	15.84						
10	QPSK	12	0	15.84	15.93	15.93						
10	QPSK	12	6	15.85	15.97	15.85	17.2	0				
10	QPSK	25	0	15.77	15.97	15.88						
10	QPSK	25	6	15.80	15.96	15.84	17.2	0				
10	HQAM	1	0	15.79	16.06	15.80	17.2	0				
10	HQAM	1	25	15.78	16.05	15.87						
10	HQAM	1	49	15.82	16.05	15.89						
10	HQAM	12	0	15.82	15.95	15.85	17.2	0				
10	HQAM	12	6	15.83	15.96	15.86						
10	HQAM	25	0	15.74	15.94	15.77						
10	HQAM	25	6	15.79	15.94	15.86	17.2	0				
10	HQAM	50	0	15.82	15.98	15.81						
10	HQAM	50	0	15.83	15.98	15.81						
10	HQAM	25	12	15.73	15.94	15.76	17.2	0				
10	HQAM	25	12	15.74	15.94	15.86						
10	HQAM	50	0	15.82	15.98	15.81						
10	HQAM	50	0	15.83	15.98	15.81						
10	HQAM	1	25	15.86	16.04	15.96	17.2	0				
10	HQAM	1	49	15.79	16.04	15.96						
10	HQAM	12	0	15.80	15.98	15.84	17.2	0				
10	HQAM	12	6	15.81	15.98	15.84						
10	HQAM	25	12	15.86	16.07	15.83	17.2	0				
10	HQAM	25	12	15.85	15.99	15.83						
Channel												
Frequency (MHz)				19975	20175	20300	Tauaput (msec)	MPR (dB)				
5	QPSK	1	0	17.15	17.23	17.67						
5	QPSK	1	6	15.86	16.00	15.94	17.2	0				
5	QPSK	12	0	15.78	15.98	15.78						
5	QPSK	1	14	15.81	15.94	15.85						
5	QPSK	12	6	15.83	15.96	15.85	17.2	0				
5	QPSK	12	13	15.80	15.97	15.87						
5	QPSK	25	0	15.87	16.01	15.87						
5	HQAM	1	0	15.85	16.01	15.87	17.2	0				
5	HQAM	1	12	15.87	16.01	15.86						
5	HQAM	1	24	15.74	15.92	15.89						
5	HQAM	12	7	15.71	15.88	15.85	17.2	0				
5	HQAM	12	7	15.83	15.98	15.79						
5	HQAM	12	14	15.77	15.90	15.82						
5	HQAM	25	0	15.78	15.89	15.85						
5	HQAM	25	0	15.79	15.94	15.82						
5	HQAM	1	12	15.84	15.96	15.83	17.2	0				
5	HQAM	1	24	15.79	15.98	15.81						
5	HQAM	12	0	15.82	16.02	15.78						
5	HQAM	12	6	15.83	15.96	15.83	17.2	0				
5	HQAM	12	13	15.87	15.96	15.85						
5	HQAM	25	0	15.74	15.91	15.77						
5	HQAM	25	6	15.80	15.94	15.83	17.2	0				
5	HQAM	50	0	15.82	15.98	15.81						
5	HQAM	50	0	15.83	15.98	15.81						
5	HQAM	1	12	15.80	15.97	15.82	17.2	0				
5	HQAM	1	24	15.87	15.97	15.83						
5	HQAM	12	0	15.80	15.97	15.82						
5	HQAM	12	6	15.81	15.97	15.82						
5	HQAM	12	13	15.81	15.91	15.82	17.2	0				
5	HQAM	12	13	15.81	15.91	15.82						
5	HQAM	25	0	15.87	15.97	15.83						
Channel												
Frequency (MHz)				19965	20175	20300	Tauaput (msec)	MPR (dB)				
3	QPSK	1	0	17.15	17.23	17.67						
3	QPSK	1	6	15.86	16.00	15.94	17.2	0				
3	QPSK	12	0	15.78	15.98	15.78						
3	QPSK	1	14	15.81	15.94	15.85						
3	QPSK	12	6	15.83	15.96	15.85	17.2	0				
3	QPSK	12	13	15.80	15.97	15.87						
3	QPSK	25	0	15.87	16.01	15.87						
3	HQAM	1	0	15.85	16.01	15.87	17.2	0				
3	HQAM	1	6	15.86	16.00	15.94						
3	HQAM	1	14	15.81	15.94	15.85						
3	HQAM	12	0	15.78	15.98	15.78	17.2	0				
3	HQAM	12	6	15.74	15.96	15.84						
3	HQAM	1	14	15.74	15.87	15.78						
3	HQAM	1	14	15.80	15.93	15.86	17.2	0				
3	HQAM	12	0	15.81	15.95	15.85						
3	HQAM	12	6	15.82	15.96	15.81						
3	HQAM	1	14	15.81	15.91	15.88	17.2	0				
3	HQAM	1	6	15.83	15.95	15.78						
3	HQAM	1	14	15.82	15.93	15.78						
3	HQAM	12	0	15.80	15.96	15.86	17.2	0				
3	HQAM	12	6	15.88	15.95	15.82						
3	HQAM	1	14	15.78	15.87	15.85						
3	HQAM	1	14	15.81	15.93	15.83	17.2	0				
3	HQAM	12	0	15.80	15.93	15.83						
3	HQAM	12	6	15.81	15.93	15.86						
3	HQAM	1	14	15.81	15.91	15.82	17.2	0				
3	HQAM	1	6	15.82	15.90	15.88						
3	HQAM	1	14	15.81	15.93	15.86	17.2	0				
3	HQAM	12	0	15.80	15.93	15.83						
3	HQAM	12	6	15.81	15.93	15.86						
3	HQAM	1	14	15.81	15.91	15.82	17.2	0				
3	HQAM	1	6	15.82	15.90	15.88						
3	HQAM	1	14	15.81	15.93	15.86	17.2	0				
3	HQAM	12	0	15.80	15.93	15.83						
3	HQAM	12	6	15.81	15.93	15.86						
3	HQAM	1	14	15.81	15.91	15.82	17.2	0				
3	HQAM	1	6	15.82	15.90	15.88						
3	HQAM	1	14	15.81	15.93	15.86	17.2	0				
3	HQAM	12	0	15.80	15.93	15.83						
3	HQAM	12	6	15.81	15.93	15.86						
3	HQAM	1	14	15.81	15.91	15.82	17.2	0				
3	HQAM	1	6	15.82	15.90	15.88						
3	HQAM	1	14	15.81	15.93	15.86	17.2	0				
3	HQAM	12	0	15.80	15.93	15.83						
3	HQAM	12	6	15.81	15.93	15.86						
3	HQAM	1	14	15.81	15.91	15.82	17.2	0				
3	HQAM	1	6	15.82	15.90	15.						



Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lch / Freqs	Power Mch / Freqs	Power Hch / Freqs	Timeuse (int / dB)	MPR (dB)		
Channel										
Frequency (MHz)				2088	2150	2160				
20	QPSK	1	0	23.10	23.33	23.33				
20	QPSK	1	48	23.21	23.33	23.19	24	0		
20	QPSK	1	96	23.17	23.25	23.15				
20	QPSK	50	0	22.98	23.03	23.05				
20	QPSK	50	24	22.87	23.00	22.82	24	0		
20	QPSK	100	0	22.87	22.94	22.83				
20	HQAM	1	0	22.98	23.07	22.97				
20	HQAM	1	48	22.89	23.03	22.89	24	0		
20	HQAM	1	96	22.70	22.86	22.74				
20	HQAM	50	0	22.20	22.31	22.30				
20	HQAM	50	24	22.23	22.35	22.39	23	1		
20	HQAM	100	0	22.20	22.34	22.35				
20	HQAM	1	0	22.36	22.46	22.43				
20	HQAM	1	96	22.46	22.46	22.63				
20	HQAM	50	0	21.16	21.31	21.31				
20	HQAM	50	24	21.35	21.36	21.32	22	2		
20	HQAM	50	50	21.30	21.43	21.39				
20	HQAM	100	0	21.30	21.32	21.33				
20	SSBDM	1	0	18.60	18.70	18.70				
20	SSBDM	1	48	18.66	18.70	18.68	19	5		
20	SSBDM	1	96	18.74	18.75	18.71				
20	SSBDM	50	0	18.71	18.72	18.59				
20	SSBDM	50	24	18.67	18.60	18.76	19	5		
20	SSBDM	50	50	18.60	18.70	18.63				
20	SSBDM	100	0	18.60	18.77	18.75				
Channel										
Frequency (MHz)				2088	2150	2175	Timeuse (int / dB)	MPR (dB)		
15	QPSK	1	0	23.10	23.20	23.20				
15	QPSK	1	37	23.12	23.26	23.34	24	0		
15	QPSK	1	74	23.11	23.27	23.31				
15	QPSK	36	0	22.79	22.90	22.92				
15	QPSK	36	20	22.89	22.94	23.03	24	0		
15	QPSK	36	40	22.87	22.91	23.04				
15	HQAM	1	0	22.94	22.80	22.83				
15	HQAM	1	37	22.74	22.81	22.76	24	0		
15	HQAM	1	74	22.74	22.84	22.83				
15	HQAM	36	0	22.22	22.33	22.31				
15	HQAM	36	20	22.30	22.36	22.43	23	1		
15	HQAM	36	36	22.28	22.39	22.44				
15	HQAM	75	0	22.32	22.33	22.44				
15	HQAM	36	20	22.30	22.33	22.44				
15	HQAM	1	37	22.34	22.44	22.54	23	1		
15	HQAM	1	74	22.41	22.56	22.60				
15	HQAM	36	0	21.30	21.30	21.30				
15	HQAM	36	20	21.20	21.37	21.45	22	2		
15	HQAM	36	36	21.25	21.42	21.43				
15	HQAM	75	0	21.33	21.33	21.38				
15	SSBDM	1	0	18.50	18.72	18.71				
15	SSBDM	1	37	18.55	18.56	18.71	19	5		
15	SSBDM	1	74	18.60	18.70	18.64				
15	SSBDM	36	0	18.60	18.60	18.52				
15	SSBDM	36	20	18.57	18.58	18.74	19	5		
15	SSBDM	75	0	18.63	18.73	18.65				
Channel										
Frequency (MHz)				2088	2150	2160	Timeuse (int / dB)	MPR (dB)		
10	QPSK	1	0	23.20	23.29	23.20				
10	QPSK	1	25	23.29	23.11	23.12	24	0		
10	QPSK	1	50	23.03	23.03	23.15				
10	QPSK	25	0	22.93	23.03	23.17				
10	QPSK	25	12	23.03	23.06	23.21	24	0		
10	QPSK	25	25	23.03	23.06	23.17				
10	QPSK	50	0	23.00	23.02	23.15				
10	HQAM	1	0	23.05	22.98	23.06				
10	HQAM	1	25	23.11	23.08	23.11	24	0		
10	HQAM	1	48	22.98	23.13	23.10				
10	HQAM	25	0	22.40	22.46	22.59				
10	HQAM	25	12	22.50	22.54	22.60	23	1		
10	HQAM	25	25	22.40	22.58	22.62				
10	HQAM	50	0	22.43	22.46	22.58				
10	HQAM	1	0	22.50	22.58	22.73				
10	HQAM	1	25	22.54	22.60	22.74	23	1		
10	HQAM	1	48	22.57	22.66	22.66				
10	HQAM	25	0	21.30	21.49	21.57				
10	HQAM	25	12	21.44	21.48	21.58	22	2		
10	HQAM	25	25	21.47	21.50	21.60				
10	HQAM	50	0	21.46	21.47	21.55				
10	SSBDM	1	0	18.61	18.69	18.66				
10	SSBDM	1	25	18.46	18.60	18.54	19	5		
10	SSBDM	1	48	18.65	18.66	18.74				
10	SSBDM	25	0	18.60	18.70	18.65				
10	SSBDM	25	12	18.50	18.74	18.63	19	5		
10	SSBDM	25	25	18.53	18.69	18.59				
10	SSBDM	50	0	18.67	18.65	18.63				
Channel										
Frequency (MHz)				2077.5 <th>2150</th> <th>2142.5</th> <th>Timeuse (int / dB)</th> <th>MPR (dB)</th> <th colspan="2"></th>	2150	2142.5	Timeuse (int / dB)	MPR (dB)		
5	QPSK	1	0	22.80	23.00	23.04				
5	QPSK	1	12	22.97	23.07	23.18	24	0		
5	QPSK	1	24	22.93	23.04	23.15				
5	QPSK	12	0	22.85	23.01	23.10				
5	QPSK	12	7	23.03	23.15	23.25	24	0		
5	QPSK	12	13	22.80	23.11	23.18				
5	QPSK	25	0	22.80	23.00	23.09				
5	HQAM	1	0	22.93	23.08	23.07				
5	HQAM	1	12	23.04	23.09	23.23	24	0		
5	HQAM	1	24	23.02	23.07	23.22				
5	HQAM	12	0	22.40	22.44	22.50				
5	HQAM	12	7	22.47	22.61	22.66	23	1		
5	HQAM	12	13	22.40	22.58	22.64				
5	HQAM	25	0	22.40	22.47	22.48				
5	HQAM	1	0	22.51	22.71	22.73				
5	HQAM	1	12	22.69	22.73	22.75	23	1		
5	HQAM	1	24	22.54	22.65	22.79				
5	HQAM	12	5	21.46	21.47	21.53				
5	HQAM	12	7	21.47	21.63	21.64	22	2		
5	HQAM	12	13	21.44	21.58	21.63				
5	HQAM	25	0	21.41	21.46	21.49				
5	SSBDM	1	0	18.52	18.70	18.65				
5	SSBDM	1	12	18.49	18.68	18.60	19	5		
5	SSBDM	1	24	18.51	18.71	18.69				
5	SSBDM	12	0	18.60	18.60	18.55				
5	SSBDM	12	7	18.50	18.69	18.59				
5	SSBDM	12	13	18.51	18.61	18.56	19	5		
5	SSBDM	25	0	18.57	18.64	18.72				

Band 7_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lch / Freqs	Power Mch Ch / Freqs	Power Hch / Freqs	Time-use (int / dB)	MPR (dB)		
Channel										
Frequency (MHz)				20650	21100	21650				
20	QPSK	1	0	18.51	18.58	18.52				
20	QPSK	1	48	18.49	18.52	18.39	17.7	0		
20	QPSK	1	96	18.42	18.45	18.38				
20	QPSK	50	0	18.52	18.62	18.50				
20	QPSK	50	24	18.48	18.52	18.47	17.7	0		
20	QPSK	50	50	18.42	18.50	18.38				
20	QPSK	100	0	18.50	18.63	18.45				
20	HQAM	1	0	18.49	18.67	18.48				
20	HQAM	1	48	18.53	18.59	18.46	17.7	0		
20	HQAM	1	96	18.40	18.47	18.38				
20	HQAM	50	0	18.52	18.54	18.50				
20	HQAM	50	24	18.46	18.56	18.45	17.7	0		
20	HQAM	50	50	18.50	18.61	18.51				
20	HQAM	100	0	18.52	18.46	18.46				
20	GQAM	1	0	18.50	18.67	18.39				
20	GQAM	1	48	18.47	18.47	18.42	17.7	0		
20	GQAM	1	96	18.52	18.58	18.39				
20	GQAM	50	0	18.53	18.51	18.51				
20	GQAM	50	24	18.52	18.47	18.45	17.7	0		
20	GQAM	50	50	18.50	18.57	18.38				
20	GQAM	100	0	18.40	18.52	18.40				
20	SSBDM	1	0	18.40	18.58	18.42				
20	SSBDM	1	48	18.51	18.53	18.44	17.7	0		
20	SSBDM	1	96	18.43	18.55	18.37				
20	SSBDM	50	0	18.40	18.53	18.40				
20	SSBDM	50	24	18.42	18.46	18.40	17.7	0		
20	SSBDM	50	50	18.40	18.55	18.40				
20	SSBDM	100	0	18.54	18.54	18.50				
Channel										
Frequency (MHz)				20625	21100	21625	Time-use (int / dB)	MPR (dB)		
10	QPSK	1	0	18.57	18.57	18.57				
10	QPSK	1	37	18.47	18.59	18.31	17.7	0		
10	QPSK	1	74	18.32	18.43	18.42				
10	QPSK	36	0	18.53	18.63	18.53				
10	QPSK	36	20	18.44	18.44	18.34	17.7	0		
10	QPSK	36	59	18.33	18.48	18.27				
10	QPSK	72	0	18.48	18.60	18.48				
10	HQAM	1	0	18.42	18.64	18.37				
10	HQAM	1	37	18.52	18.60	18.37	17.7	0		
10	HQAM	1	74	18.38	18.45	18.38				
10	HQAM	36	0	18.48	18.59	18.39				
10	HQAM	36	20	18.35	18.55	18.37	17.7	0		
10	HQAM	36	59	18.41	18.47	18.29				
10	HQAM	72	0	18.54	18.47	18.43				
10	GQAM	1	0	18.51	18.62	18.35				
10	GQAM	1	37	18.47	18.61	18.29	17.7	0		
10	GQAM	1	74	18.36	18.43	18.36				
10	GQAM	36	0	18.44	18.55	18.35				
10	GQAM	36	20	18.35	18.55	18.36	17.7	0		
10	GQAM	36	59	18.40	18.46	18.28				
10	GQAM	72	0	18.37	18.47	18.36				
10	GQAM	72	20	18.38	18.48	18.29	17.7	0		
10	GQAM	72	59	18.35	18.52	18.30				
10	SSBDM	1	0	18.51	18.51	18.51				
10	SSBDM	1	37	18.47	18.51	18.39	17.7	0		
10	SSBDM	1	74	18.39	18.52	18.37				
10	SSBDM	36	0	18.48	18.59	18.39				
10	SSBDM	36	20	18.39	18.45	18.36	17.7	0		
10	SSBDM	36	59	18.44	18.53	18.35				
10	SSBDM	72	0	18.51	18.48	18.41				
Channel										
Frequency (MHz)				20600	21100	21600	Time-use (int / dB)	MPR (dB)		
10	QPSK	1	0	18.50	18.50	18.50				
10	QPSK	1	25	18.41	18.42	18.30	17.7	0		
10	QPSK	1	49	18.34	18.34	18.42				
10	QPSK	12	0	18.43	18.43	18.32				
10	QPSK	12	25	18.36	18.36	18.34	17.7	0		
10	QPSK	25	0	18.33	18.38	18.27				
10	QPSK	25	12	18.40	18.40	18.32	17.7	0		
10	HQAM	1	0	18.40	18.47	18.38				
10	HQAM	1	25	18.46	18.46	18.31	17.7	0		
10	HQAM	1	49	18.35	18.45	18.35				
10	HQAM	25	0	18.54	18.50	18.39				
10	HQAM	25	12	18.35	18.42	18.35	17.7	0		
10	HQAM	25	25	18.40	18.40	18.32				
10	HQAM	50	0	18.52	18.47	18.43				
10	GQAM	1	0	18.49	18.54	18.24				
10	GQAM	1	25	18.44	18.44	18.26	17.7	0		
10	GQAM	1	49	18.38	18.43	18.31				
10	GQAM	25	0	18.48	18.53	18.33				
10	GQAM	25	12	18.31	18.38	18.38				
10	GQAM	25	25	18.41	18.41	18.27	17.7	0		
10	GQAM	50	0	18.41	18.47	18.25				
10	GQAM	50	12	18.47	18.47	18.28	17.7	0		
10	SSBDM	1	0	18.50	18.50	18.50				
10	SSBDM	1	25	18.49	18.50	18.33	17.7	0		
10	SSBDM	1	49	18.38	18.51	18.29				
10	SSBDM	25	0	18.48	18.50	18.35				
10	SSBDM	25	12	18.29	18.50	18.36	17.7	0		
10	SSBDM	25	25	18.41	18.46	18.31				
10	SSBDM	50	0	18.51	18.46	18.31				
Channel										
Frequency (MHz)				20775	21100	21625	Time-use (int / dB)	MPR (dB)		
5	QPSK	1	0	18.53	18.53	18.53				
5	QPSK	1	12	18.48	18.47	18.30	17.7	0		
5	QPSK	1	24	18.36	18.31	18.43				
5	QPSK	12	0	18.47	18.47	18.31				
5	QPSK	12	7	18.37	18.40	18.46	17.7	0		
5	QPSK	12	19	18.35	18.40	18.26				
5	QPSK	24	0	18.40	18.40	18.31				
5	HQAM	1	0	18.40	18.50	18.38				
5	HQAM	1	12	18.36	18.46	18.33	17.7	0		
5	HQAM	1	24	18.30	18.40	18.30				
5	HQAM	12	0	18.50	18.40	18.46				
5	HQAM	12	7	18.37	18.50	18.41	17.7	0		
5	HQAM	12	19	18.33	18.47	18.31				
5	HQAM	24	0	18.53	18.42	18.40				
5	GQAM	1	0	18.44	18.53	18.27				
5	GQAM	1	12	18.33	18.33	18.21	17.7	0		
5	GQAM	1	24	18.48	18.53	18.37				
5	GQAM	12	0	18.39	18.41	18.42				
5	GQAM	12	7	18.42	18.42	18.28	17.7	0		
5	GQAM	12	19	18.41	18.46	18.36				
5	GQAM	24	0	18.42	18.36	18.36				
5	GQAM	24	7	18.47	18.41	18.41	17.7	0		
5	GQAM	24	19	18.40	18.42	18.43				
5	SSBDM	1	0	18.40	18.41	18.38				
5	SSBDM	1	12	18.41	18.50	18.26	17.7	0		
5	SSBDM	1	24	18.33	18.42	18.26				

Band 12_Ant 1												
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
				23060	23065	23115						
10	QPSK	1	0	22.41	22.42	22.38	24	0				
10	QPSK	1	25	22.35	22.39	22.28						
10	QPSK	1	40	22.25	22.26	22.24						
10	QPSK	25	0	22.35	22.33	21.95						
10	QPSK	25	12	22.08	22.09	21.94	23	1				
10	QPSK	25	25	22.03	22.05	21.87						
10	QPSK	50	0	22.07	22.08	22.00						
10	IQOAM	1	0	22.07	22.23	22.21						
10	IQOAM	1	25	22.15	22.28	22.25	23	1				
10	IQOAM	1	40	22.18	22.01	22.31						
10	IQOAM	25	0	20.95	20.99	20.97						
10	IQOAM	25	12	21.17	21.03	21.05						
10	IQOAM	25	25	21.08	21.10	21.05	22	2				
10	IQOAM	50	0	21.12	20.95	21.08						
10	IQOAM	1	0	21.12	21.34	21.51						
10	IQOAM	1	25	21.39	21.29	21.25						
10	IQOAM	1	40	20.84	21.30	21.17	22	2				
10	IQOAM	25	0	19.95	20.97	19.98						
10	IQOAM	25	12	20.18	20.09	20.10						
10	IQOAM	25	25	20.03	20.04	20.17						
10	25QOAM	1	0	18.00	18.12	17.97	19	5				
10	25QOAM	1	25	18.08	18.10	17.95						
10	25QOAM	1	40	17.95	18.08	17.97						
10	25QOAM	25	0	17.91	18.00	17.95						
10	25QOAM	25	12	17.95	18.05	17.90						
10	25QOAM	25	25	18.07	18.15	18.05						
10	25QOAM	50	0	18.02	18.11	18.01						
Channel												
Frequency (MHz)												
				23035	23055	23115	Tune-up (dB)	MPE (dB)				
5	QPSK	1	0	22.24	22.18	22.40	24	0				
5	QPSK	1	12	22.39	22.32	22.41						
5	QPSK	1	24	22.33	22.35	22.34						
5	QPSK	12	0	21.91	21.95	21.96						
5	QPSK	12	7	22.07	21.94	22.04	23	1				
5	QPSK	12	13	21.99	21.97	22.02						
5	QPSK	25	0	22.03	21.92	21.97						
5	IQOAM	1	0	22.15	22.10	22.19						
5	IQOAM	1	12	22.03	22.03	22.25	23	1				
5	IQOAM	1	24	22.17	22.31	22.40						
5	IQOAM	12	0	21.00	21.06	21.01						
5	IQOAM	12	7	21.23	21.14	21.04						
5	IQOAM	12	13	21.13	20.96	21.07	22	2				
5	IQOAM	25	0	21.08	21.13	20.98						
5	IQOAM	1	24	21.04	21.27	21.04						
5	IQOAM	1	12	20.97	21.18	21.22						
5	IQOAM	1	24	21.28	21.13	21.27	22	2				
5	IQOAM	12	0	18.80	18.95	18.85						
5	IQOAM	12	7	18.97	18.93	19.04						
5	IQOAM	12	13	20.13	20.06	20.24						
5	IQOAM	12	13	20.13	20.09	20.25	21	3				
5	25QOAM	1	0	17.88	18.07	17.92						
5	25QOAM	1	12	18.07	18.06	17.93						
5	25QOAM	1	24	17.93	17.95	17.91						
5	25QOAM	12	0	17.80	17.85	17.91	19	5				
5	25QOAM	12	7	17.85	17.85	17.83						
5	25QOAM	12	13	17.80	17.86	17.83						
5	25QOAM	25	0	18.00	18.09	17.93						
Channel												
Frequency (MHz)												
				23035	23055	23115	Tune-up (dB)	MPE (dB)				
3	QPSK	1	0	22.19	22.22	22.22	24	0				
3	QPSK	1	8	22.33	22.41	22.29						
3	QPSK	1	16	22.29	22.34	22.23						
3	QPSK	8	0	21.97	21.91	21.90						
3	QPSK	8	4	22.03	21.99	22.09	23	1				
3	QPSK	8	7	22.06	22.01	21.94						
3	QPSK	16	0	22.00	21.95	21.97						
3	IQOAM	1	0	22.06	21.92	22.10						
3	IQOAM	1	8	22.23	22.23	22.10	23	1				
3	IQOAM	1	14	22.09	22.18	22.33						
3	IQOAM	8	0	21.13	20.99	21.03						
3	IQOAM	8	4	21.02	21.11	21.10						
3	IQOAM	8	7	21.08	21.01	21.02	22	2				
3	IQOAM	15	0	21.03	20.96	20.97						
3	IQOAM	1	0	21.40	21.14	21.15						
3	IQOAM	1	8	21.26	21.13	21.01						
3	IQOAM	1	14	20.84	21.34	21.26	22	2				
3	IQOAM	8	0	19.99	19.99	19.79						
3	IQOAM	8	4	20.03	20.09	20.05						
3	IQOAM	8	7	19.97	19.96	19.92						
3	25QOAM	1	0	17.90	18.04	18.02	21	3				
3	25QOAM	1	0	17.90	18.05	17.85						
3	25QOAM	1	8	17.99	17.96	17.88						
3	25QOAM	1	14	17.85	17.96	17.91						
3	25QOAM	8	0	17.89	17.85	17.88	19	5				
3	25QOAM	8	4	17.91	17.94	17.78						
3	25QOAM	8	7	17.85	18.05	18.05						
3	25QOAM	15	0	17.94	18.08	17.92						
Channel												
Frequency (MHz)												
				23017	23055	23115	Tune-up (dB)	MPE (dB)				
1.4	QPSK	1	0	22.35	22.37	22.25	24	0				
1.4	QPSK	1	3	22.30	22.28	22.22						
1.4	QPSK	1	6	22.12	22.22	22.10						
1.4	QPSK	3	0	22.23	22.04	22.23						
1.4	QPSK	3	1	22.19	22.15	22.16	23	1				
1.4	QPSK	3	1	22.23	22.32	22.18						
1.4	QPSK	6	0	22.01	21.99	21.86						
1.4	IQOAM	1	0	21.92	22.14	22.08						
1.4	IQOAM	1	0	22.11	22.29	22.11	23	1				
1.4	IQOAM	1	5	22.10	21.94	22.20						
1.4	IQOAM	3	0	21.90	22.02	22.03						
1.4	IQOAM	3	1	22.06	22.24	22.03						
1.4	IQOAM	3	3	21.99	21.80	22.10	22	2				
1.4	IQOAM	6	0	20.97	20.81	21.00						
1.4	IQOAM	1	0	20.98	21.28	21.37						
1.4	IQOAM	1	3	21.30	21.09	21.16						
1.4	IQOAM	1	5	20.73	21.15	21.08	22	2				
1.4	IQOAM	3	0	20.51	20.67	20.55						
1.4	IQOAM	3	1	21.29	20.99	21.14						
1.4	IQOAM	3	1	20.88	21.06	20.95						
1.4	IQOAM	6	0	19.80	19.85	19.78	21	3				
1.4	25QOAM	1	0	17.99	18.10	17.83						
1.4	25QOAM	1	0	18.09	18.07	17.82						
1.4	25QOAM	1	5	17.85	17.94	17.88						
1.4	25QOAM	3	0	17.79	17.99	17.88	19	5				
1.4	25QOAM	3	0	17.85	17.93	17.85						
1.4	25QOAM	3	3	17.97	18.11	17.99						
1.4	25QOAM	6	0	17.86	17.98	17.91						

Band 13_Ant 0									
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MPE (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	0	23.35	23.35	23.35	24	0	
10	QPSK	1	25	23.34	23.24	23.24			
10	QPSK	1	49	23.34	23.24	23.24			
10	QPSK	1	73	23.34	23.27	23.27			
10	QPSK	25	12	23.59	23.59	23.59	24	0	
10	QPSK	25	25	23.61	23.61	23.61			
10	QPSK	25	49	23.61	23.61	23.61			
10	QPSK	25	73	23.58	23.58	23.58			
10	QPSK	1	0	23.28	23.28	23.28	23	1	
10	QPSK	1	25	23.11	23.11	23.11			
10	QPSK	1	49	23.30	23.30	23.30			
10	QPSK	1	73	23.59	23.59	23.59			
10	QPSK	25	12	23.44	23.44	23.44	23	1	
10	QPSK	25	25	23.46	23.46	23.46			
10	QPSK	25	49	23.46	23.46	23.46			
10	QPSK	25	73	23.51	23.51	23.51			
10	QPSK	50	0	23.56	23.56	23.56	23	1	
10	QPSK	1	0	23.40	23.40	23.40			
10	QPSK	1	25	23.53	23.53	23.53			
10	QPSK	1	49	23.87	23.87	23.87			
10	QPSK	25	12	23.87	23.87	23.87	22	2	
10	QPSK	25	25	23.87	23.87	23.87			
10	QPSK	25	49	23.87	23.87	23.87			
10	QPSK	25	73	23.85	23.85	23.85			
10	QPSK	50	0	23.90	23.90	23.90	19	5	
10	QPSK	1	0	23.85	23.85	23.85			
10	QPSK	1	25	23.88	23.88	23.88			
10	QPSK	1	49	23.88	23.88	23.88			
10	QPSK	25	12	23.87	23.87	23.87	19	5	
10	QPSK	25	25	23.85	23.85	23.85			
10	QPSK	25	49	23.85	23.85	23.85			
10	QPSK	25	73	23.95	23.95	23.95			
Channel									
Frequency [MHz]									
5	QPSK	1	0	23.75	23.75	23.75	24	0	
5	QPSK	1	12	23.04	23.04	23.03			
5	QPSK	1	24	22.91	22.98	22.98			
5	QPSK	1	36	23.05	23.05	23.03			
5	QPSK	12	7	23.06	23.08	23.05	24	0	
5	QPSK	12	19	23.01	23.01	22.99			
5	QPSK	12	31	23.05	23.01	23.01			
5	QPSK	12	43	23.27	23.10	23.31			
5	QPSK	1	0	23.27	23.10	23.31	24	0	
5	QPSK	1	12	23.09	23.20	23.14			
5	QPSK	1	24	22.99	23.02	23.03			
5	QPSK	12	0	22.88	22.82	22.80			
5	QPSK	12	7	22.69	22.74	22.73	23	1	
5	QPSK	12	19	22.66	22.68	22.64			
5	QPSK	25	0	22.81	22.57	22.64			
5	QPSK	1	0	22.80	22.77	22.78			
5	QPSK	12	12	22.81	22.80	22.87	23	1	
5	QPSK	12	24	22.73	22.79	22.78			
5	QPSK	12	0	21.57	21.59	21.58			
5	QPSK	12	12	21.66	21.71	21.68			
5	QPSK	12	18	21.66	21.66	21.65	22	2	
5	QPSK	25	0	21.66	21.53	21.52			
5	QPSK	1	0	18.82	18.88	18.87			
5	QPSK	1	12	18.80	18.84	18.74			
5	QPSK	12	18	18.86	18.80	18.81	19	5	
5	QPSK	12	30	18.82	18.82	18.81			
5	QPSK	12	7	19.92	19.91	19.94			
5	QPSK	12	19	18.80	18.75	18.78			



Band 17_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (dB)	MPE (dB)					
Channel				21780	21790	21800							
Frequency (MHz)				1860	1865	1866							
10	QPSK	1	0	22.36	22.39	22.39	24	0					
10	QPSK	1	25	22.27	22.32	22.28							
10	QPSK	1	49	22.31	22.35	22.35							
10	QPSK	25	0	22.11	22.14	22.12							
10	QPSK	25	12	22.10	21.98	22.01	23	1					
10	QPSK	25	25	22.09	22.08	22.07							
10	QPSK	50	0	22.01	22.05	22.07							
10	16QAM	1	0	22.06	22.23	22.30							
10	16QAM	1	0	22.10	22.20	22.26	23	1					
10	16QAM	1	49	22.38	22.30	22.34							
10	16QAM	25	0	22.02	21.91	21.98							
10	16QAM	25	12	21.92	21.85	21.91							
10	16QAM	50	0	21.98	21.90	21.98	22	2					
10	16QAM	50	0	21.92	21.85	21.91							
10	16QAM	1	25	21.14	21.13	21.11							
10	16QAM	1	49	21.19	21.23	21.03							
10	16QAM	25	0	20.94	20.99	20.98	21	3					
10	16QAM	25	12	20.99	20.10	20.94							
10	16QAM	50	0	20.98	20.92	20.94							
10	256QAM	1	0	18.17	18.18	18.06							
10	256QAM	1	25	18.01	18.13	18.05	19	5					
10	256QAM	1	49	18.11	18.05	18.12							
10	256QAM	25	0	18.00	18.14	18.04							
10	256QAM	25	12	18.10	18.10	18.11							
10	256QAM	50	0	18.04	18.17	18.03	19	5					
10	256QAM	50	12	18.04	18.17	18.03							
10	256QAM	50	0	18.08	18.20	18.07							
10	256QAM	50	12	18.08	18.20	18.07							
Channel				21790	21795	21801							
Frequency (MHz)				1865	1865	1865.5							
5	QPSK	1	0	22.30	22.30	22.31	24	0					
5	QPSK	1	12	22.30	22.31	22.34							
5	QPSK	1	24	22.18	22.20	22.29							
5	QPSK	12	0	22.00	21.99	21.96							
5	QPSK	12	7	22.08	22.11	22.04	23	1					
5	QPSK	12	13	22.11	22.04	22.04							
5	QPSK	25	0	22.04	21.98	21.98							
5	16QAM	1	0	22.28	22.10	22.01							
5	16QAM	1	12	22.23	22.10	22.29	23	1					
5	16QAM	1	24	22.33	22.09	22.33							
5	16QAM	12	0	21.02	21.02	21.08							
5	16QAM	12	7	21.14	20.97	20.99							
5	16QAM	12	13	21.13	21.09	21.13	22	2					
5	16QAM	25	0	20.98	21.04	20.90							
5	16QAM	25	0	21.08	21.34	21.05							
5	16QAM	1	12	21.33	21.20	21.34							
5	16QAM	1	24	21.04	21.06	21.00	22	2					
5	16QAM	1	24	21.04	21.06	21.00							
5	16QAM	12	7	20.96	20.95	20.90							
5	16QAM	12	13	20.99	20.98	20.94							
5	256QAM	1	0	18.02	18.10	18.04	19	5					
5	256QAM	1	12	17.89	18.05	18.03							
5	256QAM	1	49	18.07	18.10	18.10							
5	256QAM	12	0	17.86	18.13	17.89							
5	256QAM	12	7	18.14	18.06	18.06	19	5					
5	256QAM	12	13	17.95	18.09	17.97							
5	256QAM	25	0	17.85	18.08	17.85							
5	256QAM	25	0	17.85	18.08	17.85							

Band 25_Ant 2													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)					
Channel				21640	21640	21650							
Frequency (MHz)				1860	1865	1866							
20	QPSK	1	0	22.30	22.30	22.30	24	0					
20	QPSK	1	49	22.73	22.85	22.79							
20	QPSK	1	99	22.70	22.70	22.70							
20	QPSK	50	0	22.38	22.44	22.35							
20	QPSK	50	24	22.38	22.40	22.32	23	1					
20	QPSK	50	24	22.38	22.40	22.32							
20	QPSK	100	0	22.38	22.39	22.31							
20	16QAM	1	0	22.62	22.48	22.54							
20	16QAM	1	0	22.44	22.50	22.75	23	1					
20	16QAM	1	99	22.37	22.40	22.74							
20	16QAM	50	0	22.09	21.93	22.13							
20	16QAM	50	24	21.95	21.95	22.19							
20	16QAM	50	50	21.96	21.95	22.19	23	1					
20	16QAM	100	0	22.08	22.01	22.21							
20	16QAM	1	0	22.19	22.36	22.13							
20	16QAM	1	49	22.12	22.08	22.29							
20	16QAM	1	99	21.98	22.04	22.30	22	2					
20	16QAM	50	24	21.08	21.01	21.08							
20	16QAM	50	24	21.08	21.01	21.08							
20	16QAM	50	50	20.99	20.96	21.09							
20	256QAM	1	0	18.60	18.70	18.61	19	5					
20	256QAM	1	49	18.60	18.65	18.75							
20	256QAM	1	99	18.74	18.75	18.72							
20	256QAM	50	0	18.80	18.62	18.68							
20	256QAM	50	24	18.62	18.75	18.65	19	5					
20	256QAM	50	24	18.62	18.75	18.65							
20	256QAM	50	50	18.67	18.75	18.61							
20	256QAM	100	0	18.69	18.70	18.65							
Channel				21655	21640	21615							
Frequency (MHz)				1865	1865	1865.5							
15	QPSK	1	0	22.70	22.58	22.71	24	0					
15	QPSK	1	37	22.68	22.67	22.71							
15	QPSK	1	74	22.48	22.41	22.58							
15	QPSK	36	0	22.43	22.22	22.35							
15	QPSK	36	20	22.38	22.27	22.45	23	1					
15	QPSK	36	20	22.38	22.27	22.45							
15	QPSK	75	0	22.38	22.29	22.45							
15	16QAM	1	0	22.58	22.51	22.51							
15	16QAM	1	37	22.61	22.57	22.62	23	1					
15	16QAM	1	74	22.56	22.49	22.62							
15	16QAM	36	0	22.12	21.97	22.12							
15	16QAM	36	20	22.12	21.98	22.27							
15	16QAM	36	39	22.06	21.96	22.20	23	1					
15	16QAM	75	0	22.10	21.96	22.17							
15	16QAM	75	0	22.22	22.14	22.18							
15	16QAM	1	37	22.11	22.10	22.28							
15	16QAM	1	74	22.12	21.94	22.11	22	2					
15	16QAM	1	74	22.12	21.94	22.11							
15	16QAM	36	20	21.07	20.96	21.19							
15	16QAM	36	39	21.06	20.95	21.20							
15	256QAM	1	0	18.59	18.67	18.49	19	5					
15	256QAM	1	37	18.62	18.73	18.71							
15	256QAM	1	74	18.65	18.67	18.62							
15	256QAM	36		18.67	18.75	18.61	19	5					
15	256QAM	36	0	18.67	18.77	18.65							
15	256QAM	36	20	18.62	18.74	18.64							
15	256QAM	75	0	18.65	18.75	18.61	19	5					
15	256QAM	75	0	18.65	18.75	18.61							
15	256QAM	75	0	18.62	18.61	18.67							
Channel				21660	21640	21665							
Frequency (MHz)				1866	1865	1865.5							
10	QPSK	1	0	22.63	22.28	22.48	24	0					
10	QPSK	1	29	22.48	22.31	22.56							
10	QPSK	1	49	22.37	22.27	22.53							
10	QPSK	1	74	22.44	22.22	22.35							
10	QPSK	36	12	22.55	22.41	22.59	23	1					
10	QPSK	36	25	22.49	22.37	22.58							
10	QPSK	25	0	22.49	22.37	22.58							
10	16QAM	1	0	22.77	22.72	22.77							
10	16QAM	1	29	22.72	22.66	22.77	23	1					
10	16QAM	1	74	22.72	22.66	22.77							
10	16QAM	25	0	22.17	22.08	22.24							
10	16QAM	25	12	22.28	22.17	22.37							
10	16QAM	25	12	22.28	22.17	22.37	23	1					
10	16QAM	25	12	22.28	22.17	22.37							
10	16QAM	50	0	22.25	22.13	22.31							
10	16QAM	50	0	22.25	22.13	22.31							
10	16QAM	1	0	22.28	22.20	22.42	23	1					
10	16QAM	1	29	22.40	22.28	22.45							
10	16QAM	1	49	22.39	22.24	22.45							
10	16QAM	1	74	21.23	21.05	21.21							
10	16QAM	25	1	21.23	21.05	21.21	22	2					
10	16QAM	25	29	21.19	21.10	21.28							
10	16QAM	50	0	21.23	21.10	21.31							
10	16QAM	50	0	21.23	21.10	21.31							
10	256QAM	1	0	18.52	18.58	18.41	19	5					
10	256QAM	1	29	18.53	18.68	18.59							
10	256QAM	1	49	18.58	18.75	18.71							
10	256QAM	36		18.59	18.75	18.61	19	5					
10	256QAM	36	0	18.59	18.75	18.61							
10	256QAM	36	20	18.57	18.69	18.62							
10	256QAM	75	0	18.57	18.65	18.62	19	5					
10	256QAM	75	0	18.57	18.65	18.62							
10	256QAM	75	0	18.54	18.65	18.62							
Channel				21665	21640	21670							
Frequency (MHz)				1866.5	18640	18675							
5	QPSK	1	0	22.63	22.33	22.47	24	0					
5	QPSK	1	12	22.49	22.36	22.52							
5	QPSK	1	24	22.37	22.31	22.55							
5	QPSK	1	49	22.44	22.22	22.35							
5	QPSK	12	7	22.53	22.44	22.61	23	1					
5	QPSK	12	13	22.46	22.37	22.58							
5	QPSK	12	25	22.48	22.34	22.61							
5	16QAM	1	0	22.44	22.45	22.47							
5	16QAM	1	12	22.53	22.72	22.59	23	1					
5	16QAM	1	24	22.48	22.72	22.58							
5	16QAM	12	0	22.25	22.14	22.26							
5	16QAM	12	7	22.25	22.21	22.40							
5	16QAM	12	13	22.25	22.21	22.40	23	1					
5	16QAM	12	25	22.25	22.21	22.40							
5	16QAM	25	0	22.24	22.09	22.32							
5	16QAM	25	0	22.24	22.09	22.32							
5	16QAM	1	0	22.28	22.25	22.31	23	1					
5	16QAM	1	12	22.42	22.29	22.47							
5	16QAM	1	24	22.28	22.27	22.41							
5	16QAM	12	9	21.22	21.16	21.28							
5	16QAM	12	13	21.28	21.13	21.28	22	2					
5	16QAM	12	25	21.25	21.14	21.35							
5	16QAM	25	0	21.22	21.09	21.33							
5	16QAM	25	0	21.22	21.09	21.33							
5	256QAM	1	0	18.63	18.74	18.70	19	5					
5	256QAM	1	12	18.63	18.66	18.72							
5	256QAM	1	24	18.68	18.74	18.70							
5	256QAM	12	7	18.61	18.65	18.60	19	5					
5	256QAM	12	13	18.61	18.65	18.60							
5	256QAM	25	0	18.52	18.63	18.43							
Channel				21670	21640	21675							
Frequency (MHz)				1867.5	18640	18681							
14	QPSK	1	0	22.46	22.31	22.46	24	0					
14	QPSK	1	3	22.44	22.24	22.55							
14	QPSK	1	5	22.42	22.39	22.61							
14	QPSK	1	8	22.39	22.36	22.57							
14	QPSK	3	1	22.51	22.37	22.56	23	0					
14	QPSK	3	3	22.48	22.37	22.60							
14	QPSK	3	5	22.46	22.36	22.58							
14	16QAM	1	0	22.45	22.49	22.61							
14	16QAM	1	3	22.33	22.72	22.47	23	0					
14	16QAM	1	5	22.47	22.71	22.47							
14	16QAM	3	0	22.60	22.56	22.67							
14	16QAM	3	1	22.67	22.62	22.79							
14	16QAM	3	0	22.32	22.29	22.31	23	0					
14	16QAM	3	1	22.40	22.21	22.49							
14	16QAM	3	3	22.22	22.24	22.43							
14	16QAM	1	0	22.27	22.25	22.45							
14	16QAM	3	0	21.28	21.13	21.38	22	2					
14	16QAM	3	3	18.63	18.73	18.70							
14	256QAM	1	3	18.60	18.73	18.70							
14	256QAM	1	5	18.67	18.77	18.69							
14	256QAM	3	0	18.79	18.64	18.64	19	5					
14	256QAM	3	1	18.59	18.66	18.50							
14	256QAM	3	3	18.65	18.62	18.63							
14	256QAM	3	5	18.59	18.62	18.50	19	5					
14	256QAM	3	5	18.59	18.62	18.50							
14	256QAM	3	5	18.59	18.62	18.50							



Band 26(FCC)_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up rate [dB]	MPE [dB]			
Channel										Turn-up rate [dB]	
Frequency [MHz]										1715.5	
16	QPSK	1	0	22.55	22.58	22.61			24	0	
16	QPSK	1	37	22.75	22.78	22.80					
16	QPSK	1	74	22.95	22.98	23.00			24	0	
16	QPSK	36	0	22.90	22.98	23.00					
16	QPSK	36	20	22.55	22.58	22.59			24	0	
16	QPSK	36	36	22.40	22.43	22.32					
16	QPSK	75	0	22.53	22.57	22.58			24	0	
16	QPSK	75	1	0	22.51	22.58	22.62				
16	16QAM	1	37	22.85	22.75	22.55			24	0	
16	16QAM	1	74	22.99	22.98	22.91					
16	16QAM	36	0	21.82	21.67	21.58			23	1	
16	16QAM	36	20	21.84	21.70	21.54					
16	16QAM	75	0	21.78	21.62	21.53			23	1	
16	16QAM	75	1	21.76	21.63	21.59					
16	64QAM	1	37	21.76	21.63	21.78			23	1	
16	64QAM	1	74	21.80	21.56	21.53					
16	64QAM	36	0	20.79	20.67	20.57			22	2	
16	64QAM	36	20	20.82	20.62	20.48					
16	64QAM	75	0	20.82	20.67	20.54			22	2	
16	256QAM	1	0	18.74	18.75	18.70					
16	256QAM	1	37	18.72	18.80	18.85			19	5	
16	256QAM	1	74	18.80	18.82	18.81					
16	256QAM	36	0	18.67	18.73	18.65			19	5	
16	256QAM	36	20	18.79	18.80	18.75					
16	256QAM	75	0	18.76	18.80	18.75			19	5	
16	256QAM	75	1	18.75	18.83	18.78					
Channel										1811.5	
Frequency [MHz]										1811.5	
16	QPSK	1	0	22.78	22.78	22.80			24	0	
16	QPSK	1	25	22.64	22.72	22.88					
16	QPSK	1	49	22.53	22.63	22.81			24	0	
16	QPSK	25	0	22.46	22.61	22.44					
16	QPSK	25	12	22.50	22.51	22.37			24	0	
16	QPSK	25	26	22.39	22.37	22.55					
16	QPSK	50	0	22.43	22.53	22.16			24	0	
16	16QAM	1	0	22.74	22.63	22.55					
16	16QAM	1	25	22.73	22.71	22.58			24	0	
16	16QAM	1	49	22.50	22.44	22.47					
16	16QAM	25	0	21.69	21.63	21.51			23	1	
16	16QAM	25	12	21.73	21.67	21.44					
16	16QAM	25	25	21.76	21.51	21.45			23	1	
16	16QAM	50	0	21.70	21.63	21.42					
16	64QAM	1	25	21.69	21.78	21.66			23	1	
16	64QAM	1	25	21.66	21.71	21.58					
16	64QAM	1	49	21.86	21.49	21.50			22	2	
16	64QAM	25	0	20.79	20.60	20.47					
16	64QAM	25	12	20.81	20.54	20.47			22	2	
16	64QAM	25	25	20.71	20.58	20.43					
16	64QAM	50	0	20.71	20.57	20.34			19	5	
16	256QAM	1	0	18.69	18.72	18.56					
16	256QAM	1	25	18.66	18.72	18.59			19	5	
16	256QAM	1	49	18.74	18.81	18.77					
16	256QAM	25	0	18.52	18.67	18.52			19	5	
16	256QAM	25	12	18.67	18.63	18.43					
16	256QAM	25	25	18.51	18.73	18.66			19	5	
16	256QAM	50	0	18.68	18.81	18.67					
Channel										1740	
Frequency [MHz]										1811.5	
5	QPSK	1	0	22.82	22.86	22.81			24	0	
5	QPSK	1	12	22.61	22.67	22.80					
5	QPSK	1	24	22.66	22.63	22.83			24	0	
5	QPSK	12	0	22.57	22.66	22.50					
5	QPSK	12	7	22.51	22.47	22.39			24	0	
5	QPSK	12	14	22.38	22.40	22.21					
5	QPSK	25	0	22.52	22.54	22.28			24	0	
5	16QAM	1	0	22.74	22.75	22.53					
5	16QAM	1	12	22.71	22.68	22.46			24	0	
5	16QAM	1	24	22.52	22.48	22.44					
5	16QAM	12	0	21.67	21.61	21.56			23	1	
5	16QAM	12	7	21.69	21.68	21.52					
5	16QAM	12	13	21.72	21.55	21.46			23	1	
5	16QAM	25	0	21.62	21.66	21.38					
5	64QAM	1	0	21.67	21.78	21.65			23	1	
5	64QAM	1	12	21.61	21.76	21.72					
5	64QAM	1	24	21.66	21.42	21.49			22	2	
5	64QAM	12	0	20.64	20.62	20.35					
5	64QAM	12	7	20.72	20.59	20.45			22	2	
5	64QAM	12	13	20.69	20.47	20.46					
5	64QAM	25	0	20.69	20.55	20.38			19	5	
5	256QAM	1	0	18.60	18.60	18.59					
5	256QAM	1	12	18.66	18.76	18.64			19	5	
5	256QAM	1	24	18.71	18.72	18.68					
5	256QAM	12	0	18.62	18.70	18.56			19	5	
5	256QAM	12	7	18.67	18.79	18.66					
5	256QAM	12	13	18.51	18.73	18.74			19	5	
5	256QAM	25	0	18.81	18.75	18.61					
Channel										1811.5	
Frequency [MHz]										1811.5	
3	QPSK	1	0	22.76	22.78	22.77			24	0	
3	QPSK	1	8	22.63	22.67	22.54					
3	QPSK	1	14	22.65	22.68	22.53			24	0	
3	QPSK	8	0	22.49	22.55	22.52					
3	QPSK	8	4	22.52	22.47	22.41			24	0	
3	QPSK	8	7	22.39	22.32	22.34					
3	QPSK	15	0	22.42	22.47	22.17			24	0	
3	16QAM	1	0	22.72	22.74	22.52					
3	16QAM	1	8	22.74	22.72	22.54			24	0	
3	16QAM	1	14	22.56	22.43	22.38					
3	16QAM	8	0	21.79	21.61	21.53			23	1	
3	16QAM	8	4	21.74	21.68	21.47					
3	16QAM	8	7	21.63	21.56	21.52			23	1	
3	16QAM	15	0	21.79	21.66	21.43					
3	64QAM	1	0	21.63	21.62	21.67			23	1	
3	64QAM	1	8	21.72	21.70	21.70					
3	64QAM	1	14	21.68	21.52	21.46			22	2	
3	64QAM	8	0	20.73	20.68	20.55					
3	64QAM	8	4	20.68	20.65	20.39			22	2	
3	64QAM	8	7	20.76	20.57	20.41					
3	64QAM	15	0	20.79	20.64	20.42			19	5	
3	256QAM	1	0	18.72	18.74	18.61					
3	256QAM	1	8	18.68	18.70	18.59			19	5	
3	256QAM	1	14	18.68	18.67	18.65					
3	256QAM	8	0	18.69	18.65	18.53			19	5	
3	256QAM	8	7	18.61	18.75	18.71					
3	256QAM	15	0	18.74	18.73	18.65			19	5	
3	256QAM	15	8	18.73	18.73	18.72					
Channel										1740	
Frequency [MHz]										1811.5	
14	QPSK	1	0	22.42	22.52	22.54			24	0	
14	QPSK	1	3	22.63	22.55	22.28					
14	QPSK	1	5	22.94	22.50	22.30			24	0	
14	QPSK	3	0	22.77	22.52	22.35					
14	QPSK	3	1	22.83	22.52	22.31			24	0	
14	QPSK	3	3	22.71	22.59	22.36					
14	QPSK	3	5	22.72	22.43	22.32			24	0	
14	16QAM	1	0	22.78	22.68	22.54					
14	16QAM	1	3	22.82	22.72	22.55			24	0	
14	16QAM	3	0	22.62	22.58	22.31					
14	16QAM	3	1	22.79	22.60	22.42			24	0	
14	16QAM	3	3	22.68	22.48	22.48					
14	16QAM	6	0	22.09	21.72	21.73			23	1	
14	16QAM	6	1	21.83	21.97	21.94					
14	16QAM	6	2	21.98	21.84	21.84			23	1	
14	16QAM	6	4	22.16	21.68	21.61					
14	16QAM	3	0	22.14	21.70	21.60			23	1	
14	16QAM	3	1	22.05	21.76	21.69					
14	16QAM	3	3	22.01	21.93	21.81			22	2	
14	16QAM	6	0	21.71	21.70	21.68					
14	256QAM	1	0	18.71	18.70	18.68			19	5	
14	256QAM	1	3	18.67	18.65	18.55					
14	256QAM	1	5	18.77	18.72	18.67			19	5	
14	256QAM	1	6	18.59	18.61	18.54					
14	256QAM	1	1	18.72	18.78	18.58			19	5	
14	256QAM	1	2	18.75	18.74	18.74					
14	256QAM	6	0	18.73	18.73	18.72			19	5	

Band 26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up rate (dB)	MPE (dB)		
Channel										Turn-up rate (dB)
Frequency (MHz)										1811.5
16	QPSK	1	0	22.70	22.74	22.83			24	0
16	QPSK	1	34	22.65	22.65	22.65				
16	QPSK	1	68	22.60	22.60	22.60				
16	QPSK	36	20	22.17	22.20	22.20			23	1
16	QPSK	36	54	22.14	22.18	22.18				
16	QPSK	36	88	22.12	22.17	22.17				
16	QPSK	1	0	22.30	22.34	22.34			23	1
16	QPSK	1	34	22.31	22.34	22.32				
16	QPSK	1	68	22.32	22.32	22.32				
16	QPSK	36	20	21.19	21.21	21.21			22	2
16	QPSK	36	54	21.26	21.30	21.30				
16	QPSK	36	88	21.28	21.33	21.33				
16	QPSK	1	0	20.97	20.94	21.02			22	2
16	QPSK	1	34	21.06	21.08	21.08				
16	QPSK	1	68	21.08	21.10	21.10				
16	QPSK	1	74	21.26	21.05	21.05				
16	QPSK	36	20	20.17	20.07	20.07			21	3
16	QPSK	36	54	20.17	20.06	20.06				
16	QPSK	36	88	20.27	20.02	20.02				
16	QPSK	36	122	20.40	19.88	19.88				
16	QPSK	36	156	19.55	18.66	18.53			19	5
16	QPSK	1	74	18.48	18.57	18.48				
16	QPSK	1	108	18.42	18.51	18.42				
16	QPSK	36	20	18.52	18.55	18.52			19	5
16	QPSK	36	54	18.62	18.47	18.40				
16	QPSK	36	88	18.62	18.46	18.40				
16	QPSK	36	122	18.52	18.46	18.40				
16	QPSK	36	156	18.40	18.40	18.40				
Channel										Turn-up rate (dB)
Frequency (MHz)										1811.5
16	QPSK	1	20	22.71	22.64	22.62			24	0
16	QPSK	1	48	22.68	22.62	22.61				
16	QPSK	1	76	22.64	22.58	22.57				
16	QPSK	36	12	22.17	22.17	22.11			23	1
16	QPSK	36	48	22.26	22.13	22.01				
16	QPSK	36	84	22.27	22.10	22.14				
16	QPSK	1	0	22.71	22.39	22.60			23	1
16	QPSK	1	26	22.54	22.08	22.53				
16	QPSK	1	52	22.54	22.04	22.46				
16	QPSK	25	0	21.34	21.31	21.03			22	2
16	QPSK	25	12	21.33	21.23	21.25				
16	QPSK	25	24	21.37	21.26	21.28				
16	QPSK	50	0	21.31	21.28	21.13				
16	QPSK	1	0	21.48	21.21	21.19			22	2
16	QPSK	1	34	21.47	21.22	21.20				
16	QPSK	1	68	21.47	21.23	21.24				
16	QPSK	25	0	20.32	20.20	20.04			21	3
16	QPSK	25	12	20.30	20.18	20.19				
16	QPSK	25	24	20.22	20.15	20.09				
16	QPSK	50	0	20.30	20.27	20.16				
16	QPSK	50	12	19.98	19.81	19.81			19	5
16	QPSK	1	26	18.48	18.50	18.40				
16	QPSK	1	52	18.41	18.46	18.40				
16	QPSK	25	12	18.51	18.41	18.38			19	5
16	QPSK	25	24	18.42	18.43	18.38				
16	QPSK	25	48	18.42	18.43	18.38				
16	QPSK	50	0	18.44	18.44	18.40				
Channel										Turn-up rate (dB)
Frequency (MHz)										1811.5
8	QPSK	1	0	22.70	22.74	22.83			24	0
8	QPSK	1	14	22.39	22.70	22.70				
8	QPSK	1	28	22.38	22.50	22.50				
8	QPSK	1	42	22.38	22.42	22.42				
8	QPSK	12	7	22.42	22.34	22.12			23	1
8	QPSK	12	19	22.44	22.12	22.08				
8	QPSK	12	31	22.45	22.15	22.15				
8	QPSK	1	0	22.59	22.68	22.32			23	1
8	QPSK	1	12	22.51	22.69	22.61				
8	QPSK	1	24	22.52	22.66	22.66				
8	QPSK	12	0	21.40	21.17	21.10			22	2
8	QPSK	12	7	21.40	21.17	21.08				
8	QPSK	12	14	21.40	21.14	21.07				
8	QPSK	25	0	21.34	21.22	21.03				
8	QPSK	1	0	21.43	21.06	21.31			22	2
8	QPSK	1	12	21.42	21.05	21.21				
8	QPSK	1	24	21.35	20.95	21.21				
8	QPSK	12	9	20.31	20.25	20.04			21	3
8	QPSK	12	19	20.30	20.18	20.19				
8	QPSK	25	0	20.30	20.20	20.04				
8	QPSK	25	12	19.88	19.86	19.56			19	5
8	QPSK	1	12	18.40	18.40	18.40				
8	QPSK	1	24	18.36	18.47	18.42				
8	QPSK	12	18	18.45	18.45	18.40			19	5
8	QPSK	12	7	18.38	18.44	18.40				
8	QPSK	12	19	18.40	18.43	18.40				
8	QPSK	25	0	18.40	18.05	18.44			19	5
Channel										Turn-up rate (dB)
Frequency (MHz)										1811.5
3	QPSK	1	0	22.71	22.64	22.62			24	0
3	QPSK	1	14	22.29	22.54	22.39				
3	QPSK	1	28	22.15	22.05	22.05				
3	QPSK	8	4	22.33	22.15	22.08			23	1
3	QPSK	8	17	22.27	22.13	22.09				
3	QPSK	8	30	22.29	22.15	22.12				
3	QPSK	1	0	22.49	22.39	22.38			23	1
3	QPSK	1	8	22.56	21.96	21.07				
3	QPSK	1	16	22.49	22.00	21.07				
3	QPSK	8	0	21.41	21.04	21.08			22	2
3	QPSK	8	4	21.37	21.41	21.11				
3	QPSK	8	12	21.31	21.41	21.17				
3	QPSK	15	0	21.41	21.16	21.07				
3	QPSK	1	0	21.02	21.18	21.07			23	1
3	QPSK	1	8	21.00	21.19	21.29				
3	QPSK	1	14	20.91	21.00	21.15				
3	QPSK	8	0	20.50	20.08	19.87			21	3
3	QPSK	8	8	20.52	20.08	19.87				
3	QPSK	8	16	20.48	20.07	19.87				
3	QPSK	8	7	20.34	20.01	20.01				
3	QPSK	15	0	20.33	20.15	20.10				
3	QPSK	15	8	20.33	20.15	20.10				
3	QPSK	15	16	20.33	20.15	20.10				
3	QPSK	8	8	18.42	18.61	18.41			19	5
3	QPSK	8	16	18.45	18.45	18.41				
3	QPSK	8	24	18.45	18.47	18.41				
3	QPSK	8	4	18.45	18.40	18.36			19	5
3	QPSK	8	12	18.47	18.45	18.40				
3	QPSK	15	0	18.39	18.06	18.02				
Channel										Turn-up rate (dB)
Frequency (MHz)										1811.5
14	QPSK	1	0	22.72	22.63	22.61			24	0
14	QPSK	1	3	22.57	22.63	22.53				
14	QPSK	1	5	22.45	22.59	22.39				
14	QPSK	1	7	22.44	22.58	22.39				
14	QPSK	3	1	22.46	22.63	22.41			23	1
14	QPSK	3	3	22.33	22.58	22.44				
14	QPSK	3	5	22.29	22.09	21.80				
14	QPSK	1	0	22.27	22.12	22.12			22	2
14	QPSK	1	3	22.22	22.24	22.07				
14	QPSK	1	5	22.18	22.03	22.04				
14	QPSK	3	0	22.27	22.02	22.16				
14	QPSK	3	1	22.07	22.18	22.03				
14	QPSK	3	3	22.03	21.85	21.93				
14	QPSK	8	0	21.08	21.01	20.94			22	2
14	QPSK	1	0	20.92	20.87	21.02				
14	QPSK	1	3	20.91	20.84	20.99				
14	QPSK	1	5	20.91	20.84	20.97				
14	QPSK	3	0	21.03	20.66	20.71			21	3
14	QPSK	3	3	20.22	19.84	19.80				
14	QPSK	3	5	20.22	19.84	19.80				
14	QPSK	8	0	18.40	18.44	18.41			19	5
14	QPSK	8	3	18.43	18.50	18.50				
14	QPSK	8	6	18.46	18.41	18.41				
14	QPSK	3	3	18.38	18.00	18.48				
14	QPSK	3	1	18.37	18.42	18.46				
14	QPSK	8	0	18.40	18.40	18.40				
14	QPSK	8	0	18.50	18.50	18.35			19	5



Band 66_Ant 1														
WV (MHz)	Modulation	RE Bin	RB Offset	Power Low Ch.1/Freq.	Power Middle Ch.2/Freq.	Power High Ch.3/Freq.	Time-use int (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
130202 130222 130232														
20	QPSK	1	0	15.72	15.60	15.60	17.2	0						
20	QPSK	1	40	15.73	15.77	15.77								
20	QPSK	1	80	15.69	15.83	15.76								
20	QPSK	50	0	15.71	15.80	15.66								
20	QPSK	50	24	15.75	15.66	15.66	17.2	0						
20	QPSK	50	50	15.71	15.80	15.66								
20	QPSK	100	0	15.60	15.77	15.66								
20	16QAM	1	0	15.71	15.60	15.66								
20	16QAM	1	40	15.40	15.58	15.74	17.2	0						
20	16QAM	1	80	15.64	15.76	15.82								
20	16QAM	50	0	15.71	15.79	15.61								
20	16QAM	50	24	15.40	15.67	15.60								
20	16QAM	50	50	15.67	15.61	15.63	17.2	0						
20	16QAM	100	0	15.72	15.64	15.64								
20	16QAM	1	0	15.70	15.62	15.50								
20	16QAM	1	40	15.74	15.79	15.64								
20	16QAM	1	80	15.63	15.72	15.72	17.2	0						
20	16QAM	50	0	15.70	15.74	15.69								
20	16QAM	50	24	15.73	15.76	15.56								
20	16QAM	50	50	15.74	15.61	15.54								
20	16QAM	100	0	15.72	15.70	15.65	17.2	0						
20	256QAM	1	0	15.61	15.76	15.57								
20	256QAM	1	40	15.76	15.70	15.74								
20	256QAM	1	80	15.63	15.60	15.53								
20	256QAM	50	0	15.61	15.63	15.70	17.2	0						
20	256QAM	50	24	15.66	15.61	15.72								
20	256QAM	50	50	15.77	15.73	15.69								
20	256QAM	100	0	15.64	15.63	15.64								
Channel														
Frequency (MHz)														
130202 130222 130232														
15	QPSK	1	0	15.74	15.62	15.62	17.2	0						
15	QPSK	1	37	15.67	15.69	15.54								
15	QPSK	1	74	15.63	15.73	15.67								
15	QPSK	36	0	15.69	15.77	15.67								
15	QPSK	36	20	15.61	15.53	15.52	17.2	0						
15	QPSK	36	39	15.48	15.77	15.57								
15	QPSK	75	0	15.58	15.75	15.57								
15	16QAM	1	0	15.60	15.45	15.56								
15	16QAM	1	37	15.62	15.59	15.47	17.2	0						
15	16QAM	1	74	15.51	15.72	15.54								
15	16QAM	36	0	15.62	15.76	15.49								
15	16QAM	36	20	15.70	15.65	15.59								
15	16QAM	36	39	15.57	15.79	15.51	17.2	0						
15	16QAM	75	0	15.71	15.63	15.60								
15	16QAM	1	0	15.59	15.71	15.49								
15	16QAM	1	37	15.72	15.64	15.57								
15	16QAM	1	74	15.40	15.67	15.61	17.2	0						
15	16QAM	36	0	15.62	15.59	15.55								
15	16QAM	36	20	15.60	15.70	15.47								
15	16QAM	36	39	15.58	15.75	15.51								
15	16QAM	75	0	15.50	15.62	15.57	17.2	0						
15	256QAM	1	0	15.50	15.63	15.42								
15	256QAM	1	37	15.71	15.56	15.73								
15	256QAM	1	74	15.40	15.46	15.43								
15	256QAM	36	0	15.70	15.79	15.60	17.2	0						
15	256QAM	36	20	15.66	15.70	15.66								
15	256QAM	36	39	15.68	15.72	15.54								
15	256QAM	75	0	15.50	15.62	15.57								
Channel														
Frequency (MHz)														
130202 130222 130232														
10	QPSK	1	0	15.75	15.67	15.72	17.2	0						
10	QPSK	1	25	15.64	15.74	15.55								
10	QPSK	1	49	15.60	15.73	15.68								
10	QPSK	25	0	15.70	15.62	15.63								
10	QPSK	25	12	15.67	15.67	15.64	17.2	0						
10	QPSK	25	24	15.48	15.79	15.78								
10	QPSK	50	0	15.59	15.62	15.51								
10	16QAM	1	0	15.60	15.46	15.57								
10	16QAM	1	25	15.40	15.55	15.65	17.2	0						
10	16QAM	1	49	15.60	15.70	15.47								
10	16QAM	25	0	15.64	15.73	15.49								
10	16QAM	25	12	15.60	15.58	15.54								
10	16QAM	25	25	15.63	15.69	15.55	17.2	0						
10	16QAM	50	0	15.60	15.76	15.52								
10	16QAM	1	0	15.60	15.74	15.38								
10	16QAM	1	25	15.70	15.67	15.56								
10	16QAM	1	49	15.61	15.71	15.60	17.2	0						
10	16QAM	25	0	15.74	15.67	15.63								
10	16QAM	25	12	15.60	15.66	15.46								
10	16QAM	25	25	15.66	15.60	15.46								
10	16QAM	50	0	15.59	15.57	15.53	17.2	0						
10	256QAM	1	0	15.50	15.62	15.42								
10	256QAM	1	49	15.75	15.55	15.59								
10	256QAM	1	49	15.50	15.50	15.40								
10	256QAM	25	0	15.72	15.69	15.59	17.2	0						
10	256QAM	25	12	15.59	15.67	15.52								
10	256QAM	25	25	15.62	15.67	15.45								
10	256QAM	50	0	15.50	15.56	15.73								
Channel														
Frequency (MHz)														
131197 131222 131232														
5	QPSK	1	0	15.73	15.67	15.67	17.2	0						
5	QPSK	1	12	15.62	15.67	15.53								
5	QPSK	1	24	15.65	15.71	15.63								
5	QPSK	12	0	15.73	15.65	15.62								
5	QPSK	12	7	15.71	15.59	15.65	17.2	0						
5	QPSK	12	13	15.57	15.78	15.69								
5	QPSK	25	0	15.48	15.75	15.51								
5	16QAM	1	0	15.58	15.54	15.54								
5	16QAM	1	12	15.40	15.63	15.44	17.2	0						
5	16QAM	1	24	15.40	15.66	15.52								
5	16QAM	12	0	15.70	15.72	15.60								
5	16QAM	12	7	15.70	15.68	15.54								
5	16QAM	12	13	15.60	15.72	15.52	17.2	0						
5	16QAM	25	0	15.60	15.73	15.61								
5	16QAM	1	0	15.62	15.77	15.48								
5	16QAM	1	12	15.58	15.73	15.57	17.2	0						
5	16QAM	1	24	15.60	15.70	15.60								
5	16QAM	12	0	15.63	15.64	15.56								
5	16QAM	12	7	15.69	15.68	15.48								
5	16QAM	25	0	15.50	15.52	15.50	17.2	0						
5	16QAM	25	0	15.50	15.52	15.50								
5	16QAM	12	13	15.72	15.69	15.42								
5	16QAM	25	0	15.61	15.59	15.48								
5	16QAM	25	0	15.50	15.52	15.50								
5	256QAM	1	12	15.64	15.62	15.73	17.2	0						
5	256QAM	1	24	15.60	15.60	15.48								
5	256QAM	12	0	15.68	15.76	15.57								
5	256QAM	12	7	15.50	15.58	15.48								
5	256QAM	25	0	15.59	15.57	15.56	17.2	0						
5	256QAM	25	0	15.59	15.57	15.56								
5	256QAM	25	13	15.55	15.55	15.53								
5	256QAM	25	0	15.55	15.55	15.53								
Channel														
Frequency (MHz)														
131197 131222 131232														
3	QPSK	1	0	15.73	15.67	15.67	17.2	0						
3	QPSK	1	8	15.63	15.63	15.51								
3	QPSK	1	14	15.66	15.65	15.58								
3	QPSK	8	0	15.66	15.68	15.57								
3	QPSK	8	7	15.73	15.59	15.58	17.2	0						
3	QPSK	8	7	15.62	15.79	15.51								
3	QPSK	8	7	15.51	15.66	15.53								
3	16QAM	1	0	15.58	15.48	15.48								
3	16QAM	1	8	15.52	15.60	15.72	17.2	0						
3	16QAM	8	0	15.56	15.67	15.47								
3	16QAM	8	0	15.76	15.53	15.54								
3	16QAM	8	0	15.74	15.73	15.47								
3	16QAM	15	0	15.62	15.79	15.62	17.2	0						
3	16QAM	1	0	15.69	15.69	15.38								
3	16QAM	1	8	15.71	15.74	15.47								
3	16QAM	1	14	15.55	15.63	15.64								
3	16QAM	8	0	15.73	15.59	15.60	17.2	0						
3	16QAM	8	0	15.73	15.59	15.60								
3	16QAM	8	0	15.73	15.59	15.60								
3	16QAM	8	0	15.73	15.59	15.60								
3	16QAM	8	7	15.68	15.79	15.45	17.2	0						
3	16QAM	15	0	15.60	15.68	15.48								
3	16QAM	1	8	15.70	15.63	15.70								
3	16QAM	1	14	15.61	15.53	15.49								
3	16QAM	1	15	15.73	15.76	15.47	17.2	0						
3	16QAM	8	7	15.63	15.77	15.57								
3	16QAM	8	7	15.66	15.67	15.50								
3	256QAM	15	0	15.60	15.60	15.63								
Channel														
Frequency (MHz)														
131197 131222 131232														
1.4	QPSK	1	0	15.73	15.67	15.67	17.2	0						
1.4	QPSK	1	3	15.70	15.65	15.65								
1.4	QPSK	1	8	15.66	15.68	15.54								
1.4	QPSK	3	0	15.68	15.67	15.67								
1.4	QPSK	3	1	15.71	15.53	15.65	17.2	0						
1.4	QPSK	3	3	15.68	15.70	15.64								
1.4	16QAM	1	0	15.60	15.56	15.56								
1.4	16QAM	1	3	15.53	15.61	15.68								
1.4	16QAM	1	3	15.60	15.63	15.63	17.2	0						
1.4	16QAM	3	0	15.63	15.68	15.58								
1.4	16QAM	3	1	15.69	15.52	15.59								
1.4	16QAM	3	1	15.68	15.68	15.48								
1.4	16QAM	6	0	15.59	15.72	15.61	17.2	0						
1.4	16QAM	6	0	15.69	15.67	15.58								
1.4	16QAM	6	0	15.70	15.70	15.44								
1.4	16QAM	6	0	15.60	15.70	15.66								
1.4	16QAM	3	0	15.69	15.63	15.67	17.2	0						
1.4	16QAM	3	0	15.68	15.73	15.49								
1.4	16QAM	3	0	15.68	15.76	15.41								
1.4	16QAM	6	0	15.65	15.67	15.43								
1.4	16QAM	6	0	15.67	15.68	15.47	17.2	0						
1.4	16QAM	3	1	15.71	15.62	15.72								
1.4	16													



Band 38_Ant 2									
RF [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turnup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	5	22.88	22.95	22.96			
20	QPSK	1	49	22.85	22.84	22.79	24	0	
20	QPSK	1	96	22.82	22.78	22.74			
20	QPSK	50	5	22.84	22.88	22.92			
20	QPSK	50	24	22.78	22.71	22.71	24	0	
20	QPSK	50	50	22.87	22.71	22.65			
20	QPSK	100	5	22.72	22.75	22.68			
20	16QAM	1	5	22.82	22.85	22.85	24	0	
20	16QAM	1	49	22.78	22.73	22.65			
20	16QAM	1	99	22.74	22.65	22.68			
20	16QAM	50	5	22.81	22.49	22.37			
20	16QAM	50	24	22.54	22.42	22.35	23	1	
20	16QAM	50	50	22.56	22.50	22.35			
20	16QAM	100	5	22.54	22.42	22.35			
20	64QAM	1	49	22.81	22.49	22.35			
20	64QAM	1	99	22.57	22.44	22.35	24	2	
20	64QAM	50	5	21.57	21.49	21.35			
20	64QAM	50	24	21.56	21.41	21.40			
20	64QAM	50	50	21.56	21.46	21.25	22	2	
20	64QAM	100	5	21.54	21.45	21.35			
20	256QAM	1	0	19.17	19.30	19.25			
20	256QAM	1	49	19.34	19.40	19.38	21	3	
20	256QAM	1	99	19.22	19.32	19.15			
20	256QAM	50	5	19.15	19.28	19.17			
20	256QAM	50	24	19.18	19.35	19.22	21	3	
20	256QAM	50	50	19.24	19.33	19.15			
20	256QAM	100	0	19.28	19.38	19.32			
Channel									
Frequency (MHz)									
18	QPSK	1	5	22.74	22.75	22.58			
18	QPSK	1	37	22.75	22.81	22.75	24	0	
18	QPSK	1	74	22.73	22.72	22.61			
18	QPSK	36	0	22.79	22.68	22.51			
18	QPSK	36	20	22.65	22.58	22.68	24	0	
18	QPSK	36	36	22.54	22.62	22.68			
18	QPSK	75	0	22.73	22.68	22.62			
18	16QAM	1	5	22.70	22.52	22.63			
18	16QAM	1	37	22.65	22.65	22.10	24	0	
18	16QAM	1	74	22.71	22.54	22.59			
18	16QAM	36	0	22.55	22.44	22.30			
18	16QAM	36	20	22.44	22.38	22.30	23	1	
18	16QAM	36	36	22.52	22.44	22.21			
18	16QAM	75	0	22.51	22.27	22.26			
18	64QAM	1	74	22.48	22.34	22.17			
18	64QAM	1	37	22.47	22.50	22.40	23	1	
18	64QAM	1	74	22.56	22.32	22.31			
18	64QAM	36	0	21.43	21.38	21.35			
18	64QAM	36	20	21.45	21.27	21.21	22	2	
18	64QAM	36	36	21.44	21.42	21.14			
18	64QAM	75	0	21.52	21.38	21.35			
18	256QAM	1	0	19.06	19.25	19.14			
18	256QAM	1	37	19.21	19.33	19.24	21	3	
18	256QAM	1	74	19.18	19.18	19.15			
18	256QAM	36	0	19.09	19.15	19.14			
18	256QAM	36	20	19.05	19.32	19.15	21	3	
18	256QAM	75	0	19.20	19.25	19.17			
Channel									
Frequency (MHz)									
10	QPSK	1	5	22.74	22.73	22.59			
10	QPSK	1	25	22.79	22.83	22.75	24	0	
10	QPSK	1	49	22.81	22.63	22.72			
10	QPSK	25	0	22.80	22.74	22.44			
10	QPSK	25	12	22.75	22.58	22.68	24	0	
10	QPSK	25	24	22.66	22.12	22.34			
10	QPSK	50	0	22.71	22.67	22.58			
10	16QAM	1	5	22.81	22.57	22.64	24	0	
10	16QAM	1	25	22.75	22.65	22.53			
10	16QAM	1	49	22.71	22.61	22.60			
10	16QAM	25	0	22.57	22.49	22.30			
10	16QAM	25	12	22.43	22.34	22.32	23	1	
10	16QAM	25	25	22.54	22.49	22.20			
10	16QAM	50	0	22.49	22.29	22.17			
10	64QAM	1	5	22.54	22.33	22.18			
10	64QAM	1	25	22.56	22.56	22.25	23	1	
10	64QAM	1	49	22.45	22.31	22.15			
10	64QAM	25	0	21.53	21.45	21.22			
10	64QAM	25	12	21.44	21.38	21.15	22	2	
10	64QAM	50	0	21.43	21.39	21.21			
10	256QAM	1	0	19.14	19.18	19.08			
10	256QAM	1	25	19.33	19.32	19.21	21	3	
10	256QAM	1	49	19.09	19.23	19.14			
10	256QAM	25	0	19.01	19.25	19.15			
10	256QAM	25	12	19.25	19.22	19.11	21	3	
10	256QAM	25	25	19.19	19.20	19.04			
10	256QAM	50	0	19.19	19.30	19.27			
Channel									
Frequency (MHz)									
5	QPSK	1	5	22.75	22.74	22.50			
5	QPSK	1	12	22.81	22.74	22.71	24	0	
5	QPSK	1	24	22.80	22.65	22.51			
5	QPSK	12	0	22.74	22.62	22.43			
5	QPSK	12	7	22.69	22.57	22.58	24	0	
5	QPSK	12	13	22.55	22.59	22.67			
5	QPSK	25	0	22.72	22.67	22.58			
5	16QAM	1	5	22.73	22.51	22.63			
5	16QAM	1	12	22.65	22.71	22.64	24	0	
5	16QAM	1	24	22.69	22.51	22.63			
5	16QAM	12	0	22.55	22.49	22.36			
5	16QAM	12	7	22.45	22.45	22.28	23	1	
5	16QAM	12	13	22.42	22.43	22.23			
5	16QAM	25	0	22.51	22.38	22.22			
5	64QAM	1	5	22.53	22.38	22.12	23	1	
5	64QAM	1	12	22.55	22.45	22.27			
5	64QAM	1	24	22.44	22.37	22.21			
5	64QAM	12	0	21.53	21.42	21.28			
5	64QAM	12	7	21.52	21.42	21.23	22	2	
5	64QAM	12	13	21.52	21.35	21.28			
5	64QAM	25	0	21.47	21.31	21.12			
5	64QAM	25	7	21.48	21.38	21.18	22	2	
5	64QAM	25	13	21.51	21.31	21.21			
5	256QAM	1	12	19.21	19.31	19.21			
5	256QAM	1	24	19.14	19.22	19.08	21	3	
5	256QAM	12	0	19.15	19.25	19.12			
5	256QAM	12	7	19.26	19.32	19.15	21	3	
5	256QAM	12	13	19.17	19.32	19.15			
5	256QAM	25	0	19.31	19.24	19.12	22	2	

Band 41_Ant 1																
BW (MHz)	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Power High Mode Ch / Freq	Turn-on Int (dBm)	MPE (dB)						
Channel																
Frequency (MHz)				30750	40165	40200	41065	41060								
				2976	2954.5	2930	2946.5	2970								
20	QPSK	1	0	18.49	18.33	18.43	18.36	18.36	19.3	0						
20	QPSK	1	48	18.36	18.30	18.44	18.30	18.24								
20	QPSK	36	0	18.28	18.20	18.37	18.28	18.26								
20	QPSK	50	0	18.38	18.25	18.33	18.29	18.26								
20	QPSK	50	24	18.33	18.28	18.32	18.27	18.26								
20	QPSK	50	50	18.28	18.25	18.33	18.29	18.26	19.3	0						
20	16QAM	1	0	18.32	18.21	18.38	18.32	18.30								
20	16QAM	1	48	18.27	18.30	18.33	18.31	18.27								
20	16QAM	1	96	18.31	18.23	18.32	18.37	18.31								
20	16QAM	50	0	18.28	18.18	18.39	18.32	18.30								
20	16QAM	50	24	18.33	18.19	18.39	18.27	18.24	19.3	0						
20	16QAM	50	50	18.37	18.19	18.38	18.34	18.23								
20	16QAM	100	0	18.33	18.18	18.39	18.34	18.24								
20	16QAM	100	0	18.28	18.24	18.34	18.29	18.28								
20	64QAM	1	48	18.26	18.26	18.35	18.37	18.20								
20	64QAM	1	96	18.25	18.29	18.35	18.24	18.21	19	0.3						
20	64QAM	50	0	18.25	18.20	18.34	18.30	18.25								
20	64QAM	50	24	18.32	18.27	18.33	18.33	18.33								
20	64QAM	50	50	18.33	18.23	18.38	18.34	18.31								
20	64QAM	100	0	18.35	18.30	18.38	18.31	18.28								
Channel																
Frequency (MHz)				30750	40173	40200	41068	41060		Turn-on Int (dBm)			MPE (dB)			
				2953.5	2943.5	2920	2937.5	2960								
16	QPSK	1	0	18.36	18.20	18.40	18.29	18.32		19.3			0			
16	QPSK	1	37	18.17	18.16	18.33	18.23	18.11								
16	QPSK	1	74	18.24	18.18	18.32	18.21	18.11								
16	QPSK	36	0	18.32	18.21	18.36	18.28	18.27								
16	QPSK	36	20	18.27	18.19	18.25	18.21	18.12								
16	QPSK	36	36	18.23	18.21	18.28	18.26	18.18	19.3	0						
16	16QAM	1	0	18.22	18.07	18.34	18.31	18.27								
16	16QAM	1	37	18.25	18.26	18.26	18.25	18.23								
16	16QAM	1	74	18.27	18.20	18.19	18.33	18.26								
16	16QAM	36	0	18.23	18.05	18.32	18.21	18.26								
16	16QAM	36	20	18.18	18.06	18.34	18.19	18.16	19.3	0						
16	16QAM	36	36	18.33	18.06	18.26	18.19	18.15								
16	16QAM	75	0	18.21	18.17	18.28	18.23	18.11								
16	16QAM	1	0	18.24	18.17	18.31	18.21	18.22								
16	64QAM	1	37	18.22	18.19	18.32	18.26	18.07								
16	64QAM	1	74	18.21	18.28	18.28	18.06	18.10	19.3	0						
16	64QAM	36	0	18.26	18.19	18.29	18.26	18.23								
16	64QAM	36	20	18.25	18.19	18.19	18.21	18.21								
16	64QAM	36	36	18.25	18.13	18.26	18.19	18.25								
16	64QAM	75	0	18.31	18.21	18.35	18.31	18.27								
16	256QAM	1	0	18.19	18.13	18.38	18.22	18.12								
16	256QAM	1	37	18.26	18.15	18.24	18.21	18.27								
16	256QAM	36	0	18.23	18.27	18.38	18.32	18.28								
16	256QAM	36	20	18.23	18.27	18.31	18.21	18.16								
16	256QAM	36	36	18.25	18.14	18.32	18.25	18.18								
16	256QAM	75	0	18.25	18.15	18.36	18.24	18.24								
Channel																
Frequency (MHz)				30750	40160	40200	41060	41060	Turn-on Int (dBm)	MPE (dB)						
				2960	2947	2920	2938	2960								
10	QPSK	1	0	18.27	18.30	18.40	18.32	18.27	19.3	0						
10	QPSK	1	25	18.15	18.25	18.35	18.15	18.11								
10	QPSK	1	48	18.27	18.28	18.32	18.21	18.21								
10	QPSK	26	0	18.34	18.23	18.36	18.26	18.26								
10	QPSK	25	12	18.22	18.17	18.26	18.14	18.12								
10	QPSK	26	26	18.33	18.15	18.26	18.16	18.16	19.3	0						
10	QPSK	50	0	18.36	18.24	18.37	18.22	18.21								
10	16QAM	1	0	18.31	18.12	18.25	18.28	18.19								
10	16QAM	1	25	18.24	18.25	18.30	18.30	18.25								
10	16QAM	1	48	18.16	18.16	18.20	18.31	18.16								
10	16QAM	25	0	18.13	18.12	18.38	18.22	18.18	19.3	0						
10	16QAM	25	12	18.19	18.10	18.36	18.18	18.14								
10	16QAM	26	25	18.25	18.18	18.28	18.31	18.10								
10	16QAM	50	0	18.40	18.03	18.30	18.23	18.13								
10	64QAM	1	0	18.18	18.09	18.26	18.26	18.13								
10	64QAM	1	25	18.12	18.20	18.27	18.27	18.09	19.3	0						
10	64QAM	1	48	18.15	18.15	18.22	18.21	18.10								
10	64QAM	25	0	18.27	18.10	18.27	18.32	18.27								
10	64QAM	25	12	18.27	18.07	18.25	18.25	18.12								
10	64QAM	50	25	18.17	18.13	18.29	18.06	18.26								
10	64QAM	50	0	18.32	18.30	18.33	18.22	18.22								
10	256QAM	1	0	18.19	18.19	18.32	18.17	18.19								
10	256QAM	1	25	18.26	18.09	18.24	18.25	18.16								
10	256QAM	1	48	18.28	18.14	18.25	18.26	18.10								
10	256QAM	25	0	18.15	18.15	18.34	18.31	18.20								
10	256QAM	25	12	18.23	18.08	18.										



Band 42_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Lb Ch / Freq	Power Mode Ch / Freq	Power Hb Ch / Freq	Timeup (int)	MRR (dB)				
Channel							42190	42190	42190			
Frequency (MHz)												
20	QPSK	1	0	20.55	20.54	20.58						
20	QPSK	1	48	20.45	20.57	20.57	21.2	0				
20	QPSK	1	96	20.52	20.59	20.48						
20	QPSK	50	0	20.52	20.58	20.52						
20	QPSK	50	24	20.49	20.55	20.48	21.2	0				
20	QPSK	50	50	20.52	20.49	20.52						
20	QPSK	100	0	20.51	20.57	20.50						
20	HQAM	1	0	20.52	20.52	20.50	21.2	0				
20	HQAM	1	48	20.52	20.52	20.50						
20	HQAM	1	96	20.53	20.52	20.54						
20	HQAM	50	0	20.53	20.55	20.54						
20	HQAM	50	24	20.51	20.51	20.44	21.2	0				
20	HQAM	50	50	20.55	20.52	20.53						
20	HQAM	100	0	20.55	20.52	20.53						
20	HQAM	1	0	20.52	20.59	20.57	21.2	0				
20	HQAM	1	48	20.54	20.52	20.57						
20	HQAM	1	96	20.54	20.51	20.47						
20	HQAM	50	0	20.55	20.50	20.48						
20	HQAM	50	24	20.50	20.52	20.55	21.2	0				
20	HQAM	50	50	20.52	20.59	20.48						
20	HQAM	100	0	20.57	20.59	20.57						
20	SSBDM	1	0	19.97	19.99	19.93						
20	SSBDM	1	48	19.97	19.97	19.96	21	0.2				
20	SSBDM	1	96	19.98	19.95	19.91						
20	SSBDM	50	0	19.94	19.98	19.95						
20	SSBDM	50	24	19.94	19.92	19.95	21	0.2				
20	SSBDM	50	50	19.95	19.95	19.99						
20	SSBDM	100	0	19.90	19.97	19.90						
Channel							42165	42160	42115	Timeup (int)	MRR (dB)	
Frequency (MHz)												
15	QPSK	1	0	20.49	20.49	20.53						
15	QPSK	1	37	20.39	20.46	20.48	21.2	0				
15	QPSK	1	74	20.42	20.50	20.51						
15	QPSK	36	0	20.37	20.49	20.50						
15	QPSK	36	20	20.34	20.45	20.34	21.2	0				
15	QPSK	36	40	20.32	20.48	20.49						
15	QPSK	75	0	20.40	20.43	20.41						
15	HQAM	1	0	20.38	20.52	20.45	21.2	0				
15	HQAM	1	37	20.47	20.38	20.47						
15	HQAM	1	74	20.47	20.56	20.44						
15	HQAM	36	0	20.37	20.49	20.40						
15	HQAM	36	20	20.47	20.37	20.34	21.2	0				
15	HQAM	36	36	20.54	20.53	20.43						
15	HQAM	75	0	20.46	20.47	20.43						
15	HQAM	1	0	20.32	20.49	20.49						
15	HQAM	1	37	20.40	20.52	20.51	21.2	0				
15	HQAM	1	74	20.47	20.46	20.41						
15	HQAM	36	0	20.43	20.46	20.37						
15	HQAM	36	20	20.47	20.42	20.50	21.2	0				
15	HQAM	36	36	20.46	20.56	20.44						
15	HQAM	75	0	20.46	20.49	20.56						
15	SSBDM	1	0	19.90	19.97	19.94	21	0.2				
15	SSBDM	1	37	19.94	19.95	19.93						
15	SSBDM	1	74	19.95	19.93	19.96						
15	SSBDM	36	0	19.79	19.91	19.87						
15	SSBDM	36	20	19.82	19.92	19.92	21	0.2				
15	SSBDM	36	36	19.99	19.91	19.97						
15	SSBDM	75	0	19.99	19.96	19.90						
Channel							42140	42100	42060	Timeup (int)	MRR (dB)	
Frequency (MHz)												
10	QPSK	1	0	20.45	20.59	20.50						
10	QPSK	1	25	20.37	20.53	20.56	21.2	0				
10	QPSK	1	50	20.45	20.50	20.51						
10	QPSK	25	0	20.38	20.52	20.50						
10	QPSK	25	12	20.35	20.43	20.43	21.2	0				
10	QPSK	25	37	20.47	20.47	20.45						
10	QPSK	50	0	20.50	20.42	20.41						
10	HQAM	1	0	20.43	20.50	20.50	21.2	0				
10	HQAM	1	25	20.47	20.47	20.45						
10	HQAM	1	48	20.48	20.49	20.40						
10	HQAM	25	0	20.50	20.45	20.46						
10	HQAM	25	12	20.39	20.40	20.33	21.2	0				
10	HQAM	25	25	20.47	20.41	20.44						
10	HQAM	50	0	20.47	20.39	20.41						
10	HQAM	1	0	20.48	20.39	20.39						
10	HQAM	1	25	20.48	20.56	20.53	21.2	0				
10	HQAM	1	48	20.41	20.59	20.48						
10	HQAM	25	0	20.46	20.46	20.43						
10	HQAM	25	12	20.54	20.41	20.54	21.2	0				
10	HQAM	25	25	20.43	20.47	20.43						
10	HQAM	50	0	20.42	20.46	20.47						
10	SSBDM	1	0	19.80	19.89	19.82	21	0.2				
10	SSBDM	1	25	19.86	19.89	19.84						
10	SSBDM	1	48	19.89	19.89	19.90						
10	SSBDM	25	0	19.80	19.89	19.85						
10	SSBDM	25	12	19.80	19.82	19.86	21	0.2				
10	SSBDM	25	25	19.95	19.94	19.95						
10	SSBDM	50	0	19.92	19.95	19.92						
Channel							42115	42090	42065	Timeup (int)	MRR (dB)	
Frequency (MHz)												
5	QPSK	1	0	20.45	20.50	20.48						
5	QPSK	1	12	20.34	20.53	20.55	21.2	0				
5	QPSK	1	24	20.43	20.52	20.51						
5	QPSK	12	0	20.48	20.47	20.46						
5	QPSK	12	7	20.34	20.46	20.33	21.2	0				
5	QPSK	12	13	20.41	20.49	20.45						
5	QPSK	25	0	20.42	20.52	20.50						
5	HQAM	1	0	20.45	20.50	20.51	21.2	0				
5	HQAM	1	12	20.47	20.47	20.45						
5	HQAM	1	24	20.48	20.52	20.50						
5	HQAM	12	0	20.47	20.44	20.41						
5	HQAM	12	7	20.40	20.48	20.32	21.2	0				
5	HQAM	12	13	20.40	20.52	20.45						
5	HQAM	25	0	20.50	20.44	20.39						
5	HQAM	1	0	20.43	20.51	20.37						
5	HQAM	1	12	20.50	20.51	20.53	21.2	0				
5	HQAM	24	0	20.41	20.54	20.49						
5	HQAM	12	0	20.44	20.44	20.45						
5	HQAM	12	7	20.40	20.48	20.35	21.2	0				
5	HQAM	12	13	20.40	20.48	20.35						
5	HQAM	25	0	20.49	20.47	20.45						
5	HQAM	25	12	20.52	20.40	20.49	21.2	0.2				
5	SSBDM	1	0	19.81	19.91	19.84						
5	SSBDM	1	12	19.81	19.89	19.86						
5	SSBDM	1	24	19.82	19.91	19.84						
5	SSBDM	12	0	19.86	19.91	19.90						
5	SSBDM	12	7	19.83	19.91	19.86	21	0.2				
5	SSBDM	12	13	19.94	19.91	19.90						



n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				1860	1860	1860			
Frequency (MHz)									
20	P12 BPSK	1	1	22.74	22.68	22.71			
20	P12 BPSK	1	53	22.67	22.60	22.65	24.0	0.0	
20	P12 BPSK	1	104	22.68	22.68	22.72			
20	P12 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	P12 BPSK	50	28	22.65	22.59	22.65	24.0	0.0	
20	P12 BPSK	50	56	22.66	22.60	22.61	24.0	0.0	
20	P12 BPSK	100	0	22.67	22.59	22.61			
20	QPSK	1	1	22.70	22.61	22.70			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.69	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.68	22.72	22.69	24.0	0.0	
20	QPSK	50	56	22.61	22.58	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.65			
20	8QAM	1	1	22.74	22.65	22.74	24.0	0.0	
20	64QAM	1	1	21.88	21.80	21.85	22.0	2.0	
20	25QAM	1	1	20.09	19.98	20.00	21.0	3.0	
Channel				1870.5	1870.5	1870.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				1870.5	1870.5	1870.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.69	22.58	22.67	24.0	0.0	
Channel				1870.5	1870.5	1870.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				1840	1860	1860			
Frequency (MHz)									
20	P12 BPSK	1	1	15.48	15.48	15.47			
20	P12 BPSK	1	53	15.42	15.44	15.48	17.0	0.0	
20	P12 BPSK	1	104	15.41	15.50	15.35			
20	P12 BPSK	50	0	15.44	15.52	15.36	17.0	0.0	
20	P12 BPSK	50	28	15.48	15.46	15.42	17.0	0.0	
20	P12 BPSK	50	56	15.40	15.54	15.41	17.0	0.0	
20	P12 BPSK	100	0	15.41	15.48	15.48			
20	QPSK	1	1	15.52	15.50	15.50			
20	QPSK	1	53	15.50	15.54	15.47	17.0	0.0	
20	QPSK	1	104	15.51	15.50	15.38			
20	QPSK	50	0	15.49	15.55	15.45	17.0	0.0	
20	QPSK	50	28	15.52	15.52	15.45	17.0	0.0	
20	QPSK	50	56	15.38	15.46	15.39	17.0	0.0	
20	QPSK	100	0	15.43	15.46	15.43			
20	8QAM	1	1	15.45	15.50	15.35	17.0	0.0	
20	8QAM	1	1	15.38	15.47	15.45	17.0	0.0	
20	25QAM	1	1	15.30	15.40	15.45	17.0	0.0	
Channel				1850.5	1850.5	1850.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	15.40	15.51	15.46	17.0	0.0	
Channel				1850.5	1850.5	1850.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	15.45	15.40	15.37	17.0	0.0	
Channel				1850.5	1850.5	1850.5	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	15.40	15.48	15.43	17.0	0.0	

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)									
20	P12 BPSK	1	1	22.14	22.09	22.09			
20	P12 BPSK	1	53	22.08	22.04	22.09	24.0	0.0	
20	P12 BPSK	1	104	22.10	22.07	22.04			
20	P12 BPSK	50	0	22.02	22.09	22.09	23.5	0.5	
20	P12 BPSK	50	28	22.01	22.08	22.04	24.0	0.0	
20	P12 BPSK	50	56	22.01	22.08	22.05	23.5	0.5	
20	P12 BPSK	100	0	22.07	22.02	22.09			
20	QPSK	1	1	22.10	22.25	22.25			
20	QPSK	1	53	22.18	22.14	22.22	24.0	0.0	
20	QPSK	1	104	22.10	22.15	22.12			
20	QPSK	50	0	22.12	22.18	22.12	23.0	1.0	
20	QPSK	50	28	22.10	22.22	22.15	24.0	0.0	
20	QPSK	50	56	22.14	22.17	22.13	23.0	1.0	
20	QPSK	100	0	22.12	22.19	22.14			
20	15QAM	1	1	22.10	22.16	22.01	23.0	1.0	
20	8QAM	1	1	20.61	20.56	20.49	21.5	2.5	
20	25QAM	1	1	18.58	18.53	18.40	19.5	4.5	
Channel				371000	376000	381000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.13	22.16	22.11	24.0	0.0	
Channel				371000	376000	381000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.13	22.18	22.11	24.0	0.0	
Channel				370000	376000	381000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.12	22.12	22.19	24.0	0.0	



n5_Ant 0									
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)									
				844	846.5	848			
20	PLQ BPSK	1	1	22.80	22.82	22.77			
20	PLQ BPSK	1	53	22.87	22.84	22.88	24.0	0.0	
20	PLQ BPSK	1	104	22.96	22.95	22.97			
20	PLQ BPSK	50	0	22.71	22.71	22.83	23.5	0.5	
20	PLQ BPSK	50	28	22.68	22.66	22.88	24.0	0.0	
20	PLQ BPSK	50	96	22.95	22.99	22.94	23.5	0.5	
20	PLQ BPSK	100	0	22.72	22.73	22.87			
20	QPSK	1	1	22.90	22.84	22.77			
20	QPSK	1	53	22.72	22.68	22.84	24.0	0.0	
20	QPSK	1	104	22.98	22.98	22.95			
20	QPSK	50	0	22.70	22.74	22.70	23.0	1.0	
20	QPSK	50	28	22.75	22.75	22.75	24.0	0.0	
20	QPSK	50	96	22.80	22.98	22.84	23.0	1.0	
20	QPSK	100	0	22.81	22.97	22.84			
20	16QAM	1	1	22.51	22.50	22.44	23.0	1.0	
20	16QAM	1	1	21.42	21.42	21.36	21.5	2.5	
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5	
Channel									
				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	22.70	22.71	22.83	24.0	0.0	
Channel									
				820	836.5	844	(dBm)		
10	QPSK	1	1	22.78	22.67	22.69	24.0	0.0	
Channel									
				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	22.72	22.73	22.87	24.0	0.0	

n5_Ant 1									
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)									
				834	846.5	848			
20	PLQ BPSK	1	1	22.03	21.97	21.93			
20	PLQ BPSK	1	53	22.03	22.09	21.99	23.5	0.0	
20	PLQ BPSK	1	104	22.01	22.03	21.95			
20	PLQ BPSK	50	0	22.01	22.02	22.06	23.5	0.0	
20	PLQ BPSK	50	28	22.06	22.02	22.06	23.5	0.0	
20	PLQ BPSK	50	96	22.05	22.06	22.05	23.5	0.0	
20	PLQ BPSK	100	0	22.02	22.03	21.94			
20	QPSK	1	1	22.10	22.12	22.09			
20	QPSK	1	53	21.99	22.00	21.94	23.5	0.0	
20	QPSK	1	104	21.98	22.08	21.95			
20	QPSK	50	0	21.95	22.01	21.94	23.0	0.5	
20	QPSK	50	28	22.00	22.00	21.99	23.5	0.0	
20	QPSK	50	96	21.95	22.06	21.94	23.0	0.5	
20	QPSK	100	0	21.95	22.05	21.95			
20	16QAM	1	1	22.05	22.05	21.95	23.0	0.5	
20	16QAM	1	1	20.68	20.67	20.84	21.5	2.0	
20	256QAM	1	1	18.65	18.67	18.93	19.5	4.0	
Channel									
				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	21.95	22.09	22.07	23.5	0.0	
Channel									
				820	836.5	844	(dBm)		
10	QPSK	1	1	22.07	22.01	22.08	23.5	0.0	
Channel									
				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	21.99	21.99	22.04	23.5	0.0	

n7_Ant 2									
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)									
				56400	56700	57000			
40	PLQ BPSK	1	1	23.04	23.13	23.21			
40	PLQ BPSK	1	108	23.14	23.21	23.29	24.0	0.0	
40	PLQ BPSK	1	214	23.09	23.16	23.26			
40	PLQ BPSK	108	0	22.98	23.05	23.14	23.5	0.5	
40	PLQ BPSK	108	54	23.03	23.12	23.18	24.0	0.0	
40	PLQ BPSK	108	108	23.05	23.12	23.19	23.5		
40	PLQ BPSK	216	0	23.04	23.14	23.25			
40	QPSK	1	1	23.17	23.38	23.35			
40	QPSK	1	108	23.16	23.26	23.33	24.0	0.0	
40	QPSK	1	214	23.14	23.22	23.32			
40	QPSK	108	0	23.00	23.08	23.14	24.0	0.0	
40	QPSK	108	54	23.10	23.33	23.31	24.0	0.0	
40	QPSK	108	108	23.04	23.26	23.32	24.0	0.0	
40	QPSK	216	0	22.93	23.15	23.09			
40	16QAM	1	1	22.85	22.93	23.01	24.0	0.0	
40	256QAM	1	1	21.88	21.74	21.81	22.0	2.0	
40	256QAM	1	1	19.84	19.93	20.00	21.0	3.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2515	2535	2555	(dBm)		
30	QPSK	1	1	23.04	23.15	23.27	24.0	0.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2512.5	2535	2557.5	(dBm)		
20	QPSK	1	1	23.06	23.17	23.27	24.0	0.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2510	2535	2560	(dBm)		
20	QPSK	1	1	23.08	23.11	23.22	24.0	0.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	23.10	23.18	23.28	24.0	0.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2505	2535	2565	(dBm)		
10	QPSK	1	1	22.87	22.95	23.08	24.0	0.0	
Channel									
				56500	56700	57000	Tune-up limit	MPR	
				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	23.51	23.59	23.15	24.0	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	17.65	17.65	17.61			
40	PL2 BPSK	1	108	17.67	17.71	17.61	18.5	0.0	
40	PL2 BPSK	1	214	17.61	17.63	17.62			
40	PL2 BPSK	108	0	17.55	17.57	17.53	18.5	0.0	
40	PL2 BPSK	108	54	17.58	17.61	17.63	18.5	0.0	
40	PL2 BPSK	108	108	17.60	17.63	17.59	18.5	0.0	
40	PL2 BPSK	216	0	17.56	17.65	17.56			
40	QPSK	1	1	17.66	17.72	17.65			
40	QPSK	1	108	17.58	17.69	17.64	18.5	0.0	
40	QPSK	1	214	17.58	17.62	17.58			
40	QPSK	108	0	17.61	17.62	17.63	18.5	0.0	
40	QPSK	108	54	17.55	17.65	17.61	18.5	0.0	
40	QPSK	108	108	17.63	17.57	17.57	18.5	0.0	
40	QPSK	216	0	17.59	17.65	17.55			
40	16QAM	1	1	17.54	17.65	17.55	18.5	0.0	
40	16QAM	1	1	17.60	17.64	17.62	18.5	0.0	
40	256QAM	1	1	17.60	17.71	17.59	18.5	0.0	
Channel				35000	35050	35100	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	17.55	17.70	17.65	18.5	0.0	
Channel				35100	35150	35200	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	17.49	17.69	17.52	18.5	0.0	
Channel				35200	35250	35300	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	17.40	17.71	17.61	18.5	0.0	
Channel				35300	35350	35400	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	17.14	17.67	17.64	18.5	0.0	
Channel				35400	35450	35500	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	17.58	17.69	17.62	18.5	0.0	
Channel				35500	35550	35600	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	17.65	17.69	17.59	18.5	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	22.38	22.47	22.41			
40	PL2 BPSK	1	108	22.44	22.53	22.45	24.0	0.0	
40	PL2 BPSK	1	214	22.39	22.48	22.37			
40	PL2 BPSK	108	0	22.38	22.48	22.39	23.5	0.5	
40	PL2 BPSK	108	54	22.31	22.39	22.35	24.0	0.0	
40	PL2 BPSK	108	108	22.29	22.41	22.32	23.5	0.5	
40	PL2 BPSK	216	0	22.34	22.43	22.38			
40	QPSK	1	1	22.40	22.55	22.47			
40	QPSK	1	108	22.42	22.51	22.45	24.0	0.0	
40	QPSK	1	214	22.45	22.54	22.37			
40	QPSK	108	0	22.12	22.21	22.17	23.0	1.0	
40	QPSK	108	54	22.31	22.43	22.35	24.0	0.0	
40	QPSK	108	108	22.09	22.11	22.03	23.0	1.0	
40	QPSK	216	0	22.05	22.12	22.05			
40	16QAM	1	1	22.19	22.27	22.23	23.0	1.0	
40	16QAM	1	1	20.48	20.57	20.51	21.5	2.5	
40	256QAM	1	1	18.55	18.69	18.64	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.27	22.41	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.41	22.44	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.34	22.44	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.37	22.43	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.32	22.47	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.37	22.48	22.35	24.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 349000	Power Middle Ch. Freq. 349500	Power High Ch. Freq. 350000	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	22.81	22.73	22.57			
40	PL2 BPSK	1	108	22.75	22.88	22.81	24.0	0.0	
40	PL2 BPSK	1	214	22.78	22.72	22.58			
40	PL2 BPSK	108	0	22.68	22.84	22.49	23.5	0.5	
40	PL2 BPSK	108	54	22.65	22.58	22.43	24.0		
40	PL2 BPSK	108	108	22.71	22.61	22.43	23.5	0.5	
40	PL2 BPSK	216	0	22.73	22.66	22.47			
40	QPSK	1	1	22.77	22.85	22.57			
40	QPSK	1	108	22.76	22.71	22.58	24.0		
40	QPSK	1	214	22.76	22.88	22.53			
40	QPSK	108	0	22.70	22.70	22.55	23.0	1.0	
40	QPSK	108	54	22.75	22.82	22.51	24.0		
40	QPSK	108	108	22.73	22.84	22.44	23.0	1.0	
40	QPSK	216	0	22.84	22.70	22.58	23.0	1.0	
40	16QAM	1	1	22.75	22.88	22.45	23.0	1.0	
40	16QAM	1	1	21.75	21.86	21.59	21.0	2.0	
40	256QAM	1	1	20.34	20.28	20.08	21.0	3.0	
Channel				35000	35050	35100	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.71	22.87	22.48	24.0		
Channel				35100	35150	35200	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.79	22.71	22.43	24.0		
Channel				35200	35250	35300	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.80	22.83	22.45	24.0		
Channel				35300	35350	35400	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.79	22.72	22.44	24.0		
Channel				35400	35450	35500	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	23.75	22.68	22.42	24.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1760	1765	1768		
40	RU-BPSK	1	1	16.23	16.25	16.07		
40	RU-BPSK	1	108	16.12	16.24	16.20	17.5	0.0
40	RU-BPSK	1	214	16.14	16.26	16.18		
40	RU-BPSK	108	0	16.23	16.27	16.10	17.5	0.0
40	RU-BPSK	108	54	16.18	16.16	16.09	17.5	0.0
40	RU-BPSK	108	108	16.15	16.17	16.21	17.5	0.0
40	RU-BPSK	216	0	16.21	16.20	16.10	17.5	0.0
40	QPSK	1	1	16.25	16.30	16.20		
40	QPSK	1	108	16.16	16.22	16.10	17.5	0.0
40	QPSK	1	214	16.22	16.15	16.20		
40	QPSK	108	0	16.17	16.22	16.08	17.5	0.0
40	QPSK	108	54	16.23	16.25	16.20	17.5	0.0
40	QPSK	108	108	16.13	16.16	16.18	17.5	0.0
40	QPSK	216	0	16.15	16.23	16.16	17.5	0.0
40	16QAM	1	1	16.13	16.16	16.12	17.5	0.0
40	16QAM	1	1	16.17	16.15	16.14	17.5	0.0
40	256QAM	1	1	16.23	16.20	16.13	17.5	0.0
Channel				347000	349000	351000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1745	1745	1745	17.5	0.0
30	QPSK	1	1	16.13	16.16	16.07	17.5	0.0
Channel				347000	349000	351000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1745	1745	1745	17.5	0.0
20	QPSK	1	1	16.16	16.24	16.09	17.5	0.0
Channel				347000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	17.5	0.0
15	QPSK	1	1	16.24	16.27	16.31	17.5	0.0
Channel				348000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	17.5	0.0
10	QPSK	1	1	16.18	16.20	16.21	17.5	0.0
Channel				348000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	17.5	0.0
5	QPSK	1	1	16.13	16.20	16.21	17.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1760	1765	1768		
40	RU-BPSK	1	1	22.41	22.41	22.38		
40	RU-BPSK	1	108	22.47	22.48	22.32	24.0	0.0
40	RU-BPSK	1	214	22.42	22.43	22.27		
40	RU-BPSK	108	0	22.07	22.08	21.89	23.5	0.5
40	RU-BPSK	108	54	22.47	22.50	22.34	24.0	0.0
40	RU-BPSK	108	108	22.03	22.05	21.87	23.5	0.5
40	RU-BPSK	216	0	22.08	22.10	21.90		
40	QPSK	1	1	22.40	22.33	22.37		
40	QPSK	1	108	22.43	22.48	22.27	24.0	0.0
40	QPSK	1	214	22.48	22.50	22.30		
40	QPSK	108	0	21.96	21.99	21.41	23.0	1.0
40	QPSK	108	54	22.40	22.47	22.30	24.0	0.0
40	QPSK	108	108	21.43	21.48	21.27	23.0	1.0
40	QPSK	216	0	21.95	21.93	21.98	24.0	1.0
40	16QAM	1	1	21.35	21.41	21.51	23.0	1.0
40	16QAM	1	1	19.96	20.01	19.81	21.5	0.5
40	256QAM	1	1	18.94	18.92	18.16	19.5	0.5
Channel				347000	349000	351000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.35	22.38	22.27	24.0	0.0
Channel				347000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.38	22.40	22.31	24.0	0.0
Channel				347000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.35	22.41	22.24	24.0	0.0
Channel				348000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.44	22.39	22.24	24.0	0.0
Channel				348000	349000	349000	Tune-up test (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.40	22.47	22.25	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				22.94	22.95	22.96			
40	P12 BPSK	1	1	22.98	22.98	23.00			
40	P12 BPSK	1	53	22.87	22.88	22.94	24.0	0.0	
40	P12 BPSK	1	104	22.74	22.72	22.79			
40	P12 BPSK	50	5	22.92	22.91	22.93	23.5	0.5	
40	P12 BPSK	50	26	22.90	22.89	22.89	24.0	0.0	
40	P12 BPSK	50	56	22.76	22.76	22.81			
40	P12 BPSK	100	0	22.81	22.81	22.87	23.5	0.5	
40	QPSK	1	1	22.99	22.99	23.02			
40	QPSK	1	53	22.98	22.98	22.99	24.0	0.0	
40	QPSK	1	104	22.71	22.72	22.75			
40	QPSK	50	5	22.90	22.92	22.91			
40	QPSK	50	26	22.88	22.90	22.89	24.0	0.0	
40	QPSK	50	56	22.79	22.78	22.84			
40	QPSK	100	0	22.83	22.80	22.85	24.0	0.0	
40	16QAM	1	1	22.98	22.98	22.98	26.0	0.0	
40	64QAM	1	1	21.83	21.94	21.91	23.0	1.0	
40	256QAM	1	1	20.12	20.08	20.18	21.0	3.0	
Channel				\$17100	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.85	25.85	25.85	(dBm)	(dB)	
30	QPSK	1	1	22.91	22.85	22.88	24.0	0.0	
Channel				\$17100	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.80	25.85	26.10	(dBm)	(dB)	
20	QPSK	1	1	22.90	22.85	22.97	24.0	0.0	
Channel				\$17100	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.77.5	25.85	26.12.5	(dBm)	(dB)	
15	QPSK	1	1	22.83	22.80	22.85	24.0	0.0	
Channel				\$17100	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				26.70	26.68	26.18	(dBm)	(dB)	
10	QPSK	1	1	22.88	22.91	22.91	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				22.94	22.95	22.96			
40	P12 BPSK	1	1	18.44	18.49	18.48			
40	P12 BPSK	1	53	18.43	18.53	18.58			
40	P12 BPSK	1	104	18.48	18.51	18.57	17.5	0.0	
40	P12 BPSK	50	5	18.56	18.61	18.46			
40	P12 BPSK	50	26	18.46	18.59	18.59	17.5	0.0	
40	P12 BPSK	50	56	18.53	18.61	18.54			
40	P12 BPSK	100	0	18.55	18.58	18.50	17.5	0.0	
40	QPSK	1	1	18.57	18.54	18.60			
40	QPSK	1	53	18.56	18.54	18.50	17.5	0.0	
40	QPSK	1	104	18.55	18.59	18.53			
40	QPSK	50	5	18.53	18.51	18.59			
40	QPSK	50	26	18.52	18.57	18.57	17.5	0.0	
40	QPSK	50	56	18.48	18.54	18.52			
40	QPSK	100	0	18.53	18.61	18.50	17.5	0.0	
40	16QAM	1	1	18.46	18.61	18.46	17.5	0.0	
40	64QAM	1	1	16.46	16.62	16.58	17.5	0.0	
40	256QAM	1	1	16.46	16.83	16.47	17.5	0.0	
Channel				\$17000	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.85	25.85	25.85	(dBm)	(dB)	
30	QPSK	1	1	18.56	18.51	18.47	17.5	0.0	
Channel				\$17000	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.80	25.85	26.10	(dBm)	(dB)	
20	QPSK	1	1	18.48	18.55	18.46	17.5	0.0	
Channel				\$17000	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				25.77.5	25.85	26.12.5	(dBm)	(dB)	
15	QPSK	1	1	18.49	18.57	18.54	17.5	0.0	
Channel				\$17000	\$17000	\$17000	QPSK 100	MPR	
Frequency (MHz)				26.70	26.68	26.18	(dBm)	(dB)	
10	QPSK	1	1	18.48	18.56	18.50	17.5	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				22.24	22.25	22.26			
40	PI2 BPSK	1	1	22.22	22.25	22.30			
40	PI2 BPSK	1	83	22.12	22.20	22.23	24.0	0.0	
40	PI2 BPSK	1	104	22.18	22.25	22.32			
40	PI2 BPSK	50	5	22.19	22.24	22.25	23.5	0.5	
40	PI2 BPSK	50	26	22.15	22.24	22.26	24.0	0.0	
40	PI2 BPSK	50	56	21.97	22.05	22.08			
40	PI2 BPSK	100	5	22.00	22.10	22.14	23.5	0.5	
40	QPSK	1	1	22.23	22.23	22.23			
40	QPSK	1	53	22.08	22.14	22.17	24.0	0.0	
40	QPSK	1	104	22.14	22.22	22.21			
40	QPSK	50	5	22.09	22.24	22.24			
40	QPSK	50	26	22.09	22.25	22.24	24.0	0.0	
40	QPSK	50	56	22.09	22.09	22.12			
40	QPSK	100	5	21.63	21.75	21.72	23.5	1.0	
40	64QAM	1	1	21.70	21.70	21.66	20.5	1.0	
40	64QAM	1	1	20.74	20.21	20.22	21.5	2.5	
40	256QAM	1	1	18.22	18.28	18.28	19.5	4.5	
Channel				517000	517000	517000			
Frequency (MHz)				2585	2585	2585			
30	QPSK	1	1	22.14	22.21	22.15	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				2580	2585	2610			
20	QPSK	1	1	22.11	22.24	22.25	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				2577.5	2585	2612.5			
15	QPSK	1	1	22.16	22.18	22.25	24.0	0.0	
Channel				517000	517000	517000			
Frequency (MHz)				2610	2610	2610			
10	QPSK	1	1	22.16	22.17	22.25	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	518500	528000			
Frequency (MHz)				22.91	22.92	22.94			
100	PI2 BPSK	1	1	22.95	22.92	22.90			
100	PI2 BPSK	1	137	22.92	22.88	22.88	24.0	0.0	
100	PI2 BPSK	1	271	22.93	22.86	22.86			
100	PI2 BPSK	135	5	22.98	22.91	22.89	23.5	0.5	
100	PI2 BPSK	135	86	22.92	22.87	22.89	24.0	0.0	
100	PI2 BPSK	135	139	22.93	22.86	22.83			
100	PI2 BPSK	235	5	22.90	22.85	22.84	23.5	0.5	
100	QPSK	1	1	23.13	23.14	23.09			
100	QPSK	1	137	23.12	23.06	23.04	24.0	0.0	
100	QPSK	1	271	23.15	23.07	23.06			
100	QPSK	135	5	22.98	22.96	22.87			
100	QPSK	135	86	23.05	23.05	23.05	24.0	0.0	
100	QPSK	135	139	22.98	22.92	22.88			
100	QPSK	270	5	22.93	22.93	22.90	24.0	0.0	
100	64QAM	1	1	23.09	23.04	23.04	24.0	0.0	
100	64QAM	1	1	22.00	21.93	21.93	23.0	1.0	
100	256QAM	1	1	20.21	20.15	20.15	21.0	3.0	
Channel				25320	25320	25320			
Frequency (MHz)				2541	2582.59	2644.98			
90	QPSK	1	1	23.06	23.02	22.94	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2636.02	2582.59	2648.99			
80	QPSK	1	1	23.00	22.99	22.95	24.0	0.0	
Channel				26320	25320	25320			
Frequency (MHz)				2631.01	2582.59	2655			
70	QPSK	1	1	23.00	23.03	22.91	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2620	2582.59	2658.98			
60	QPSK	1	1	23.00	22.95	22.92	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2621.02	2582.59	2664.99			
50	QPSK	1	1	23.09	22.97	22.94	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2616.01	2582.59	2670			
40	QPSK	1	1	22.99	22.98	22.98	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2611	2582.59	2676.98			
30	QPSK	1	1	23.03	22.97	22.92	24.0	0.0	
Channel				25320	25320	25320			
Frequency (MHz)				2606.02	2582.59	2678.98			
20	QPSK	1	1	23.03	22.98	23.00	24.0	0.0	



FCC_n41_Ant 1									
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				2446.81	2452.91	2460			
Frequency (MHz)				16.59	16.63	16.58			
100	PL2 BPSK	1	1	16.59	16.63	16.58			
100	PL2 BPSK	1	137	16.66	16.63	16.58	17.5	0.0	
100	PL2 BPSK	1	271	16.82	16.68	16.55			
100	PL2 BPSK	135	5	16.86	16.62	16.59	17.5	0.0	
100	PL2 BPSK	135	69	16.83	16.65	16.51	17.5	0.0	
100	PL2 BPSK	135	135	16.84	16.71	16.57			
100	PL2 BPSK	270	5	16.53	16.57	16.52	17.5	0.0	
100	QPSK	1	1	16.57	16.72	16.55			
100	QPSK	1	137	16.52	16.60	16.54	17.5	0.0	
100	QPSK	1	271	16.63	16.61	16.55			
100	QPSK	135	5	16.54	16.61	16.54			
100	QPSK	135	69	16.62	16.64	16.58	17.5	0.0	
100	QPSK	135	135	16.62	16.64	16.58			
100	QPSK	270	5	16.63	16.63	16.60	17.5	0.0	
100	8QAM	1	1	16.57	16.70	16.54	17.5	0.0	
100	8QAM	1	1	16.59	16.70	16.53	17.5	0.0	
100	256QAM	1	1	16.54	16.68	16.58	17.5	0.0	
Channel				2455	2459.5	2464.58			
Frequency (MHz)				2541	2552.99	2564.98			
90	QPSK	1	1	16.61	16.62	16.57	17.5	0.0	
Channel				2472.4	2479.5	2487.08			
Frequency (MHz)				2536.02	2552.99	2564.98			
80	QPSK	1	1	16.64	16.65	16.58	17.5	0.0	
Channel				2488.5	2499.5	2510.5			
Frequency (MHz)				2531.01	2552.99	2565			
70	QPSK	1	1	16.57	16.60	16.50	17.5	0.0	
Channel				2470.5	2479.5	2487.08			
Frequency (MHz)				2526	2552.99	2568.98			
60	QPSK	1	1	16.58	16.70	16.58	17.5	0.0	
Channel				2470.5	2479.5	2487.08			
Frequency (MHz)				2521.02	2552.99	2564.99			
50	QPSK	1	1	16.60	16.64	16.63	17.5	0.0	
Channel				2476.01	2476.01	2476.01			
Frequency (MHz)				2516.01	2552.99	2570			
40	QPSK	1	1	16.58	16.66	16.57	17.5	0.0	
Channel				2470.5	2479.5	2487.08			
Frequency (MHz)				2511	2552.99	2574.98			
30	QPSK	1	1	16.58	16.67	16.56	17.5	0.0	
Channel				2470.5	2479.5	2487.08			
Frequency (MHz)				2506.02	2552.99	2578.99			
20	QPSK	1	1	16.64	16.64	16.62	17.5	0.0	

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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				63332	63332	63332			
Frequency (MHz)				18.67	18.67	18.67			
100	PL2 BPSK	1	1	18.67	18.67	18.67			
100	PL2 BPSK	1	137	18.69	18.69	18.69	19.5	0.0	
100	PL2 BPSK	1	271	18.85	18.85	18.85			
100	PL2 BPSK	135	5	18.70	18.70	18.70	19.5	0.0	
100	PL2 BPSK	135	69	18.64	18.64	18.64	19.5	0.0	
100	PL2 BPSK	135	135	18.63	18.63	18.63	19.5	0.0	
100	PL2 BPSK	270	5	18.68	18.68	18.68			
100	QPSK	1	1	18.72	18.72	18.72			
100	QPSK	1	137	18.68	18.68	18.68	19.5	0.0	
100	QPSK	1	271	18.71	18.71	18.71			
100	QPSK	135	5	18.65	18.65	18.65			
100	QPSK	135	69	18.68	18.68	18.68	19.5	0.0	
100	QPSK	135	135	18.67	18.67	18.67			
100	QPSK	270	5	18.59	18.59	18.59	19.5	0.0	
100	8QAM	1	1	18.58	18.58	18.58	19.5	0.0	
100	8QAM	1	1	18.59	18.59	18.59	19.5	0.0	
100	256QAM	1	1	18.55	18.55	18.55	19.5	0.0	
Channel				63360	63370	63368			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	18.59	18.62	18.65	19.5	0.0	
Channel				63368	63370	63368			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	18.62	18.64	18.62	19.5	0.0	
Channel				63374	63370	63372			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	18.68	18.67	18.61	19.5	0.0	
Channel				63368	63370	63368			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	18.71	18.68	18.65	19.5	0.0	
Channel				63368	63370	63368			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	18.61	18.68	18.67	19.5	0.0	
Channel				63374	63370	63372			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	18.70	18.68	18.68	19.5	0.0	
Channel				63368	63370	63368			
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	18.57	18.68	18.65	19.5	0.0	
Channel				63368	63370	63368			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	18.61	18.67	18.69	19.5	0.0	
Channel				63360	63352	63368			
Frequency (MHz)				3457.5	3499.98	3542.40			
15	QPSK	1	1	18.58	18.71	18.60	19.5	0.0	
Channel				63354	63352	63352			
Frequency (MHz)				3455.01	3499.98	3544.90			
10	QPSK	1	1	18.63	18.69	18.57	19.5	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					63332				
Frequency (MHz)					14.93				
100	PL2 BPSK	1	1	14.93	14.93	14.93			
100	PL2 BPSK	1	137	14.93	14.93	14.93	16.0	0.0	
100	PL2 BPSK	1	271	14.91	14.91	14.91			
100	PL2 BPSK	135	5	14.89	14.89	14.89	16.0	0.0	
100	PL2 BPSK	135	69	14.81	14.81	14.81	16.0	0.0	
100	PL2 BPSK	135	138	14.88	14.88	14.88	16.0	0.0	
100	QPSK	270	5	14.82	14.82	14.82			
100	QPSK	1	1	14.95	14.95	14.95			
100	QPSK	1	137	14.94	14.94	14.94	16.0	0.0	
100	QPSK	1	271	14.82	14.82	14.82			
100	QPSK	135	5	14.83	14.83	14.83			
100	QPSK	135	69	14.95	14.95	14.95	16.0	0.0	
100	QPSK	135	138	14.93	14.93	14.93			
100	QPSK	270	5	14.84	14.84	14.84	16.0	0.0	
100	16QAM	1	1	14.81	14.81	14.81	16.0	0.0	
100	16QAM	1	1	14.85	14.85	14.85	16.0	0.0	
100	256QAM	1	1	14.82	14.82	14.82	16.0	0.0	
Channel				63360	63362	63368			
Frequency (MHz)				3430.02	3430.02	3436.98	Tune-up limit	MPR	
90	QPSK	1	1	14.82	14.94	14.90	16.0	0.0	
Channel				63368	63362	63360			
Frequency (MHz)				3436.98	3430.02	3430.02	Tune-up limit	MPR	
80	QPSK	1	1	14.82	14.81	14.79	16.0	0.0	
Channel				63374	63362	63362			
Frequency (MHz)				3450.02	3430.02	3430.02	Tune-up limit	MPR	
70	QPSK	1	1	14.89	14.83	14.83	16.0	0.0	
Channel				63380	63362	63368			
Frequency (MHz)				3460.02	3430.02	3436.98	Tune-up limit	MPR	
60	QPSK	1	1	14.88	14.94	14.92	16.0	0.0	
Channel				63388	63362	63360			
Frequency (MHz)				3470.02	3430.02	3430.02	Tune-up limit	MPR	
50	QPSK	1	1	14.81	14.82	14.80	16.0	0.0	
Channel				63394	63362	63362			
Frequency (MHz)				3480.02	3430.02	3430.02	Tune-up limit	MPR	
40	QPSK	1	1	14.88	14.92	14.91	16.0	0.0	
Channel				63400	63362	63368			
Frequency (MHz)				3490.02	3430.02	3436.98	Tune-up limit	MPR	
30	QPSK	1	1	14.81	14.83	14.84	16.0	0.0	
Channel				63406	63362	63360			
Frequency (MHz)				3496.98	3430.02	3430.02	Tune-up limit	MPR	
20	QPSK	1	1	14.80	14.94	14.87	16.0	0.0	
Channel				63450	63362	63368			
Frequency (MHz)				3500.02	3430.02	3436.98	Tune-up limit	MPR	
15	QPSK	1	1	14.79	14.81	14.91	16.0	0.0	
Channel				63454	63362	63362			
Frequency (MHz)				3504.98	3430.02	3430.02	Tune-up limit	MPR	
10	QPSK	1	1	14.89	14.86	14.84	16.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3499.92		633332		
100	P12 BPSK	1	1		23.09			
100	P12 BPSK	1	137		23.18		24.0	0.0
100	P12 BPSK	1	271		23.17			
100	P12 BPSK	135	0		23.02		23.5	0.5
100	P12 BPSK	135	69		23.07		24.0	0.0
100	P12 BPSK	135	135		23.08		23.5	0.5
100	P12 BPSK	270	0		23.00			
100	QPSK	1	1		23.23			
100	QPSK	1	137		23.21		24.0	0.0
100	QPSK	1	271		23.20			
100	QPSK	135	0		23.06			
100	QPSK	135	69		23.12		24.0	0.0
100	QPSK	135	135		23.09			
100	QPSK	270	0		23.00		24.0	0.0
100	16QAM	1	1		23.22		24.0	0.0
100	64QAM	1	1		22.92		23.0	1.0
100	256QAM	1	1		20.63		21.0	3.0
Channel				3499.92		633332		
Frequency (MHz)				3495		3499.98		
90	QPSK	1	1	23.13	23.14	23.10	24.0	0.0
Channel				3499.92		633332		
Frequency (MHz)				3490.02		3499.98		
80	QPSK	1	1	23.08	23.09	23.12	24.0	0.0
Channel				3495.01		3499.98		
Frequency (MHz)				3485.01		3499.98		
70	QPSK	1	1	23.13	23.12	23.05	24.0	0.0
Channel				3490.02		3499.98		
Frequency (MHz)				3480		3499.98		
60	QPSK	1	1	23.18	23.16	23.07	24.0	0.0
Channel				3475.02		3499.98		
Frequency (MHz)				3470.02		3499.98		
50	QPSK	1	1	23.11	23.10	23.15	24.0	0.0
Channel				3470.01		3499.98		
Frequency (MHz)				3460		3499.98		
40	QPSK	1	1	23.12	23.12	23.06	24.0	0.0
Channel				3465		3499.98		
Frequency (MHz)				3455.02		3499.98		
30	QPSK	1	1	23.12	23.17	23.06	24.0	0.0
Channel				3450.02		3499.98		
Frequency (MHz)				3440		3499.98		
20	QPSK	1	1	23.05	23.16	23.12	24.0	0.0
Channel				3435.02		3499.98		
Frequency (MHz)				3425.5		3499.98		
15	QPSK	1	1	23.14	23.17	23.10	24.0	0.0
Channel				3430.04		3499.98		
Frequency (MHz)				3425.01		3499.98		
10	QPSK	1	1	23.08	23.19	23.10	24.0	0.0

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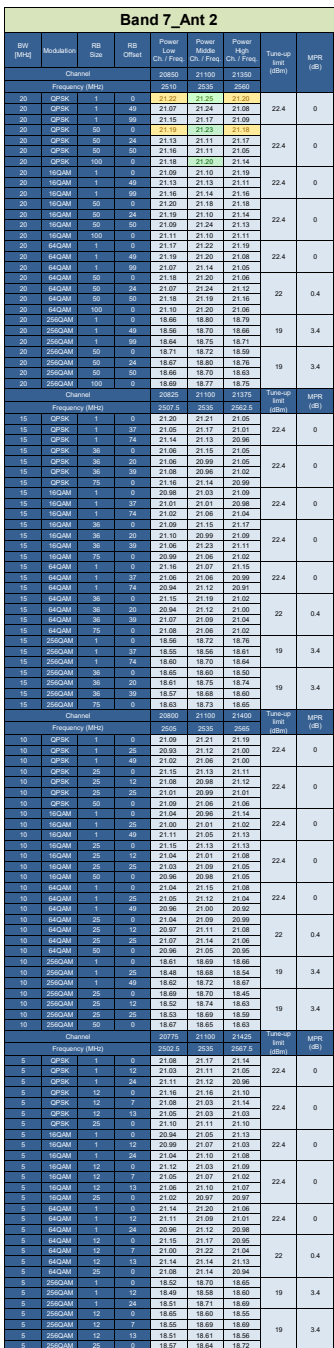
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power/ High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3499.98		633332		
100	P12 BPSK	1	1		18.85			
100	P12 BPSK	1	137		18.91		20.0	0.0
100	P12 BPSK	1	271		18.92			
100	P12 BPSK	135	0		18.94		20.0	0.0
100	P12 BPSK	135	69		18.90		20.0	0.0
100	P12 BPSK	135	135		18.88		20.0	0.0
100	P12 BPSK	270	0		18.92			
100	QPSK	1	1		19.00			
100	QPSK	1	137		18.92		20.0	0.0
100	QPSK	1	271		18.99			
100	QPSK	135	0		18.89			
100	QPSK	135	69		18.92		20.0	0.0
100	QPSK	135	135		18.99			
100	QPSK	270	0		18.90		20.0	0.0
100	16QAM	1	1		18.94		20.0	0.0
100	64QAM	1	1		18.89		20.0	0.0
100	256QAM	1	1		17.77		18.5	1.5
Channel				3499.98		633332		
Frequency (MHz)				3495		3499.98		
90	QPSK	1	1	18.80	18.99	18.86	20.0	0.0
Channel				3499.92		633332		
Frequency (MHz)				3490.02		3499.98		
80	QPSK	1	1	18.85	18.98	18.96	20.0	0.0
Channel				3495.01		3499.98		
Frequency (MHz)				3485.01		3499.98		
70	QPSK	1	1	18.86	18.95	18.95	20.0	0.0
Channel				3490.02		3499.98		
Frequency (MHz)				3480		3499.98		
60	QPSK	1	1	18.86	18.98	18.92	20.0	0.0
Channel				3475.02		3499.98		
Frequency (MHz)				3470.02		3499.98		
50	QPSK	1	1	18.93	18.85	18.93	20.0	0.0
Channel				3470.01		3499.98		
Frequency (MHz)				3460		3499.98		
40	QPSK	1	1	18.87	18.98	18.93	20.0	0.0
Channel				3465		3499.98		
Frequency (MHz)				3455.02		3499.98		
30	QPSK	1	1	18.87	18.99	18.96	20.0	0.0
Channel				3450.02		3499.98		
Frequency (MHz)				3440.02		3499.98		
20	QPSK	1	1	18.98	18.94	18.89	20.0	0.0
Channel				3435.02		3499.98		
Frequency (MHz)				3427.5		3499.98		
15	QPSK	1	1	18.80	18.99	18.89	20.0	0.0
Channel				3430.04		3499.98		
Frequency (MHz)				3425.01		3499.98		
10	QPSK	1	1	18.94	18.85	18.93	20.0	0.0



Band 2_Ant 2											
BW (MHz)	Modulation	RB Spacing	RB Offset	Power Low Ch / Freqs	Power Mid Ch / Freqs	Power High Ch / Freqs	Turn-up time (min)	MPE (dB)			
Channel											
Frequency (MHz)				16800	16900	19100					
20	QPSK	1	0	21.07	21.05	21.02	23.2	0			
20	QPSK	1	49	21.53	21.57	21.42					
20	QPSK	1	99	21.52	21.53	21.48					
20	QPSK	50	0	21.06	21.05	21.05					
20	QPSK	50	24	21.55	21.49	21.42					
20	QPSK	100	0	21.45	21.50	21.50	23	0.2			
20	QPSK	100	0	21.48	21.52	21.43					
20	16QAM	1	0	21.50	21.56	21.43					
20	16QAM	50	0	21.50	21.50	21.50					
20	16QAM	50	24	21.50	21.46	21.41					
20	16QAM	100	0	21.46	21.53	21.42	23	0.2			
20	16QAM	100	0	21.46	21.49	21.47					
20	16QAM	100	0	21.44	21.47	21.50					
20	16QAM	100	0	21.54	21.53	21.57					
20	16QAM	100	0	21.52	21.51	21.57					
20	16QAM	1	99	21.47	21.52	21.45	22	1.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.07	21.17					
20	16QAM	50	24	21.04	21.03	21.07					
20	16QAM	50	24	21.09	21.09	21.09					
20	16QAM	50	24	21.09	21.09	21.09					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	1	99	21.47	21.52	21.45	23	0.2			
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	1	99	21.47	21.52	21.45					
20	16QAM	50	24	21.09	21.09	21.17	22	1.2			
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM	50	24	21.09	21.09	21.17					
20	16QAM										



Band 4_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Tune-up [dBm]	MPE [dB]				
Channel				20050	17175	20250						
Frequency [MHz]				1720	17275	1740						
30	QPSK	1	0	15.47	15.58	15.50						
30	QPSK	1	48	15.28	15.38	15.18	16.7	0				
30	QPSK	1	96	15.09	15.14	15.04						
30	QPSK	50	0	15.50	15.55	15.50						
30	QPSK	50	24	15.44	15.38	15.28						
30	QPSK	50	48	15.32	15.42	15.34	16.7	0				
30	16QAM	1	0	15.48	15.23	15.40	16.7	0				
30	16QAM	1	48	15.29	15.42	15.40						
30	16QAM	1	96	15.38	15.50	15.24						
30	16QAM	50	0	15.38	15.34	15.27						
30	16QAM	50	24	15.43	15.28	15.20	16.7	0				
30	16QAM	50	48	15.28	15.49	15.25						
30	16QAM	100	0	15.40	15.48	15.30						
30	16QAM	100	50	15.42	15.46	15.22	16.7	0				
30	256QAM	1	0	15.28	15.44	15.11						
30	256QAM	1	49	15.47	15.32	15.28	16.7	0				
30	256QAM	1	99	15.40	15.29	15.09						
30	256QAM	50	0	15.46	15.42	15.27						
30	256QAM	50	24	15.22	15.48	15.21						
30	256QAM	50	48	15.34	15.30	15.19	16.7	0				
30	256QAM	100	0	15.42	15.38	15.29						
30	256QAM	100	50	15.41	15.34	15.24						
Channel				20050	17175	20250	Mid-band [dBm]	MPE [dB]				
Frequency [MHz]				1717.5 <th>1727.5<th>1747.5<th></th><th></th><th colspan="3"></th></th></th>	1727.5 <th>1747.5<th></th><th></th><th colspan="3"></th></th>	1747.5 <th></th> <th></th> <th colspan="3"></th>						
15	QPSK	1	0	15.43	15.48	15.47						
15	QPSK	1	37	15.18	15.30	15.08	16.7	0				
15	QPSK	1	74	15.22	15.29	15.24						
15	QPSK	38	0	15.38	15.45	15.30						
15	QPSK	38	30	15.42	15.28	15.17	16.7	0				
15	QPSK	38	67	15.37	15.37	15.18						
15	16QAM	1	0	15.35	15.13	15.33	16.7	0				
15	16QAM	1	37	15.22	15.38	15.20						
15	16QAM	1	74	15.31	15.38	15.17						
15	16QAM	38	0	15.30	15.27	15.12						
15	16QAM	38	30	15.32	15.35	15.20	16.7	0				
15	16QAM	38	67	15.13	15.47	15.23						
15	16QAM	75	0	15.33	15.41	15.27						
15	16QAM	75	37	15.28	15.37	15.19						
15	16QAM	1	37	15.42	15.49	15.30	16.7	0				
15	16QAM	1	74	15.38	15.36	15.40						
15	16QAM	38	0	15.40	15.28	15.19						
15	16QAM	38	30	15.45	15.35	15.25	16.7	0				
15	16QAM	75	0	15.26	15.38	15.16						
15	16QAM	75	37	15.30	15.40	15.25						
15	256QAM	1	0	15.24	15.30	15.10						
15	256QAM	1	37	15.44	15.30	15.26	16.7	0				
15	256QAM	1	74	15.28	15.35	15.04						
15	256QAM	38	0	15.34	15.32	15.12						
15	256QAM	38	30	15.29	15.36	15.18						
15	256QAM	38	67	15.38	15.15	15.27						
15	256QAM	75	0	15.38	15.30	15.18						
Channel				20050	1715 <th>1725.5<th>1735</th><th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th>	1725.5 <th>1735</th> <th>Mid-band [dBm]</th> <th>MPE [dB]</th> <th colspan="3"></th>	1735	Mid-band [dBm]	MPE [dB]			
Frequency [MHz]				1715 <th>1725.5<th>1735<th></th><th></th><th colspan="3"></th></th></th>	1725.5 <th>1735<th></th><th></th><th colspan="3"></th></th>	1735 <th></th> <th></th> <th colspan="3"></th>						
10	QPSK	1	0	15.70	15.57	15.35						
10	QPSK	1	25	15.23	15.29	15.15	16.7	0				
10	QPSK	1	50	15.32	15.33	15.22						
10	QPSK	25	0	15.44	15.48	15.38						
10	QPSK	25	12	15.39	15.24	15.18	16.7	0				
10	QPSK	50	0	15.29	15.49	15.28						
10	QPSK	50	25	15.30	15.41	15.23						
10	16QAM	1	0	15.43	15.15	15.25	16.7	0				
10	16QAM	1	50	15.23	15.29	15.28						
10	16QAM	1	49	15.34	15.44	15.22						
10	16QAM	25	0	15.25	15.24	15.17						
10	16QAM	25	12	15.38	15.27	15.17	16.7	0				
10	16QAM	50	0	15.22	15.44	15.13						
10	16QAM	50	25	15.38	15.30	15.18						
10	16QAM	1	25	15.38	15.39	15.18						
10	16QAM	1	49	15.33	15.33	15.45	16.7	0				
10	16QAM	25	0	15.38	15.29	15.28						
10	16QAM	25	12	15.34	15.24	14.99	16.7	0				
10	16QAM	50	0	15.41	15.40	15.17						
10	16QAM	50	25	15.18	15.37	15.19						
10	256QAM	1	0	15.13	15.41	14.96						
10	256QAM	1	25	15.46	15.28	15.28	16.7	0				
10	256QAM	1	50	15.35	15.38	14.98						
10	256QAM	25	0	15.38	15.19	15.26						
10	256QAM	25	12	15.32	15.35	15.22						
10	256QAM	50	0	15.35	15.19	15.26						
10	256QAM	50	25	15.31	15.22	15.20						
Channel				1722.5 <th>1725.5<th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th>	1725.5 <th>Mid-band [dBm]</th> <th>MPE [dB]</th> <th colspan="3"></th>	Mid-band [dBm]	MPE [dB]				
Frequency [MHz]				1722.5 <th>1725.5<th>1725.5<th></th><th></th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th></th><th></th><th colspan="3"></th></th>	1725.5 <th></th> <th></th> <th colspan="3"></th>						
5	QPSK	1	0	15.34	15.51	15.47						
5	QPSK	1	12	15.21	15.22	15.08	16.7	0				
5	QPSK	1	25	15.33	15.32	15.20						
5	QPSK	12	0	15.39	15.44	15.36						
5	QPSK	12	7	15.31	15.28	15.21	16.7	0				
5	QPSK	12	14	15.26	15.40	15.15						
5	16QAM	1	0	15.37	15.13	15.34	16.7	0				
5	16QAM	1	12	15.28	15.24	15.14						
5	16QAM	1	24	15.28	15.45	15.12						
5	16QAM	12	0	15.32	15.24	15.24						
5	16QAM	12	7	15.32	15.28	15.22	16.7	0				
5	16QAM	12	14	15.18	15.41	15.21						
5	16QAM	25	0	15.30	15.40	15.26						
5	16QAM	25	7	15.31	15.38	15.13						
5	16QAM	1	12	15.30	15.42	15.43	16.7	0				
5	16QAM	1	24	15.34	15.48	15.47						
5	16QAM	12	0	15.38	15.35	15.30						
5	16QAM	12	7	15.32	15.22	15.08	16.7	0				
5	16QAM	12	14	15.31	15.32	15.18						
5	16QAM	25	0	15.24	15.37	15.11						
5	256QAM	1	0	15.14	15.39	14.97						
5	256QAM	1	12	15.32	15.25	15.07	16.7	0				
5	256QAM	1	24	15.30	15.34	15.26						
5	256QAM	12	7	15.11	15.34	15.26						
5	256QAM	12	14	15.31	15.26	15.19	16.7	0				
5	256QAM	25	0	15.31	15.20	15.22						
5	256QAM	25	12	15.25	15.29	15.16						
Channel				1722.5 <th>1725.5<th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th>	1725.5 <th>Mid-band [dBm]</th> <th>MPE [dB]</th> <th colspan="3"></th>	Mid-band [dBm]	MPE [dB]				
Frequency [MHz]				1722.5 <th>1725.5<th>1725.5<th></th><th></th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th></th><th></th><th colspan="3"></th></th>	1725.5 <th></th> <th></th> <th colspan="3"></th>						
1.4	QPSK	1	0	15.48	15.48	15.48						
1.4	QPSK	1	8	15.27	15.28	15.18	16.7	0				
1.4	QPSK	1	16	15.24	15.30	15.24						
1.4	QPSK	8	0	15.49	15.49	15.28						
1.4	QPSK	8	8	15.37	15.35	15.26	16.7	0				
1.4	QPSK	8	16	15.37	15.43	15.28						
1.4	16QAM	1	0	15.49	15.33	15.28	16.7	0				
1.4	16QAM	1	8	15.17	15.39	15.31						
1.4	16QAM	1	16	15.42	15.43	15.28						
1.4	16QAM	8	0	15.37	15.33	15.21	16.7	0				
1.4	16QAM	8	8	15.37	15.33	15.21						
1.4	16QAM	8	16	15.33	15.26	15.19						
1.4	16QAM	16	0	15.42	15.43	15.17	16.7	0				
1.4	16QAM	16	8	15.37	15.37	15.17						
1.4	16QAM	1	8	15.42	15.33	15.14						
1.4	16QAM	1	16	15.38	15.39	15.41	16.7	0				
1.4	16QAM	8	0	15.31	15.24	15.24						
1.4	16QAM	8	8	15.25	15.44	15.17						
1.4	16QAM	8	16	15.38	15.44	15.17	16.7	0				
1.4	16QAM	16	0	15.16	15.32	15.13						
1.4	16QAM	16	8	15.38	15.38	15.18						
1.4	256QAM	1	8	15.38	15.28	15.15	16.7	0				
1.4	256QAM	1	16	15.30	15.15	14.98						
1.4	256QAM	8	0	15.45	15.38	15.18						
1.4	256QAM	8	8	15.15	15.44	15.15	16.7	0				
1.4	256QAM	8	16	15.36	15.13	15.24						
1.4	256QAM	16	0	15.37	15.19	15.16						
Channel				1722.5 <th>1725.5<th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th>Mid-band [dBm]</th><th>MPE [dB]</th><th colspan="3"></th></th>	1725.5 <th>Mid-band [dBm]</th> <th>MPE [dB]</th> <th colspan="3"></th>	Mid-band [dBm]	MPE [dB]				
Frequency [MHz]				1722.5 <th>1725.5<th>1725.5<th></th><th></th><th colspan="3"></th></th></th>	1725.5 <th>1725.5<th></th><th></th><th colspan="3"></th></th>	1725.5 <th></th> <th></th> <th colspan="3"></th>						
1.4	QPSK	1	0	15.48	15.48	15.48						
1.4	QPSK	1	8	15.26	15.30	15.24	16.7	0				
1.4	QPSK	1	16	15.49	15.49	15.28						
1.4	QPSK	8	0	15.42	15.28	15.17						
1.4	QPSK	8	8	15.33	15.48	15.19	16.7	0				
1.4	QPSK	8	16	15.35	15.35	15.25						
1.4	16QAM	1	0	15.43	15.12	15.33	16.7	0				
1.4	16QAM	1	8	15.16	15.39	15.28						
1.4	16QAM	1	16	15.45	15.47	15.17						
1.4	16QAM	8	0	15.37	15.38	15.21	16.7	0				
1.4	16QAM	8	8	15.37	15.34	15.14						
1.4	16QAM	8	16	15.34	15.31	15.26	16.7	0				
1.4	16QAM	16	0	15.28	15.45	15.28						
1.4	16QAM	16										



Band 7_Ant 1										
RF	Modulation	RB Size	RB Offset	Power Spectral Density Ch/Hz	Power Spectral Density Ch/Hz	Power Spectral Density Ch/Hz	Power Spectral Density Ch/Hz	Turn-on time (μs)	MFR (dB)	
Channel				20850	21100	21350	21600			
Frequency (MHz)										
20	QPSK	1	0	16.32	16.50	16.30	16.30	17.7	0	
20	QPSK	1	49	16.41	16.38	16.42	16.42			
20	QPSK	1	99	16.42	16.45	16.40	16.40			
20	QPSK	1	149	16.43	16.48	16.47	16.47			
20	QPSK	50	24	16.48	16.52	16.51	16.51	17.7	0	
20	QPSK	50	50	16.45	16.50	16.50	16.50			
20	QPSK	50	75	16.47	16.53	16.52	16.52			
20	QPSK	50	99	16.48	16.52	16.51	16.51			
20	QPSK	1	0	16.49	16.57	16.48	16.48			
20	QPSK	1	49	16.53	16.52	16.48	16.48	17.7	0	
20	QPSK	1	99	16.43	16.55	16.37	16.37			
20	QPSK	1	149	16.44	16.56	16.42	16.42			
20	QPSK	50	24	16.42	16.59	16.40	16.40	17.7	0	
20	QPSK	50	50	16.55	16.55	16.46	16.46			
20	QPSK	50	75	16.53	16.52	16.46	16.46			
Channel				20825	21100	21350	21600			
Frequency (MHz)										
15	QPSK	1	0	29.71	29.55	29.67	29.67			
15	QPSK	1	49	29.72	29.58	29.60	29.60	17.7	0	
15	QPSK	1	99	29.73	29.59	29.61	29.61			
15	QPSK	1	149	29.74	29.62	29.64	29.64			
15	QPSK	50	24	29.75	29.63	29.65	29.65	17.7	0	
15	QPSK	50	50	29.76	29.64	29.64	29.64			
15	QPSK	50	75	29.77	29.65	29.64	29.64			
15	QPSK	50	99	29.78	29.66	29.67	29.67			
15	QPSK	1	0	29.79	29.67	29.68	29.68			
15	QPSK	1	49	29.80	29.68	29.69	29.69	17.7	0	
15	QPSK	1	99	29.81	29.69	29.70	29.70			
15	QPSK	1	149	29.82	29.70	29.71	29.71			
15	QPSK	50	24	29.83	29.71	29.72	29.72			
15	QPSK	50	50	29.84	29.72	29.73	29.73	17.7	0	
15	QPSK	50	75	29.85	29.73	29.74	29.74			
15	QPSK	50	99	29.86	29.74	29.75	29.75			
15	QPSK	1	0	29.87	29.75	29.76	29.76			
15	QPSK	1	49	29.88	29.76	29.77	29.77	17.7	0	
15	QPSK	1	99	29.89	29.77	29.78	29.78			
15	QPSK	1	149	29.90	29.78	29.79	29.79			
15	QPSK	50	24	29.91	29.79	29.80	29.80			
15	QPSK	50	50	29.92	29.80	29.81	29.81	17.7	0	
15	QPSK	50	75	29.93	29.81	29.82	29.82			
15	QPSK	50	99	29.94	29.82	29.83	29.83			
15	QPSK	1	0	29.95	29.83	29.84	29.84			
15	QPSK	1	49	29.96	29.84	29.85	29.85	17.7	0	
15	QPSK	1	99	29.97	29.85	29.86	29.86			
15	QPSK	1	149	29.98	29.86	29.87	29.87			
15	QPSK	50	24	29.99	29.87	29.88	29.88	17.7	0	
15	QPSK	50	50	30.00	29.88	29.89	29.89			
15	QPSK	50	75	30.01	29.89	29.90	29.90			
15	QPSK	50	99	30.02	29.90	29.91	29.91			
15	QPSK	1	0	30.03	29.91	29.92	29.92			
15	QPSK	1	49	30.04	29.92	29.93	29.93	17.7	0	
15	QPSK	1	99	30.05	29.93	29.94	29.94			
15	QPSK	1	149	30.06	29.94	29.95	29.95			
15	QPSK	50	24	30.07	29.95	29.96	29.96	17.7	0	
15	QPSK	50	50	30.08	29.96	29.97	29.97			
15	QPSK	50	75	30.09	29.97	29.98	29.98			
15	QPSK	50	99	30.10	29.98	29.99	29.99			
15	QPSK	1	0	30.11	29.99	30.00	30.00			
15	QPSK	1	49	30.12	30.00	30.01	30.01	17.7	0	
15	QPSK	1	99	30.13	30.01	30.02	30.02			
15	QPSK	1	149	30.14	30.02	30.03	30.03			
15	QPSK	50	24	30.15	30.03	30.04	30.04	17.7	0	
15	QPSK	50	50	30.16	30.04	30.05	30.05			
15	QPSK	50	75	30.17	30.05	30.06	30.06			
15	QPSK	50	99	30.18	30.06	30.07	30.07			
15	QPSK	1	0	30.19	30.07	30.08	30.08			
15	QPSK	1	49	30.20	30.08	30.09	30.09	17.7	0	
15	QPSK	1	99	30.21	30.09	30.10	30.10			
15	QPSK	1	149	30.22	30.10	30.11	30.11			
15	QPSK	50	24	30.23	30.11	30.12	30.12	17.7	0	
15	QPSK	50	50	30.24	30.12	30.13	30.13			
15	QPSK	50	75	30.25	30.13	30.14	30.14			
15	QPSK	50	99	30.26	30.14	30.15	30.15			
15	QPSK	1	0	30.27	30.15	30.16	30.16			
15	QPSK	1	49	30.28	30.16	30.17	30.17	17.7	0	
15	QPSK	1	99	30.29	30.17	30.18	30.18			
15	QPSK	1	149	30.30	30.18	30.19	30.19			
15	QPSK	50	24	30.31	30.19	30.20	30.20	17.7	0	
15	QPSK	50	50	30.32	30.20	30.21	30.21			
15	QPSK	50	75	30.33	30.21	30.22	30.22			
15	QPSK	50	99	30.34	30.22	30.23	30.23			
15	QPSK	1	0	30.35	30.23	30.24	30.24			
15	QPSK	1	49	30.36	30.24	30.25	30.25	17.7	0	
15	QPSK	1	99	30.37	30.25	30.26	30.26			
15	QPSK	1	149	30.38	30.26	30.27	30.27			
15	QPSK	50	24	30.39	30.27	30.28	30.28	17.7	0	
15	QPSK	50	50	30.40	30.28	30.29	30.29			
15	QPSK	50	75	30.41	30.29	30.30	30.30			
15	QPSK	50	99	30.42	30.30	30.31	30.31			
15	QPSK	1	0	30.43	30.31	30.32	30.32			
15	QPSK	1	49	30.44	30.32	30.33	30.33	17.7	0	
15	QPSK	1	99	30.45	30.33	30.34	30.34			
15	QPSK	1	149	30.46	30.34	30.35	30.35			
15	QPSK	50	24	30.47	30.35	30.36	30.36	17.7	0	
15	QPSK	50	50	30.48	30.36	30.37	30.37			
15	QPSK	50	75	30.49	30.37	30.38	30.38			
15	QPSK	50	99	30.50	30.38	30.39	30.39			
15	QPSK	1	0	30.51	30.39	30.40	30.40			
15	QPSK	1	49	30.52	30.40	30.41	30.41	17.7	0	
15	QPSK	1	99	30.53	30.41	30.42	30.42			
15	QPSK	1	149	30.54	30.42	30.43	30.43			
15	QPSK	50	24	30.55	30.43	30.44	30.44	17.7	0	
15	QPSK	50	50	30.56	30.44	30.45	30.45			
15	QPSK	50	75	30.57	30.45	30.46	30.46			
15	QPSK	50	99	30.58	30.46	30.47	30.47			
15	QPSK	1	0	30.59	30.47	30.48	30.48			
15	QPSK	1	49	30.60	30.48	30.49	30.49	17.7	0	
15	QPSK	1	99	30.61	30.49	30.50	30.50			
15	QPSK	1	149	30.62	30.50	30.51	30.51			
15	QPSK	50	24	30.63	30.51	30.52	30.52	17.7	0	
15	QPSK	50	50	30.64	30.52	30.53	30.53			
15	QPSK	50	75	30.65	30.53	30.54	30.54			
15	QPSK	50	99	30.66	30.54	30.55	30.55			
15	QPSK	1	0	30.67	30.55	30.56	30.56			
15	QPSK	1	49	30.68	30.56	30.57	30.57	17.7	0	
15	QPSK	1	99	30.69	30.57	30.58	30.58			
15	QPSK	1	149	30.70	30.58	30.59	30.59			
15	QPSK	50	24	30.71	30.59	30.60	30.60	17.7	0	
15	QPSK	50	50	30.72	30.60	30.61	30.61			
15	QPSK	50	75	30.73	30.61	30.62	30.62			
15	QPSK	50	99	30.74	30.62	30.63	30.63			
15	QPSK	1	0	30.75	30.63	30.64	30.64			
15	QPSK	1	49	30.76	30.64	30.65	30.65	17.7	0	
15	QPSK	1	99	30.77	30.65	30.66	30.66			
15	QPSK	1	149	30.78	30.66	30.67	30.67			
15	QPSK	50	24	30.79	30.67	30.68	30.68	17.7	0	
15	QPSK	50	50	30.80	30.68	30.69	30.69			
15	QPSK	50	75	30.81	30.69	30.70	30.70			
15	QPSK	50	99	30.82	30.70	30.71	30.71			
15	QPSK	1	0	30.83	30.71	30.72	30.72			
15	QPSK	1	49	30.84	30.72	30.73	30.73	17.7	0	
15	QPSK	1	99	30.85	30.73	30.74	30.74			
15	QPSK	1	149	30.86	30.74	30.75	30.75			
15	QPSK	50	24	30.87	30.75	30.76	30.76	17.7	0	
15	QPSK	50	50	30.88	30.76	30.77	30.77			
15	QPSK	50	75	30.89	30.77	30.78	30.78			
15	QPSK	50	99	30.90	30.78	30.79	30.79			
15	QPSK	1	0	30.91	30.79	30.80	30.80			
15	QPSK	1	49	30.92	30.80	30.81	30.81	17.7	0	
15	QPSK	1	99	30.93	30.81	30.82	30.82			
15	QPSK	1	149	30.94	30.82	30.83	30.83			
15	QPSK	50	24	30.95	30.83	30.84	30.84	17.7	0	
15										

Band 7_Ant 0												
RF [MHz]	Modulation	RB Size	RF Offset	Power [dBm]	Power Ch. [Frac]	Power Ch. [Frac]	Power Ch. [Frac]	Turn-up time [s]	MFR [dB]			
Channel				20850	21000	21050	21100					
20	OFDM	1	0	18.43	18.50	18.44	18.34					
20	OFDM	1	40	18.28	18.38	18.48	18.27	20.2	0			
20	OFDM	1	90	18.31	18.48	18.34	18.26					
20	OFDM	25	0	18.41	18.39	18.34	18.26					
20	OFDM	25	20	18.40	18.38	18.34	18.26					
20	OFDM	50	50	18.31	18.38	18.34	18.26	20.2	0			
20	OFDM	50	100	18.30	18.35	18.34	18.27					
20	HQAM	1	0	18.37	18.39	18.39	18.36					
20	HQAM	1	40	18.29	18.37	18.25	18.20	20.2	0			
20	HQAM	1	80	18.38	18.34	18.34	18.28					
20	HQAM	50	0	18.29	18.48	18.28	18.20					
20	HQAM	50	24	18.31	18.33	18.35	18.23	20.2	0			
20	HQAM	50	48	18.30	18.45	18.39	18.39					
20	HQAM	100	0	18.41	18.38	18.37	18.27					
20	HQAM	1	0	18.38	18.37	18.34	18.24	20.2	0			
20	HQAM	1	40	18.35	18.35	18.35	18.27					
20	HQAM	1	90	18.40	18.38	18.27	18.27					
20	HQAM	50	0	18.31	18.35	18.39	18.39					
20	HQAM	50	25	18.35	18.45	18.27	18.27	20.2	0			
20	HQAM	50	50	18.36	18.42	18.28	18.28					
20	HQAM	100	0	18.30	18.45	18.39	18.39					
20	HQAM	100	24	18.34	18.48	18.27	18.27	20.2	0			
20	HQAM	1	40	17.77	17.80	17.78	17.78	19	1.2			
20	HQAM	1	90	17.76	17.85	17.79	17.79					
20	HQAM	50	24	17.74	17.82	17.78	17.78	19	1.2			
20	HQAM	50	48	17.71	17.82	17.74	17.74					
20	HQAM	100	24	17.78	17.78	17.77	17.77	19	1.2			
Channel				20850	21051	21101	21151	Turn-up time [s]	MFR [dB]			
15	OFDM	1	0	20.57	20.55	20.62	20.62					
15	OFDM	1	40	18.32	18.42	18.31	18.26	20.2	0			
15	OFDM	1	80	18.28	18.48	18.25	18.20					
15	OFDM	1	74	18.22	18.34	18.26	18.26					
15	OFDM	25	0	18.41	18.39	18.34	18.26					
15	OFDM	25	20	18.28	18.28	18.20	18.20					
15	OFDM	36	36	18.26	18.24	18.20	18.20					
15	HQAM	1	0	18.34	18.33	18.25	18.25					
15	HQAM	1	37	18.20	18.24	18.21	18.21	20.2	0			
15	HQAM	1	74	18.27	18.36	18.25	18.25					
15	HQAM	36	36	18.24	18.46	18.26	18.26					
15	HQAM	36	20	18.27	18.35	18.23	18.23					
15	HQAM	36	74	18.24	18.38	18.23	18.23	20.2	0			
15	HQAM	75	0	18.28	18.32	18.25	18.25					
15	HQAM	1	0	18.31	18.35	18.31	18.31					
15	HQAM	1	37	18.20	18.28	18.26	18.26	20.2	0			
15	HQAM	1	74	18.27	18.36	18.25	18.25					
15	HQAM	36	0	18.29	18.30	18.32	18.32					
15	HQAM	36	36	18.32	18.37	18.24	18.24	20.2	0			
15	HQAM	75	0	18.24	18.32	18.34	18.34					
15	HQAM	75	20	18.24	18.32	18.34	18.34					
15	HQAM	75	36	18.24	18.32	18.34	18.34					
15	HQAM	75	0	18.24	18.32	18.34	18.34					
15	HQAM	1	37	17.77	17.72	17.78	17.69	19	1.2			
15	25QAM	1	40	17.74	17.72	17.74	17.64	19	1.2			
15	25QAM	1	74	17.74	17.72	17.74	17.64					
15	25QAM	25	0	17.76	17.70	17.76	17.62					
15	25QAM	36	36	17.60	17.79	17.63	17.63	19	1.2			
15	25QAM	75	0	17.63	17.69	17.63	17.63					
Channel				20850	21051	21101	21151	Turn-up time [s]	MFR [dB]			
5	OFDM	1	0	20.58	20.55	20.66	20.66					
5	OFDM	1	40	18.31	18.44	18.36	18.26	20.2	0			
5	OFDM	1	80	18.25	18.38	18.30	18.25					
5	OFDM	1	49	18.28	18.34	18.28	18.28					
5	OFDM	25	0	18.41	18.39	18.34	18.26					
5	OFDM	25	20	18.22	18.30	18.22	18.22					
5	OFDM	25	26	18.20	18.33	18.25	18.25					
5	OFDM	50	0	18.22	18.35	18.30	18.26					
5	OFDM	50	25	18.28	18.32	18.28	18.28					
5	HQAM	1	26	18.21	18.22	18.23	18.23	20.2	0			
5	HQAM	25	0	18.25	18.30	18.25	18.25					
5	HQAM	25	12	18.26	18.33	18.34	18.34	20.2	0			
5	HQAM	50	25	18.29	18.33	18.33	18.27					
5	HQAM	50	50	18.29	18.30	18.30	18.25					
5	HQAM	1	49	18.33	18.27	18.31	18.23	20.2	0			
5	HQAM	25	0	18.22	18.28	18.28	18.28					
5	HQAM	25	25	18.44	18.42	18.32	18.23	20.2	0			
5	HQAM	25	25	18.21	18.27	18.25	18.25	20.2	0			
5	HQAM	50	0	18.29	18.30	18.24	18.24					
5	HQAM	50	25	18.27	18.32	18.27	18.27					
5	HQAM	1	25	17.66	17.71	17.68	17.68	19	1.2			
5	25QAM	1	49	17.61	17.77	17.72	17.58	19	1.2			
5	25QAM	1	74	17.62	17.66	17.66	17.66					
5	25QAM	25	25	17.64	17.69	17.69	17.69					
5	25QAM	75	0	17.56	17.61	17.61	17.61	19	1.2			
Channel				20775	21051	21101	21151	Turn-up time [s]	MFR [dB]			
5	OFDM	1	0	18.38	18.49	18.32	18.27					
5	OFDM	1	40	18.28	18.43	18.30	18.25	20.2	0			
5	OFDM	1	24	18.21	18.41	18.34	18.28					
5	OFDM	12	0	18.33	18.33	18.30	18.30					
5	OFDM	12	0	18.32	18.32	18.30	18.30					
5	OFDM	12	18	18.28	18.34	18.30	18.28					
5	HQAM	25	0	18.35	18.35	18.30	18.28					
5	HQAM	1	0	18.34	18.37	18.34	18.34					
5	HQAM	1	12	18.26	18.34	18.27	18.27	20.2	0			
5	HQAM	12	12	18.20	18.38	18.23	18.23					
5	HQAM	12	7	18.21	18.25	18.25	18.25	20.2	0			
5	HQAM	1	41	18.41	18.31	18.27	18.27					
5	HQAM	25	0	18.34	18.37	18.34	18.34					
5	HQAM	1	24	18.39	18.25	18.25	18.25					
5	HQAM	12	0	18.26	18.27	18.28	18.28					
5	HQAM	12	0	18.26	18.28	18.28	18.28					
5	HQAM	12	13	18.26	18.28	18.28	18.28	20.2	0			
5	HQAM	25	0	18.27	18.37	18.34	18.34					
5	25QAM	1	12	17.62	17.62	17.60	17.60	19	1.2			
5	25QAM	1	12	17.74	17.73	17.77	17.77					
5	25QAM	1	24	17.73	17.83	17.88	17.88					
5	25QAM	1	7	17.61	17.61	17.61	17.61	19	1.2			
5	25QAM	12	7	17.61	17.70	17.66	17.66					
5	25QAM	12	13	17.68	17.72	17.68	17.68	19	1.2			

Band 12_Ant 0										
RW [MHz]	Modulation	RB Size	RF Offset	Power [dBm]	Power Ch. 1/Freq	Power Ch. 2/Freq	Power Ch. 3/Freq	Turn-up time [s/min]	MPE [dB]	
Channel				23005	23095	23135				
Frequency (MHz)				704	707.5	711				
5	QPSK	1	0	22.01	22.07	22.04				
10	QPSK	1	0	22.03	22.09	22.04				
10	QPSK	1	49	22.94	22.95	22.87		24	0	
10	QPSK	25	0	22.82	22.85	22.82				
10	QPSK	25	0	22.80	22.84	22.77				
10	QPSK	25	49	22.95	22.97	22.86				
10	QPSK	1	0	22.87	22.87	22.76				
10	QPSK	1	26	22.83	22.84	22.68		24	0	
10	QPSK	25	69	22.93	22.94	22.88				
10	QPSK	25	0	22.91	22.93	22.80				
10	QPSK	25	15	22.92	22.94	22.81				
10	QPSK	50	20	22.09	22.11	22.08		23	1	
10	QPSK	50	20	22.09	22.09	22.02				
10	QPSK	1	0	22.96	22.91	22.91				
10	QPSK	1	0	22.93	22.93	22.86				
10	QPSK	1	49	22.85	22.85	22.75		23	1	
10	QPSK	25	0	21.00	21.02	21.01				
10	QPSK	25	0	21.03	21.03	21.03				
10	QPSK	25	20	21.12	21.08	21.03		22	2	
10	QPSK	50	0	21.11	21.01	21.08				
10	QPSK	20	0	18.74	18.82	18.77				
10	25QAM	1	20	18.73	18.78	18.72				
10	25QAM	1	49	18.74	18.75	18.63				
10	25QAM	1	78	18.78	18.77	18.65				
10	25QAM	25	12	18.78	18.81	18.66				
10	25QAM	25	20	18.76	18.77	18.69				
10	25QAM	25	49	18.78	18.78	18.67				
Channel				23035	23095	23135	Turn-up time [s/min]			
Frequency (MHz)				701.5	707.5	710.5				
5	QPSK	1	0	22.49	22.44	22.42				
5	QPSK	1	0	22.49	22.49	22.38				
5	QPSK	1	24	22.51	22.52	22.47		24	0	
5	QPSK	1	24	22.52	22.58	22.47				
5	QPSK	12	19	22.52	22.58	22.47				
5	QPSK	12	19	22.51	22.57	22.72		24	0	
5	QPSK	12	19	22.78	22.78	22.70				
5	QPSK	25	0	22.47	22.47	22.36				
5	QPSK	25	0	22.80	22.82	22.70				
5	QPSK	1	19	22.87	22.92	22.82				
5	QPSK	1	19	22.87	22.87	22.76				
5	QPSK	12	19	22.02	22.04	21.98				
5	QPSK	12	7	22.14	22.08	22.11		23	1	
5	QPSK	12	19	22.09	22.09	22.04				
5	QPSK	1	0	22.08	22.02	22.00				
5	QPSK	1	0	22.17	22.28	22.15				
5	QPSK	1	0	22.09	22.09	22.00		23	1	
5	QPSK	1	24	22.16	22.24	22.11				
5	QPSK	12	0	21.01	20.99	21.01				
5	QPSK	12	0	21.04	21.04	21.03				
5	QPSK	12	19	21.08	21.08	21.02		22	2	
5	QPSK	25	0	21.07	21.04	21.03				
5	QPSK	25	0	21.07	21.07	21.03				
5	QPSK	1	12	18.52	18.57	18.38				
5	25QAM	1	24	18.69	18.65	18.54		19	5	
5	25QAM	1	49	18.73	18.72	18.60				
5	25QAM	12	7	18.68	18.77	18.65				
5	25QAM	12	19	18.54	18.62	18.63				
5	25QAM	25	6	18.62	18.63	18.54				
Channel				23055	23095	23135	Turn-up time [s/min]			
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.76	22.57	22.41				
3	QPSK	1	0	22.76	22.76	22.41				
3	QPSK	1	14	22.67	22.69	22.54		24	0	
3	QPSK	1	0	22.75	22.75	22.69				
3	QPSK	1	0	22.82	22.82	22.74				
3	QPSK	8	7	22.80	22.76	22.46		24	0	
3	QPSK	15	0	22.71	22.68	22.72				
3	QPSK	15	0	22.74	22.74	22.58				
3	QPSK	1	8	22.93	22.91	22.41				
3	QPSK	1	8	22.93	22.93	22.41				
3	QPSK	8	4	22.18	21.92	22.04				
3	QPSK	8	4	22.12	20.20	21.94		23	1	
3	QPSK	8	4	22.07	20.58	21.94				
3	QPSK	15	0	22.07	22.07	22.00				
3	QPSK	1	0	22.42	22.28	22.28				
3	QPSK	1	0	22.43	22.43	22.28				
3	QPSK	1	14	22.49	22.15	22.21		23	1	
3	QPSK	8	0	21.12	20.93	20.96				
3	QPSK	8	0	21.02	20.96	21.02				
3	QPSK	8	7	21.19	21.08	21.01		22	2	
3	QPSK	15	0	21.11	20.95	21.01				
3	QPSK	15	0	21.12	21.02	21.02				
3	QPSK	1	8	18.67	18.71	18.68				
3	25QAM	1	8	18.67	18.67	18.68				
3	25QAM	1	14	18.69	18.61	18.62				
3	25QAM	1	22	18.72	18.66	18.66				
3	25QAM	8	4	18.74	18.71	18.54		19	5	
3	25QAM	8	7	18.58	18.74	18.54				
3	25QAM	15	0	18.63	18.63	18.66				
Channel				23071	23095	23173	Turn-up time [s/min]			
Frequency (MHz)				699.7	707.5	713.5				
14	1	1	0	22.62	22.57	22.44				
14	1	1	0	22.78	22.74	22.43				
14	1	1	6	22.71	22.67	22.53		24	0	
14	1	1	0	22.72	22.69	22.69				
14	1	1	0	22.84	22.84	22.69				
14	1	1	6	22.71	22.68	22.68				
14	1	1	0	22.55	22.55	22.39				
14	1	1	3	22.88	22.84	22.84				
14	QPSK	1	0	22.82	22.82	22.69				
14	QPSK	3	0	22.89	22.90	22.83				
14	QPSK	1	1	22.86	22.71	22.72				
14	QPSK	1	1	22.86	22.78	22.78				
14	QPSK	1	6	21.90	22.01	22.10		23	1	
14	QPSK	1	0	21.50	22.29	21.62				
14	QPSK	1	0	21.11	21.13	21.13				
14	QPSK	1	0	22.38	22.63	22.01		23	1	
14	QPSK	3	0	22.01	22.03	22.01				
14	QPSK	3	0	22.08	22.03	22.09				
14	QPSK	3	0	22.17	22.17	21.93				
14	QPSK	3	0	22.05	22.12	21.80		22	2	
14	QPSK	3	0	21.10	21.11	21.01				
14	QPSK	1	0	18.70	18.86	18.89				
14	25QAM	1	5	18.67	18.71	18.59		19	5	
14	25QAM	1	10	18.67	18.67	18.67				
14	25QAM	1	1	18.76	18.79	18.51				
14	25QAM	3	0	18.67	18.62	18.65				
14	25QAM	3	0	18.67	18.67	18.65				



Band 12_Ant 1										
BW [MHz]	Modulation	RB Size	RE Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup time (dB)	MPE (dB)		
Channel				23060	23065	23110				
10	QPSK	1	0	22.41	22.42	22.38	24	0		
10	QPSK	1	25	22.35	22.38	22.28				
10	QPSK	25	0	22.08	22.13	21.94	23	1		
10	QPSK	25	12	22.08	22.09	21.94				
10	QPSK	50	0	22.07	22.08	21.87	22	2		
10	16QAM	1	0	22.07	22.23	22.21				
10	16QAM	1	49	22.18	22.01	22.31	23	1		
10	16QAM	25	0	20.95	20.99	20.98				
10	16QAM	25	12	21.17	21.03	21.09	22	2		
10	16QAM	25	25	21.06	21.10	21.06				
10	16QAM	50	0	21.12	20.95	21.08	22	2		
10	64QAM	1	0	21.12	21.34	21.51				
10	64QAM	1	25	21.39	21.20	21.25	22	2		
10	64QAM	1	49	20.84	21.26	21.17				
10	64QAM	25	0	19.98	20.97	19.98	21	3		
10	64QAM	25	12	20.18	20.90	20.10				
10	64QAM	25	25	20.03	20.84	20.17	19	5		
10	256QAM	1	0	20.03	20.90	20.97				
10	256QAM	1	0	18.90	18.12	17.97	19	5		
10	256QAM	1	25	18.98	18.10	17.85				
10	256QAM	1	49	17.85	18.08	17.87	19	5		
10	256QAM	25	0	17.71	18.00	17.65				
10	256QAM	25	12	17.85	18.08	17.65	19	5		
10	256QAM	25	25	18.07	18.15	18.08				
10	256QAM	50	0	18.02	18.11	18.01	20	2		
Channel				23065	23065	23155			Turnup time (dB)	MPE (dB)
Frequency (MHz)				704	707.5	711.5				
5	QPSK	1	0	22.24	22.18	22.40	24	0		
5	QPSK	1	12	22.39	22.52	22.41				
5	QPSK	1	24	22.33	22.38	22.34	23	1		
5	QPSK	12	0	21.91	21.95	21.96				
5	QPSK	12	7	22.07	21.94	22.04	22	2		
5	QPSK	12	13	21.99	21.94	22.04				
5	QPSK	25	0	22.03	21.92	21.97	23	1		
5	16QAM	1	0	22.15	22.10	22.19				
5	16QAM	1	12	22.03	22.02	22.03	22	2		
5	16QAM	1	24	22.17	22.31	22.40				
5	16QAM	12	0	21.90	21.86	21.91	23	1		
5	16QAM	12	7	22.03	21.94	22.04				
5	16QAM	12	13	21.13	20.96	21.07	22	2		
5	16QAM	25	0	21.08	21.13	20.98				
5	64QAM	1	0	21.94	21.97	21.94	22	2		
5	64QAM	1	12	20.97	21.10	21.22				
5	64QAM	1	24	21.28	21.13	21.27	21	3		
5	64QAM	12	0	19.89	20.94	19.95				
5	64QAM	12	7	19.97	20.90	20.14	19	5		
5	64QAM	12	13	20.12	20.96	20.95				
5	64QAM	25	0	17.88	18.07	17.82	19	5		
5	256QAM	1	0	17.81	17.96	17.83				
5	256QAM	1	12	18.01	18.00	18.01	19	5		
5	256QAM	1	24	17.93	17.95	17.83				
5	256QAM	12	0	17.90	17.80	17.91	19	5		
5	256QAM	12	7	17.85	17.88	17.78				
5	256QAM	12	13	17.88	18.05	18.07	20	2		
5	256QAM	25	0	18.00	18.00	17.93				
Channel				23065	23065	23165	Turnup time (dB)	MPE (dB)		
Frequency (MHz)				704.5	707.5	715.5				
3	QPSK	1	0	22.19	22.22	22.32	24	0		
3	QPSK	1	8	22.33	22.41	22.29				
3	QPSK	1	14	22.29	22.34	22.23	23	1		
3	QPSK	8	0	21.97	21.91	21.90				
3	QPSK	8	4	22.03	21.99	22.05	22	2		
3	QPSK	8	7	21.96	22.01	21.94				
3	16QAM	1	0	22.00	21.99	21.97	23	1		
3	16QAM	1	8	22.09	21.92	22.10				
3	16QAM	1	14	22.23	22.21	22.10	22	2		
3	16QAM	8	0	21.19	20.90	21.03				
3	16QAM	8	4	21.02	21.11	21.10	21	3		
3	16QAM	8	7	21.08	21.01	21.02				
3	16QAM	15	0	21.03	20.96	20.97	22	2		
3	64QAM	1	0	21.40	21.14	21.15				
3	64QAM	1	8	21.26	21.13	21.01	21	3		
3	64QAM	1	14	20.94	21.04	21.06				
3	64QAM	8	0	19.99	19.99	19.79	21	3		
3	64QAM	8	4	20.03	20.09	20.05				
3	64QAM	8	7	19.97	19.96	20.04	19	5		
3	256QAM	1	0	17.99	17.99	17.85				
3	256QAM	1	8	17.99	17.96	17.86	19	5		
3	256QAM	1	14	17.85	17.95	17.81				
3	256QAM	8	0	17.89	17.80	17.88	19	5		
3	256QAM	8	4	17.91	17.94	17.78				
3	256QAM	8	7	17.86	18.00	18.00	20	2		
3	256QAM	15	0	17.94	18.06	17.82				
Channel				23077	23085	23175	Turnup time (dB)	MPE (dB)		
Frequency (MHz)				707.5	710.5	719.5				
1.4	QPSK	1	0	22.36	22.37	22.29	24	0		
1.4	QPSK	1	3	22.30	22.28	22.22				
1.4	QPSK	1	6	22.12	22.22	22.10	23	1		
1.4	QPSK	3	0	22.23	22.24	22.23				
1.4	QPSK	3	1	22.19	22.18	22.16	22	2		
1.4	QPSK	3	1	22.23	22.32	22.19				
1.4	16QAM	1	0	21.92	22.14	22.08	23	1		
1.4	16QAM	1	6	22.11	22.29	22.11				
1.4	16QAM	1	6	22.10	21.94	22.20	22	2		
1.4	16QAM	3	0	21.90	22.02	22.03				
1.4	16QAM	3	1	22.08	22.24	22.03	21	3		
1.4	16QAM	3	3	21.99	21.80	22.10				
1.4	16QAM	6	0	20.97	20.81	21.00	22	2		
1.4	64QAM	1	0	20.98	21.29	21.27				
1.4	64QAM	1	3	21.30	21.06	21.16	22	2		
1.4	64QAM	1	6	20.73	21.16	21.08				
1.4	64QAM	3	0	20.51	20.81	20.95	19	5		
1.4	64QAM	3	1	21.29	20.99	21.14				
1.4	64QAM	3	3	20.88	21.06	20.95	19	5		
1.4	64QAM	6	0	19.80	19.85	19.78				
1.4	256QAM	1	0	19.80	19.85	19.78	19	5		
1.4	256QAM	1	3	18.90	19.07	17.82				
1.4	256QAM	1	6	17.88	17.94	17.89	19	5		
1.4	256QAM	1	9	17.79	17.98	17.88				
1.4	256QAM	3	1	17.85	17.87	17.85	19	5		
1.4	256QAM	3	3	17.97	18.11	17.99				
1.4	256QAM	3	6	17.96	18.10	17.85	19	5		



Band 17_Ant 1															
BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch./Freq.	Power Middle Ch./Freq.	Power Low Ch./Freq.	Turn-up time (min)	MPE (dB)							
Channel				23705	23750	23805									
Frequency [MHz]				706.5	710	713.5									
10	QPSK	1	0	22.35	22.35	22.35	24	0							
10	QPSK	1	25	22.27	22.32	22.28									
10	QPSK	1	49	22.11	22.25	22.25									
10	QPSK	25	0	22.11	22.14	22.12									
10	QPSK	25	12	22.10	21.88	22.01	23	1							
10	QPSK	25	25	22.00	22.22	22.07									
10	QPSK	50	0	22.01	22.05	22.00									
10	QPSK	1	5	22.05	22.23	22.30									
10	16QAM	1	5	22.10	22.20	22.15	23	1							
10	16QAM	1	49	22.38	22.30	22.34									
10	16QAM	25	0	22.02	21.91	22.06									
10	16QAM	25	12	21.92	21.11	21.94									
10	16QAM	50	0	21.94	21.06	21.87	22	2							
10	16QAM	50	0	21.86	21.06	21.88									
10	16QAM	1	5	21.92	21.23	21.97									
10	16QAM	1	25	21.25	21.09	21.25									
10	16QAM	1	49	21.19	21.23	21.03	22	2							
10	16QAM	25	0	20.94	19.99	19.94									
10	16QAM	25	12	19.99	20.19	19.94									
10	16QAM	25	25	20.15	20.03	19.94									
10	256QAM	1	0	18.17	18.18	18.06	19	5							
10	256QAM	1	25	18.01	18.13	18.05									
10	256QAM	1	49	18.11	18.05	18.12									
10	256QAM	25	0	18.00	18.14	18.04									
10	256QAM	25	12	18.10	18.10	18.11	19	5							
10	256QAM	25	25	18.04	18.17	18.03									
10	256QAM	50	0	18.08	18.20	18.07									
Channel				23705	23750	23805									
Frequency [MHz]				706.5	710	713.5									
5	QPSK	1	0	22.30	22.18	22.11	24	0							
5	QPSK	1	12	22.30	22.31	22.34									
5	QPSK	1	24	22.18	22.20	22.24									
5	QPSK	12	0	22.00	21.98	21.96									
5	QPSK	12	7	22.05	22.11	21.95	23	1							
5	QPSK	12	14	22.00	22.04	22.04									
5	QPSK	25	0	22.04	21.98	21.98									
5	16QAM	1	0	22.28	22.19	22.01									
5	16QAM	1	12	22.23	22.10	22.29	23	1							
5	16QAM	1	24	22.33	22.09	22.33									
5	16QAM	12	0	21.92	21.62	21.98									
5	16QAM	12	7	21.14	20.97	20.99									
5	16QAM	12	13	21.13	21.09	21.02	22	2							
5	16QAM	25	0	20.98	21.04	20.90									
5	16QAM	25	0	21.38	21.34	21.35									
5	16QAM	25	0	20.93	20.97	20.99									
5	16QAM	1	12	21.33	21.20	21.34	22	2							
5	16QAM	1	24	21.44	21.46	21.40									
5	16QAM	12	7	19.95	20.07	20.10									
5	16QAM	12	13	20.09	20.06	19.94									
5	256QAM	1	0	18.02	18.10	18.04	19	5							
5	256QAM	1	12	17.89	18.05	18.03									
5	256QAM	1	24	18.07	18.10	18.10									
5	256QAM	12	0	17.85	18.13	17.89									
5	256QAM	12	7	18.14	18.06	18.06	19	5							
5	256QAM	12	13	17.95	18.09	17.97									
5	256QAM	25	0	17.85	18.08	17.85									
Channel				23705	23750	23805									
Frequency [MHz]				706.5	710	713.5									

Band 25_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup time (min)	MPE (dB)			
Channel				23810	23850	23900					
Frequency (MHz)				1860	1860	1860					
20	QPSK	1	0	21.63	21.70	21.65	23.2	0			
20	QPSK	1	49	21.51	21.65	21.62					
20	QPSK	1	99	21.54	21.58	21.61					
20	QPSK	50	0	21.62	21.68	21.60					
20	QPSK	50	24	21.49	21.55	21.57	23	0.2			
20	QPSK	50	50	21.55	21.58	21.56					
20	QPSK	100	0	21.61	21.65	21.68					
20	16QAM	1	5	21.56	21.66	21.64					
20	16QAM	1	49	21.59	21.68	21.61	23	0.2			
20	16QAM	1	99	21.57	21.67	21.56					
20	16QAM	50	0	21.54	21.57	21.62					
20	16QAM	50	24	21.51	21.56	21.64					
20	16QAM	50	50	21.57	21.59	21.51	23	0.2			
20	16QAM	100	0	21.50	21.65	21.51					
20	16QAM	1	5	21.61	21.67	21.59					
20	16QAM	1	49	21.50	21.61	21.57					
20	16QAM	1	99	21.57	21.58	21.59	23	0.2			
20	16QAM	50	0	21.13	20.93	21.10					
20	16QAM	50	24	21.08	21.07	21.09					
20	16QAM	50	50	20.99	20.96	21.09					
20	256QAM	1	0	21.08	20.98	21.15	22	1.2			
20	256QAM	1	0	18.60	18.60	18.61					
20	256QAM	1	49	18.65	18.63	18.72					
20	256QAM	1	99	18.74	18.71	18.70					
20	256QAM	50	0	18.60	18.62	18.68	19	4.2			
20	256QAM	50	24	18.62	18.75	18.65					
20	256QAM	50	49	18.62	18.75	18.65					
20	256QAM	50	50	18.67	18.75	18.65					
20	256QAM	100	0	18.59	18.70	18.65	20	1.2			
Channel				23810	23850	23900					
Frequency (MHz)				1860	1860	1860					
15	QPSK	1	0	21.62	21.61	21.55	23.2	0			
15	QPSK	1	37	21.29	21.61	21.48					
15	QPSK	1	74	21.48	21.65	21.48					
15	QPSK	36	0	21.49	21.64	21.58					
15	QPSK	36	20	21.49	21.52	21.49	23	0.2			
15	QPSK	36	20	21.44	21.64	21.54					
15	QPSK	75	0	21.59	21.63	21.63					
15	16QAM	1	5	21.44	21.62	21.59					
15	16QAM	1	37	21.57	21.67	21.59	23	0.2			
15	16QAM	1	74	21.52	21.59	21.41					
15	16QAM	36	0	21.46	21.64	21.52					
15	16QAM	36	20	21.46	21.54	21.56	23	0.2			
15	16QAM	75	0	21.49	21.59	21.63					
15	16QAM	1	5	21.60	21.56	21.40					
15	16QAM	1	37	21.52	21.57	21.43					
15	16QAM	1	74	21.49	21.47	21.51	20	1.2			
15	16QAM	36	20	21.07	20.96	21.09					
15	256QAM	1	37	18.67	18.79	18.71					
15	256QAM	1	74	18.67	18.77	18.67					
15	256QAM	1	37	18.67	18.77	18.70	19	4.2			
15	256QAM	36	20	18.62	18.74	18.64					
15	256QAM	75	0	18.65	18.65	18.65					
15	256QAM	1	74	18.52	18.61	18.61					



Band 26(FCC)_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. [dB]	MPE [dB]		
Channel										
Frequency [MHz]				821.5	811.5	811.5				
16	QPSK	1	0	22.36	22.38	22.41	24	0		
16	QPSK	1	37	22.75	22.78	22.80				
16	QPSK	1	74	22.68	22.70	22.56	24	0		
16	QPSK	36	0	22.60	22.68	22.66				
16	QPSK	36	20	22.55	22.58	22.50	24	0		
16	QPSK	36	39	22.40	21.43	22.45				
16	QPSK	75	0	22.53	22.57	22.30	24	0		
16	16QAM	1	0	22.81	22.80	22.82				
16	16QAM	1	37	22.85	22.75	22.85	24	0		
16	16QAM	1	74	22.99	22.98	22.91				
16	16QAM	36	0	21.82	21.67	21.98	23	1		
16	16QAM	36	20	21.84	21.70	21.54				
16	16QAM	75	0	21.79	21.83	21.53	23	1		
16	16QAM	75	0	21.84	21.68	21.51				
16	64QAM	1	0	21.70	21.82	21.89	23	1		
16	64QAM	1	37	21.76	21.83	21.78				
16	64QAM	1	74	21.80	21.56	21.53	22	2		
16	64QAM	36	0	20.79	20.87	20.97				
16	64QAM	36	20	20.82	20.82	20.48	22	2		
16	64QAM	36	39	20.80	20.62	20.54				
16	64QAM	75	0	20.82	20.87	20.49	19	5		
16	256QAM	1	0	18.74	18.79	18.70				
16	256QAM	1	37	18.72	18.80	18.85	19	5		
16	256QAM	1	74	18.80	18.82	18.81				
16	256QAM	36	0	18.67	18.73	18.65	19	5		
16	256QAM	36	20	18.79	18.80	18.70				
16	256QAM	36	39	18.75	18.85	18.70	16	5		
16	256QAM	75	0	18.76	18.83	18.70				
Channel										
Frequency [MHz]				816	811.5	811.5	Turn-up Int. [dB]	MPE [dB]		
16	QPSK	1	0	22.78	22.78	22.80	24	0		
16	QPSK	1	25	22.64	22.72	22.58				
16	QPSK	1	49	22.53	21.43	22.45	24	0		
16	QPSK	25	0	22.46	22.61	22.44				
16	QPSK	25	12	22.50	22.51	22.37	24	0		
16	QPSK	25	26	22.39	22.37	22.23				
16	QPSK	50	0	22.43	22.53	22.16	24	0		
16	16QAM	1	0	22.74	22.63	22.55				
16	16QAM	1	25	22.73	22.71	22.63	24	0		
16	16QAM	1	49	22.90	22.44	22.47				
16	16QAM	25	0	21.89	21.63	21.51	23	1		
16	16QAM	25	12	21.73	21.67	21.44				
16	16QAM	25	25	21.76	21.51	21.46	23	1		
16	16QAM	50	0	21.70	21.63	21.42				
16	64QAM	1	0	21.69	21.78	21.66	23	1		
16	64QAM	1	25	21.66	21.71	21.68				
16	64QAM	1	49	21.86	21.49	21.50	22	2		
16	64QAM	25	0	20.79	20.80	20.47				
16	64QAM	25	12	20.81	20.54	20.47	22	2		
16	64QAM	25	25	20.71	20.58	20.34				
16	64QAM	50	0	20.71	20.87	20.34	19	5		
16	256QAM	1	0	18.69	18.72	18.56				
16	256QAM	1	25	18.66	18.72	18.59	19	5		
16	256QAM	1	49	18.74	18.81	18.77				
16	256QAM	25	0	18.52	18.67	18.52	19	5		
16	256QAM	25	12	18.67	18.63	18.43				
16	256QAM	25	25	18.51	18.73	18.66	16	5		
16	256QAM	50	0	18.58	18.81	18.67				
Channel										
Frequency [MHz]				811.5	811.5	811.5	Turn-up Int. [dB]	MPE [dB]		
5	QPSK	1	0	22.82	22.88	22.81	24	0		
5	QPSK	1	12	22.61	22.67	22.80				
5	QPSK	1	24	22.66	22.63	22.83	24	0		
5	QPSK	12	0	22.57	22.68	22.50				
5	QPSK	12	7	22.51	22.47	22.39	24	0		
5	QPSK	12	14	22.38	22.40	22.21				
5	QPSK	25	0	22.52	22.54	22.38	24	0		
5	16QAM	1	0	22.74	22.75	22.53				
5	16QAM	1	12	22.71	22.68	22.46	24	0		
5	16QAM	1	24	22.92	22.44	22.16				
5	16QAM	12	0	21.67	21.58	21.56	23	1		
5	16QAM	12	7	21.69	21.48	21.52				
5	16QAM	12	13	21.72	21.55	21.46	23	1		
5	16QAM	25	0	21.62	21.66	21.38				
5	64QAM	1	0	21.67	21.78	21.65	23	1		
5	64QAM	1	12	21.61	21.76	21.72				
5	64QAM	1	24	21.66	21.42	21.49	22	2		
5	64QAM	12	0	20.64	20.62	20.32				
5	64QAM	12	7	20.72	20.59	20.45	22	2		
5	64QAM	12	13	20.69	20.47	20.46				
5	64QAM	25	0	20.69	20.65	20.38	19	5		
5	256QAM	1	0	18.60	18.62	18.59				
5	256QAM	1	12	18.66	18.76	18.54	19	5		
5	256QAM	1	24	18.71	18.72	18.68				
5	256QAM	12	0	18.62	18.70	18.56	19	5		
5	256QAM	12	7	18.67	18.79	18.66				
5	256QAM	12	13	18.51	18.73	18.61	16	5		
5	256QAM	25	0	18.61	18.75	18.61				
Channel										
Frequency [MHz]				811.5	811.5	811.5	Turn-up Int. [dB]	MPE [dB]		
3	QPSK	1	0	22.76	22.78	22.77	24	0		
3	QPSK	1	8	22.63	22.67	22.54				
3	QPSK	1	14	22.66	22.68	22.53	24	0		
3	QPSK	8	0	22.49	22.55	22.52				
3	QPSK	8	7	22.52	22.47	22.41	24	0		
3	QPSK	8	14	22.39	22.32	22.24				
3	QPSK	15	0	22.42	22.47	22.17	24	0		
3	16QAM	1	0	22.72	22.74	22.52				
3	16QAM	1	8	22.74	22.72	22.54	24	0		
3	16QAM	1	14	22.96	22.43	22.38				
3	16QAM	8	0	21.79	21.61	21.53	23	1		
3	16QAM	8	7	21.74	21.68	21.47				
3	16QAM	8	14	21.85	21.56	21.52	23	1		
3	16QAM	15	0	21.79	21.66	21.43				
3	64QAM	1	0	21.63	21.62	21.67	23	1		
3	64QAM	1	8	21.72	21.70	21.70				
3	64QAM	1	14	21.68	21.52	21.46	22	2		
3	64QAM	8	0	20.73	20.68	20.55				
3	64QAM	8	7	20.76	20.57	20.41	22	2		
3	64QAM	8	14	20.79	20.64	20.47				
3	64QAM	15	0	20.72	20.72	20.48	19	5		
3	256QAM	1	0	18.58	18.70	18.50				
3	256QAM	1	8	18.67	18.80	18.65	19	5		
3	256QAM	1	14	18.66	18.65	18.53				
3	256QAM	8	0	18.66	18.77	18.63	19	5		
3	256QAM	8	7	18.76	18.76	18.63				
3	256QAM	8	14	18.74	18.73	18.65	16	5		
3	256QAM	15	0	18.74	18.73	18.65				
Channel										
Frequency [MHz]				809.7	809.65	810.03	Turn-up Int. [dB]	MPE [dB]		
1.4	QPSK	1	0	22.42	22.52	22.71	24	0		
1.4	QPSK	1	3	22.63	22.55	22.28				
1.4	QPSK	1	5	22.94	22.50	22.39	24	0		
1.4	QPSK	1	7	22.77	22.42	22.55				
1.4	QPSK	1	11	22.83	22.52	22.31	24	0		
1.4	QPSK	3	0	22.71	22.58	22.36				
1.4	QPSK	3	3	22.75	22.43	22.32	24	0		
1.4	16QAM	1	0	22.78	22.80	22.82				
1.4	16QAM	1	3	22.82	22.72	22.55	24	0		
1.4	16QAM	1	5	22.92	22.48	22.31				
1.4	16QAM	3	0	22.79	22.80	22.82	24	0		
1.4	16QAM	3	3	22.88	22.75	22.48				
1.4	16QAM	6	0	22.79	22.48	22.48	23	2		
1.4	16QAM	6	0	22.09	21.72	21.73				
1.4	16QAM	1	0	21.83	21.97	21.94	23	1		
1.4	16QAM	1	3	21.98	21.78	21.81				
1.4	16QAM	3	0	22.14	21.70	21.69	23	1		
1.4	16QAM	3	3	22.19	21.76	21.69				
1.4	16QAM	3	6	22.01	21.93	21.81	22	2		
1.4	16QAM	6	0	21.87	21.87	21.87				
1.4	16QAM	6	3	21.87	21.72	21.87	22	2		
1.4	16QAM	6	6	21.89	21.81	18.54				
1.4	16QAM	1	1	18.72	18.78	18.58	19	5		
1.4	16QAM	1	2	18.75	18.75	18.58				
1.4	16QAM	6	0	18.73	18.73	18.72	19	5		

Band 66_Ant 1												
WV (MHz)	Modulation	RB Bin	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-use limit (min)	MPR (dB)				
Channel												
Frequency (MHz)												
1720.2 1746.5 1772.8												
20	QPSK	1	0	15.55	15.59	15.57	16.7	0				
20	QPSK	1	40	15.43	15.51	15.25						
20	QPSK	1	80	15.43	15.53	15.32						
20	QPSK	50	0	15.55	15.59	15.53						
20	QPSK	50	24	15.50	15.59	15.37	16.7	0				
20	QPSK	50	40	15.41	15.57	15.42						
20	QPSK	100	0	15.28	15.57	15.37						
20	HQAM	1	0	15.50	15.58	15.48						
20	HQAM	1	40	15.41	15.44	15.42	16.7	0				
20	HQAM	1	80	15.46	15.58	15.31						
20	HQAM	50	0	15.52	15.49	15.30						
20	HQAM	50	24	15.57	15.59	15.42						
20	HQAM	50	50	15.40	15.58	15.38	16.7	0				
20	HQAM	100	0	15.42	15.53	15.45						
20	HQAM	1	0	15.50	15.55	15.30						
20	HQAM	1	40	15.57	15.53	15.45						
20	HQAM	1	80	15.43	15.54	15.52	16.7	0				
20	HQAM	50	0	15.57	15.54	15.47						
20	HQAM	50	24	15.54	15.44	15.25						
20	HQAM	50	50	15.35	15.51	15.52						
20	HQAM	100	0	15.40	15.46	15.36	16.7	0				
20	SSBQAM	1	0	15.42	15.53	15.25						
20	SSBQAM	1	40	15.57	15.58	15.45						
20	SSBQAM	1	80	15.43	15.50	15.23						
20	SSBQAM	50	0	15.58	15.56	15.38	16.7	0				
20	SSBQAM	50	24	15.53	15.53	15.70						
20	SSBQAM	50	50	15.46	15.41	15.40						
20	SSBQAM	100	0	15.42	15.53	15.38						
Channel												
Frequency (MHz)												
1720.2 1746.5 1772.8												
15	QPSK	1	0	15.44	15.52	15.48	16.7	0				
15	QPSK	1	37	15.28	15.45	15.16						
15	QPSK	1	74	15.42	15.45	15.35						
15	QPSK	36	0	15.50	15.57	15.42						
15	QPSK	36	20	15.42	15.59	15.28	16.7	0				
15	QPSK	36	39	15.37	15.50	15.24						
15	QPSK	75	0	15.20	15.49	15.27						
15	HQAM	1	0	15.38	15.59	15.47						
15	HQAM	1	37	15.33	15.31	15.38	16.7	0				
15	HQAM	1	74	15.40	15.50	15.22						
15	HQAM	36	0	15.44	15.46	15.20						
15	HQAM	36	20	15.58	15.57	15.29						
15	HQAM	36	39	15.39	15.50	15.24	16.7	0				
15	HQAM	75	0	15.27	15.38	15.42						
15	HQAM	1	0	15.52	15.46	15.29						
15	HQAM	1	37	15.39	15.40	15.31						
15	HQAM	1	74	15.42	15.51	15.39	16.7	0				
15	HQAM	36	0	15.46	15.59	15.44						
15	HQAM	36	20	15.52	15.50	15.25						
15	HQAM	36	39	15.38	15.45	15.28						
15	HQAM	75	0	15.25	15.37	15.26	16.7	0				
15	SSBQAM	1	0	15.52	15.43	15.10						
15	SSBQAM	1	37	15.43	15.54	15.24						
15	SSBQAM	1	74	15.27	15.57	15.23						
15	SSBQAM	36	0	15.48	15.43	15.34	16.7	0				
15	SSBQAM	36	20	15.22	15.38	15.28						
15	SSBQAM	36	39	15.55	15.52	15.36						
15	SSBQAM	75	0	15.52	15.24	15.31						
Channel												
Frequency (MHz)												
1720.2 1746.5 1772.8												
10	QPSK	1	0	15.47	15.54	15.44	16.7	0				
10	QPSK	1	25	15.37	15.43	15.23						
10	QPSK	1	49	15.33	15.45	15.37						
10	QPSK	25	0	15.40	15.55	15.42						
10	QPSK	25	12	15.40	15.30	15.35	16.7	0				
10	QPSK	25	24	15.33	15.43	15.31						
10	QPSK	50	0	15.29	15.48	15.24						
10	HQAM	1	0	15.46	15.37	15.44						
10	HQAM	1	25	15.31	15.37	15.40	16.7	0				
10	HQAM	1	49	15.31	15.44	15.29						
10	HQAM	25	0	15.47	15.42	15.28						
10	HQAM	25	12	15.48	15.43	15.27						
10	HQAM	25	24	15.30	15.50	15.32	16.7	0				
10	HQAM	50	0	15.31	15.52	15.33						
10	HQAM	1	0	15.51	15.42	15.24						
10	HQAM	1	25	15.41	15.52	15.35						
10	HQAM	1	49	15.35	15.52	15.42	16.7	0				
10	HQAM	25	0	15.47	15.34	15.34						
10	HQAM	25	12	15.48	15.43	15.21						
10	HQAM	25	24	15.40	15.59	15.24						
10	HQAM	50	0	15.36	15.38	15.21	16.7	0				
10	SSBQAM	1	0	15.51	15.39	15.22						
10	SSBQAM	1	49	15.45	15.24	15.24						
10	SSBQAM	1	80	15.35	15.17	15.11						
10	SSBQAM	25	0	15.47	15.49	15.26	16.7	0				
10	SSBQAM	25	12	15.47	15.40	15.27						
10	SSBQAM	25	24	15.40	15.50	15.25						
10	SSBQAM	50	0	15.40	15.40	15.25						
10	SSBQAM	50	0	15.28	15.26	15.25	16.7	0				
10	SSBQAM	50	0	15.28	15.26	15.25						
10	SSBQAM	50	0	15.28	15.26	15.25						
10	SSBQAM	50	0	15.28	15.26	15.25						
Channel												
Frequency (MHz)												
1720.2 1746.5 1772.8												
5	QPSK	1	0	15.50	15.59	15.44	16.7	0				
5	QPSK	1	12	15.55	15.50	15.12						
5	QPSK	1	24	15.20	15.50	15.36						
5	QPSK	12	0	15.47	15.44	15.47						
5	QPSK	12	7	15.38	15.34	15.30	16.7	0				
5	QPSK	12	13	15.42	15.42	15.23						
5	QPSK	25	0	15.19	15.47	15.35						
5	HQAM	1	0	15.43	15.28	15.33						
5	HQAM	1	12	15.34	15.39	15.41	16.7	0				
5	HQAM	1	24	15.40	15.47	15.18						
5	HQAM	12	0	15.41	15.35	15.22						
5	HQAM	12	7	15.44	15.37	15.36						
5	HQAM	12	13	15.30	15.42	15.37	16.7	0				
5	HQAM	25	0	15.31	15.38	15.41						
5	HQAM	1	0	15.41	15.42	15.20						
5	HQAM	1	12	15.48	15.43	15.42						
5	HQAM	1	24	15.30	15.47	15.38	16.7	0				
5	HQAM	12	0	15.44	15.35	15.45						
5	HQAM	12	7	15.47	15.59	15.11						
5	HQAM	12	13	15.47	15.47	15.28						
5	SSBQAM	1	0	15.52	15.45	15.33	16.7	0				
5	SSBQAM	1	0	15.28	15.44	15.19						
5	SSBQAM	1	12	15.38	15.20	15.22						
5	SSBQAM	1	24	15.34	15.20	15.22						
5	SSBQAM	12	0	15.48	15.49	15.35	16.7	0				
5	SSBQAM	12	7	15.29	15.47	15.27						
5	SSBQAM	12	13	15.34	15.38	15.33						
5	SSBQAM	25	0	15.28	15.26	15.30						
Channel												
Frequency (MHz)												
1720.2 1746.5 1772.8												
3	QPSK	1	0	15.53	15.55	15.54	16.7	0				
3	QPSK	1	8	15.36	15.38	15.14						
3	QPSK	1	14	15.40	15.44	15.28						
3	QPSK	8	0	15.55	15.53	15.47						
3	QPSK	8	7	15.36	15.33	15.22	16.7	0				
3	QPSK	8	7	15.33	15.58	15.25						
3	QPSK	15	0	15.54	15.52	15.48						
3	HQAM	1	0	15.37	15.37	15.27						
3	HQAM	1	8	15.39	15.35	15.27	16.7	0				
3	HQAM	1	14	15.46	15.41	15.31						
3	HQAM	8	0	15.56	15.38	15.13						
3	HQAM	8	0	15.48	15.39	15.21						
3	HQAM	15	0	15.38	15.48	15.36	16.7	0				
3	HQAM	1	0	15.46	15.48	15.22						
3	HQAM	1	8	15.47	15.39	15.14						
3	HQAM	1	14	15.30	15.39	15.38						
3	HQAM	8	0	15.46	15.39	15.41	16.7	0				
3	HQAM	8	7	15.37	15.50	15.23						
3	HQAM	15	0	15.37	15.48	15.26						
3	HQAM	1	8	15.40	15.23	15.30						
3	HQAM	1	14	15.42	15.27	15.22	16.7	0				
3	HQAM	1	15	15.43	15.48	15.29						
3	HQAM	8	7	15.28	15.43	15.40						
3	HQAM	8	7	15.31	15.39	15.31						
3	HQAM	15	0	15.35	15.35	15.31	16.7	0				
Channel												
Frequency (MHz)												
1719.75 1746.5 1772.8												
1.4	QPSK	1	0	15.53	15.54	15.54				16.7	0	
1.4	QPSK	1	3	15.29	15.48	15.17						
1.4	QPSK	1	8	15.39	15.61	15.36						
1.4	QPSK	3	0	15.53	15.53	15.53						
1.4	QPSK	3	1	15.47	15.37	15.24	16.7	0				
1.4	QPSK	3	3	15.39	15.63	15.28						
1.4	QPSK	8	0	15.46	15.55	15.31						
1.4	HQAM	1	0	15.39	15.26	15.34						
1.4	HQAM	1	3	15.43	15.34	15.33	16.7	0				
1.4	HQAM	1	8	15.50	15.54	15.35						
1.4	HQAM	3	0	15.51	15.42	15.20						
1.4	HQAM	3	1	15.51	15.48	15.27						
1.4	HQAM	8	0	15.40	15.30	15.31	16.7	0				
1.4	HQAM	1	0	15.45	15.43	15.26						
1.4	HQAM	1	3	15.50	15.50	15.25						
1.4	HQAM	1	8	15.28	15.45	15.46						
1.4	HQAM	3	0	15.53	15.42	15.46	16.7	0				
1.4	HQAM	3	1	15.53	15.42	15.46						
1.4	HQAM	8	0	15.41	15.40	15.30						
1.4	HQAM	8	0	15.38	15.34	15.22						
1.4	HQAM	3	0	15.50	15.33	15.34	16.7	0				
1.4	HQAM	3	1	15.53	15.21	15.14						
1.4	HQAM	8	0	15.45	15.45	15.25						
1.4	HQAM	3	1	15.21	15.46	15.43						
1.4	SSBQAM	1	0	15.24	15.31	15.38	16.7	0				
1.4	SSBQAM	1	3	15.40	15.35	15.25						
1.4	SSBQAM	3	0	15.45	15.45	15.25						
1.4	SSBQAM	3	1	15.21	15.45	15.43						



Band 38_Ant 2													
RV [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq.	Power Low Ch / Freq.	Power High Ch / Freq.	Turnup time (min)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	5	22.88	22.88	22.88							
20	QPSK	1	49	22.85	22.84	22.79	24	0					
20	QPSK	1	96	22.82	22.78	22.74							
20	QPSK	50	5	22.84	22.88	22.72							
20	QPSK	50	24	22.78	22.71	22.71	24	0					
20	QPSK	50	50	22.87	22.71	22.89							
20	QPSK	100	5	22.72	22.72	22.68							
20	16QAM	1	5	22.82	22.82	22.85	24	0					
20	16QAM	1	49	22.79	22.78	22.65							
20	16QAM	1	96	22.76	22.65	22.68							
20	16QAM	50	5	22.81	22.49	22.37							
20	16QAM	50	24	22.54	22.42	22.36							
20	16QAM	50	50	22.86	22.50	22.38	23	1					
20	16QAM	100	5	22.84	22.42	22.36							
20	16QAM	100	5	21.54	21.45	21.35							
20	64QAM	1	49	22.82	22.61	22.58	23	1					
20	64QAM	1	96	22.87	22.44	22.35							
20	64QAM	1	49	21.57	21.48	21.38							
20	64QAM	50	24	21.56	21.41	21.40							
20	64QAM	50	50	21.58	21.48	21.28	22	2					
20	64QAM	100	5	21.54	21.45	21.35							
20	256QAM	1	49	19.17	19.39	19.29							
20	256QAM	1	49	19.34	19.40	19.28	21	3					
20	256QAM	1	99	19.32	19.32	19.18							
20	256QAM	50	5	19.15	19.28	19.17							
20	256QAM	50	24	19.38	19.35	19.25	21	3					
20	256QAM	50	50	19.34	19.18	19.27							
20	256QAM	100	5	19.28	19.38	19.32							
Channel													
Frequency (MHz)													
18	QPSK	1	5	22.74	22.75	22.58							
18	QPSK	1	37	22.75	22.81	22.75	24	0					
18	QPSK	1	74	22.73	22.72	22.61							
18	QPSK	36	5	22.79	22.68	22.61							
18	QPSK	36	20	22.65	22.68	22.68	24	0					
18	QPSK	36	36	22.54	22.62	22.68							
18	QPSK	75	5	22.73	22.68	22.62							
18	16QAM	1	5	22.70	22.52	22.63							
18	16QAM	1	37	22.65	22.65	22.61	24	0					
18	16QAM	1	74	22.71	22.54	22.59							
18	16QAM	36	5	22.55	22.44	22.30							
18	16QAM	36	20	22.44	22.38	22.35	23	1					
18	16QAM	36	36	22.52	22.44	22.21							
18	16QAM	75	5	22.51	22.27	22.26							
18	64QAM	1	74	22.48	22.34	22.32							
18	64QAM	1	37	22.47	22.50	22.40	23	1					
18	64QAM	1	74	22.56	22.32	22.31							
18	64QAM	36	5	21.43	21.38	21.38							
18	64QAM	36	20	21.45	21.27	21.32	22	2					
18	64QAM	36	36	21.44	21.42	21.34							
18	64QAM	75	5	21.52	21.38	21.35							
18	256QAM	1	5	19.06	19.25	19.14							
18	256QAM	1	37	19.21	19.33	19.24	21	3					
18	256QAM	1	74	19.18	19.28	19.18							
18	256QAM	36	5	19.09	19.15	19.14							
18	256QAM	36	20	19.06	19.22	19.10	21	3					
18	256QAM	36	36	19.09	19.32	19.15							
18	256QAM	75	5	19.20	19.25	19.17							
Channel													
Frequency (MHz)													
10	QPSK	1	5	22.74	22.73	22.59							
10	QPSK	1	25	22.79	22.83	22.75	24	0					
10	QPSK	1	49	22.67	22.63	22.72							
10	QPSK	25	5	22.80	22.74	22.44							
10	QPSK	25	12	22.75	22.58	22.68	24	0					
10	QPSK	25	24	22.68	22.68	22.68							
10	QPSK	50	5	22.71	22.67	22.58							
10	16QAM	1	5	22.81	22.67	22.64	24	0					
10	16QAM	1	25	22.75	22.65	22.63							
10	16QAM	1	49	22.71	22.61	22.60							
10	16QAM	25	5	22.57	22.49	22.30							
10	16QAM	25	12	22.43	22.34	22.32							
10	16QAM	25	24	22.54	22.49	22.20	23	1					
10	16QAM	50	5	22.49	22.29	22.17							
10	64QAM	1	5	22.54	22.33	22.18							
10	64QAM	1	25	22.56	22.56	22.56	23	1					
10	64QAM	1	49	22.45	22.31	22.19							
10	64QAM	25	5	21.53	21.45	21.22							
10	64QAM	25	12	21.44	21.38	21.39	22	2					
10	64QAM	25	24	21.44	21.40	21.25							
10	64QAM	50	5	21.43	21.39	21.51							
10	256QAM	1	5	19.14	19.16	19.08							
10	256QAM	1	25	19.33	19.32	19.21	21	3					
10	256QAM	1	49	19.30	19.23	19.14							
10	256QAM	25	5	19.01	19.25	19.10							
10	256QAM	25	12	19.35	19.22	19.11							
10	256QAM	25	24	19.35	19.20	19.04	21	3					
10	256QAM	50	5	19.19	19.30	19.27							
Channel													
Frequency (MHz)													
5	QPSK	1	5	22.75	22.74	22.50							
5	QPSK	1	12	22.81	22.74	22.71	24	0					
5	QPSK	1	24	22.68	22.65	22.61							
5	QPSK	12	5	22.74	22.62	22.43							
5	QPSK	12	7	22.69	22.57	22.58	24	0					
5	QPSK	12	18	22.53	22.59	22.67							
5	QPSK	25	5	22.72	22.67	22.58							
5	16QAM	1	5	22.73	22.51	22.63	24	0					
5	16QAM	1	12	22.65	22.71	22.64							
5	16QAM	1	24	22.49	22.51	22.63							
5	16QAM	12	5	22.55	22.49	22.36							
5	16QAM	12	7	22.45	22.45	22.38	23	1					
5	16QAM	12	13	22.46	22.42	22.23							
5	16QAM	25	5	22.51	22.38	22.22							
5	16QAM	25	5	22.53	22.38	22.12							
5	64QAM	1	12	22.55	22.55	22.47	23	1					
5	64QAM	1	24	22.44	22.37	22.21							
5	64QAM	12	5	21.53	21.42	21.38							
5	64QAM	12	7	21.50	21.32	21.30	22	2					
5	64QAM	12	13	21.52	21.30	21.28							
5	64QAM	25	5	21.47	21.31	21.32							
5	256QAM	1	5	19.09	19.16	19.09							
5	256QAM	1	12	19.21	19.31	19.20	21	3					
5	256QAM	1	24	19.14	19.22	19.08							
5	256QAM	12	5	19.07	19.19	19.15							
5	256QAM	12	7	19.26	19.32	19.17							
5	256QAM	12	13	19.17	19.32	19.12	21	3					
5	256QAM	25	5	19.27	19.31	19.24							

Band 38_Ant 1													
RV [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq.	Power Low Ch / Freq.	Power High Ch / Freq.	Turnup time (min)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	5	20.38	20.37	20.35							
20	QPSK	1	49	20.16	20.32	20.19	21.3	0					
20	QPSK	55	50	20.17	20.32	20.18							
20	QPSK	55	50	20.17	20.32	20.18							
20	QPSK	55	24	20.20	20.33	20.17	21.3	0					
20	QPSK	55	50	20.02	20.21	20.19							
20	QPSK	55	50	20.22	20.33	20.22							
20	16QAM	1	5	20.16	20.26	20.30							
20	16QAM	1	49	20.23	20.29	20.29	21.3	0					
20	16QAM	1	59	20.18	20.32	20.35							
20	16QAM	55	5	20.17	20.19	20.18							
20	16QAM	55	50	20.12	20.22	20.16	21.3	0					
20	16QAM	55	50	20.12	20.22	20.16							
20	16QAM	100	5	20.10	20.20	20.13							
20	16QAM	100	5	20.10	20.20	20.13							
20	16QAM	1	49	20.15	20.30	20.24	21.3	0					
20	16QAM	1	59	20.12	20.18	20.21							
20	16QAM	55	24	20.12	20.20	20.17							
20	16QAM	55	24	20.12	20.20	20.20	21.3	0.3					
20	16QAM	55	50	20.17	20.27	20.26							
20	16QAM	55	50	20.17	20.27	20.26							
20	25QAM	1	5	18.12	18.26	18.11							
20	25QAM	1	49	18.25	18.30	18.25	19	2.3					
20	25QAM	55	5	18.12	18.26	18.26							
20	25QAM	55	5	18.26	18.32	18.26							
20	25QAM	55	24	18.25	18.35	18.25	19	2.3					
20	25QAM	55	24	18.27	18.37	18.13							
20	25QAM	100	5	18.32	18.33	18.33							
Channel													
Frequency (MHz)													
15	QPSK	1	5	20.24	20.26	20.29							
15	QPSK	1	31	20.14	20.31	20.05	21.3	0					
15	QPSK	1	49	20.16	20.11	20.11							
15	QPSK	55	24	20.16	20.22	20.08							
15	QPSK	36	20	20.17	20.06	20.13	21.3	0					
15	QPSK	36	20	19.92	20.16	20.11							
15	QPSK	36	20	20.16	20.18	20.18							
15	16QAM	1	5	20.10	20.24	20.03							
15	16QAM	1	31	20.21	20.22	20.21	21.3	0					
15	16QAM	1	49	20.15	20.24	20.24							
15	16QAM	36	5	20.14	20.17	20.13							
15	16QAM	36	20	20.05	20.09	20.15	21.3	0					
15	16QAM	36	20	20.12	20.08	20.12							
15	16QAM	75	5	20.01	20.25	20.01							
15	16QAM	1	5	19.96	20.23	20.13	21.3	0					
15	16QAM	1	5	20.07	20.28	20.21							
15	16QAM	1	74	19.97	20.13	20.14							
15	16QAM	36	20	20.03	20.23	20.13							
15	16QAM	36	20	20.09	20.08	20.08	21.3	0.3					
15	25QAM	36	39	20.14	20.21	20.19							
15	25QAM	36	39	20.16	20.22	20.19							
15	25QAM	1	5	17.99	18.24	18.01							
15	25QAM	1	31	18.24	18.28	18.22	19	2.3					
15	25QAM	1	49	18.25	18.28	18.25							
15	25QAM	36	5	18.22	18.22	18.10							
15	25QAM	36	20	18.20	18.22	18.19							
15	25QAM	36	20	18.25	18.25	18.18	19	2.3					
15	25QAM	75	5	18.19	18.30	18.20							
Channel													
Frequency (MHz)													
10	QPSK	1	5	20.13	20.09	20.13							
10	QPSK	1	26	20.15	20.08	20.04	21.3	0					
10	QPSK	1	49	20.11	20.04	20.07							
10	QPSK	55	24	20.15	20.22	20.19							
10	QPSK	25	12	20.05	20.07	20.09	21.3	0					
10	QPSK	25	12	20.01	20.07	20.01							
10	QPSK	25	12	20.16	20.21	20.08							
10	16QAM	1	5	20.01	20.12	20.04							
10	16QAM	1	25	20.22	20.13	20.14	21.3	0					
10	16QAM	25	12	20.27	20.19	20.23							
10	16QAM	25	12	20.13	20.05	20.07							
10	16QAM	25	12	20.07	20.14	20.18	21.3	0					
10	16QAM	25	12	20.02	20.04	20.01							
10	16QAM	50	5	20.08	20.23	20.06							
10	16QAM	1	5	20.02	20.27	20.13	21.3	0					
10	16QAM	25	12	20.07	20.19	20.23							
10	16QAM	1	49	20.07	20.05	20.12							
10	25QAM	25	12	20.10	20.22	20.16	21.3	0.3					
10	25QAM	25	12	20.09	20.22	20.19							
10	25QAM	50	5	20.09	20.25	20.19							
10	25QAM	50	5	20.07	20.06	20.07							
10	25QAM	50	5	17.97	18.17	18.17							
10	25QAM	1	25	18.18	18.18	18.24	19	2.3					
10	25QAM	1	49	18.17	18.09	18.16							
10	25QAM	25	12	18.17	18.17	18.14							
10	25QAM	25	12	18.10	18.33	18.05							
10	25QAM	50	5	18.20	18.20	18.21	21.3	0					
10	25QAM	50	5	18.21	18.10	18.20							
Channel													
Frequency (MHz)													
5	QPSK	1	5	20.21	20.33	20.22							
5	QPSK	1	12	20.09	20.18	20.17	21.3	0					
5	QPSK	1	24	20.09	20.05	20.10							
5	QPSK	12	12	20.12	20.03	20.03							
5	QPSK	12	13	20.17	20.03	20.02	21.3	0					
5	QPSK	12	13	19.93	20.18	20.04							
5	QPSK	25	12	20.07	20.05	20.09							
5	16QAM	1	5	20.15	20.21	20.97							
5	16QAM	1	12	20.08	20.19	20.15	21.3	0					
5	16QAM	1	24	20.08	20.05	20.05							
5	16QAM	12	12	20.12	20.04	20.15							
5	16QAM	12	13	19.98	20.20	20.18	21.3	0					
5	16QAM	25	12	20.09	20.03	20.03							
5	16QAM	25	12	20.08	20.03	20.03							
5	16QAM	25	5	20.00	20.25	20.09							
5	16QAM	1	24	19.97	20.05	20.09	21.3	0					
5	16QAM	12	9	20.07	20.23	20.08							
5	16QAM	12	9	20.12	20.09	20.12							
5	16QAM	12	13	20.16	20.13	20.23							
5	25QAM	25	5	20.17	20.09	20.07	21.3	0.3					
5	25QAM	25	5	17.97	18.17	18.17							
5	25QAM	1	12	18.13	18.15	18.23	19	2.3					
5	25QAM	12	5	18.02	18.07	18.15							
5	25QAM	12	5	18.05	18.20	18.15							
5	25QAM	12	7	18.24	18.28	18.14	19	2.3					
5	25QAM	12	13	18.11	18.21	18.05							
5	25QAM	12	13	18.09	18.20	18.24							

Band 41_Ant 1															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Time-up int (ms)	MPE (dB)				
Channel				39700	40100	40500	40900	41300	41700						
Frequency (MHz)				2698.5	2748.5	2800.5	2850.5	2900.5	2950.5						
20	QPSK	1	0	20.31	20.29	20.40	20.38	20.35	20.33	21.3	0				
20	QPSK	1	49	20.27	20.21	20.38	20.22	20.23	20.23						
20	QPSK	1	98	20.23	20.13	20.26	20.17	20.21	20.21						
20	QPSK	50	0	20.28	20.28	20.34	20.30	20.32	20.32						
20	QPSK	50	24	20.27	20.22	20.28	20.27	20.31	20.31						
20	QPSK	50	49	20.17	20.17	20.29	20.25	20.28	20.28	21.3	0				
20	QPSK	100	0	20.22	20.28	20.30	20.28	20.28	20.28						
20	16QAM	1	0	20.24	20.25	20.34	20.22	20.29	20.29						
20	16QAM	1	49	20.20	20.24	20.35	20.32	20.24	20.24						
20	16QAM	1	99	20.23	20.28	20.39	20.34	20.21	20.21						
20	16QAM	50	0	20.19	20.20	20.26	20.33	20.26	20.26	21.3	0				
20	16QAM	50	24	20.23	20.21	20.26	20.27	20.30	20.30						
20	16QAM	50	49	20.25	20.14	20.26	20.21	20.32	20.32						
20	16QAM	100	0	20.27	20.20	20.38	20.26	20.18	20.18						
20	16QAM	100	49	20.21	20.26	20.30	20.22	20.18	20.18						
20	64QAM	1	0	20.24	20.14	20.36	20.29	20.19	20.19	21.3	0				
20	64QAM	1	49	20.20	20.14	20.37	20.27	20.18	20.18						
20	64QAM	1	99	20.29	20.24	20.29	20.31	20.27	20.27						
20	64QAM	50	0	20.19	20.27	20.35	20.29	20.29	20.29						
20	64QAM	50	24	20.19	20.24	20.29	20.24	20.24	20.24						
20	64QAM	50	49	20.28	20.16	20.30	20.24	20.32	20.32	21	0.3				
20	256QAM	100	0	20.21	20.26	20.30	20.22	20.18	20.18						
20	256QAM	1	0	18.26	18.32	18.40	18.34	18.25	18.25						
20	256QAM	1	49	18.43	18.33	18.47	18.41	18.32	18.32						
20	256QAM	1	99	18.25	18.20	18.35	18.31	18.35	18.35						
20	256QAM	50	0	18.27	18.31	18.33	18.27	18.29	18.29	19	2.3				
20	256QAM	50	24	18.40	18.39	18.45	18.39	18.32	18.32						
20	256QAM	50	49	18.38	18.32	18.42	18.31	18.38	18.38						
20	256QAM	100	0	18.33	18.37	18.47	18.43	18.32	18.32						
20	256QAM	100	49	18.26	18.33	18.43	18.36	18.30	18.30						
Channel				39700	40100	40500	40900	41300	41700	Time-up int (ms)	MPE (dB)				
Frequency (MHz)				2698.5	2748.5	2800.5	2850.5	2900.5	2950.5						
15	QPSK	1	0	20.25	20.14	20.33	20.34	20.28	20.28	21.3	0				
15	QPSK	1	97	20.14	20.07	20.31	20.13	20.10	20.10						
15	QPSK	1	14	20.13	20.10	20.25	20.16	20.15	20.15						
15	QPSK	36	0	20.23	20.18	20.20	20.24	20.30	20.30						
15	QPSK	36	20	20.17	20.11	20.23	20.21	20.23	20.23						
15	QPSK	75	0	20.09	20.11	20.23	20.23	20.23	20.23	21.3	0				
15	16QAM	1	0	20.15	20.13	20.25	20.14	20.27	20.27						
15	16QAM	1	97	20.07	20.07	20.27	20.20	20.21	20.21						
15	16QAM	1	14	20.10	20.19	20.21	20.22	20.22	20.22						
15	16QAM	36	0	20.24	20.24	20.31	20.25	20.30	20.30						
15	16QAM	36	20	20.16	20.14	20.25	20.15	20.11	20.11	21	0.3				
15	16QAM	36	20	20.14	20.06	20.27	20.20	20.23	20.23						
15	16QAM	75	0	20.18	20.05	20.23	20.16	20.22	20.22						
15	64QAM	1	0	20.06	20.07	20.14	20.19	20.21	20.21						
15	64QAM	1	97	20.07	20.11	20.25	20.14	20.08	20.08						
15	64QAM	1	14	20.19	20.19	20.21	20.22	20.22	20.22	19	2.3				
15	64QAM	36	0	20.24	20.24	20.31	20.25	20.30	20.30						
15	64QAM	36	20	20.16	20.14	20.24	20.15	20.11	20.11						
15	64QAM	36	20	20.14	20.06	20.27	20.20	20.23	20.23						
15	64QAM	75	0	20.18	20.05	20.23	20.16	20.22	20.22						
15	256QAM	1	0	18.14	18.16	18.31	18.19	18.19	18.19	19	2.3				
15	256QAM	1	97	18.29	18.19	18.42	18.35	18.18	18.18						
15	256QAM	1	14	18.14	18.13	18.33	18.26	18.15	18.15						
15	256QAM	36	0	18.15	18.28	18.25	18.20	18.20	18.20						
15	256QAM	36	20	18.26	18.14	18.35	18.35	18.20	18.20						
15	256QAM	75	0	18.32	18.28	18.37	18.38	18.19	18.19	19	2.3				
15	256QAM	75	0	18.33	18.31	18.41	18.36	18.20	18.20						
Channel				39700	40100	40500	40900	41300	41700			Time-up int (ms)	MPE (dB)		
Frequency (MHz)				2698.5	2748.5	2800.5	2850.5	2900.5	2950.5						
10	QPSK	1	0	20.25	20.14	20.33	20.34	20.28	20.28			21.3	0		
10	QPSK	1	25	20.13	20.15	20.33	20.20	20.17	20.17						
10	QPSK	1	49	20.21	20.13	20.25	20.16	20.15	20.15						
10	QPSK	25	0	20.25	20.17	20.30	20.17	20.28	20.28						
10	QPSK	25	12	20.21	20.16	20.20	20.22	20.28	20.28						
10	QPSK	25	49	20.18	20.13	20.26	20.18	20.19	20.19	21.3	0				
10	QPSK	50	0	20.15	20.12	20.25	20.21	20.14	20.14						
10	16QAM	1	0	20.12	20.20	20.25	20.14	20.22	20.22						
10	16QAM	1	49	20.22	20.24	20.35	20.32	20.15	20.15						
10	16QAM	25	0	20.07	20.05	20.14	20.22	20.21	20.21						
10	16QAM	25	12	20.21	20.19	20.19	20.15	20.25	20.25	21.3	0				
10	16QAM	25	25	20.11	20.07	20.16	20.09	20.22	20.22						
10	16QAM	50	0	20.23	20.05	20.28	20.21	20.05	20.05						
10	64QAM	1	0	20.18	20.13	20.26	20.18	20.19	20.19						
10	64QAM	1	25	20.04	20.06	20.30	20.21	20.17	20.17						
10	64QAM	1	49	20.28	20.12	20.22	20.24	20.21	20.21	21	0.3				
10	64QAM	25	0	20.13	20.19	20.20	20.17	20.29	20.29						
10	64QAM	25	12	20.13	20.14	20.17	20.22	20.20	20.20						
10	64QAM	25	25	20.14	20.04	20.20	20.12	20.25	20.25						
10	64QAM	50	0	20.12	20.23	20.23	20.07	20.05	20.05						
10	256QAM	1	0	18.20	18.26	18.32	18.41	18.36	18.36	19	2.3				
10	256QAM	1	25	18.28	18.32	18.41	18.36	18.29	18.29						
10	256QAM	1	49	18.22	18.17	18.33	18.17	18.27	18.27						
10	256QAM	25	0	18.17	18.18	18.19	18.25	18.28	18.28						
10	256QAM	25	12	18.34	18.31	18.40	18.35	18.21	18.21						
10	256QAM	25	25	18.32	18.15	18.35	18.20	18.24	18.24	19	2.3				
10	256QAM	25	25	18.33	18.16	18.36	18.21	18.24	18.24						
10	256QAM	50	0	18.27	18.31	18.33	18.27	18.29	18.29						
10	256QAM	50	12	18.34	18.31	18.40	18.35	18.21	18.21						
10	256QAM	50	25	18.32	18.15	18.35	18.20	18.24	18.24						
Channel				39675	40140	40500	40860	41260	41660	Time-up int (ms)	MPE (dB)				
Frequency (MHz)				2648.5	2698.5	2748.5	2798.5	2848.5	2898.5						
10	QPSK	1	0	20.26	20.16	20.35	20.36	20.30	20.30	21.3	0				
10	QPSK	1	12	20.26	20.07	20.34	20.15	20.10	20.10						
10	QPSK	1	24	20.21	20.11	20.14	20.25	20.24	20.24						
10	QPSK	12	0	20.26	20.16	20.35	20.36	20.30	20.30						
10	QPSK	12	12	20.26	20.16	20.34	20.15	20.10	20.10						
10	QPSK	12	18	20.19	20.14	20.21	20.15	20.15	20.14	21.3	0				
10	QPSK	12	24	20.19	20.15	20.23	20.15	20.15	20.15						
10	16QAM	1	0	20.23	20.21	20.32	20.13	20.18	20.18						
10	16QAM	1	12	20.27	20.10	20.32	20.30	20.26	20.26						
10	16QAM	1	24	20.27	20.16	20.27	20.16	20.16	20.16						
10	16QAM	12	0	20.16	20.07	20.19	20.18	20.20	20.20	21.3	0				
10	16QAM	12	7	20.20	20.20	20.13	20.14	20.29	20.29						
10	16QAM	12	12	20.20	20.17	20.17	20.17	20.20	20.20						
10	16QAM	12	18	20.15	20.13	20.24	20.21	20.14	20.14						
10	16QAM	25	0	20.11	20.11	20.24	20.20	20.10	20.10						
10	64QAM	1	0	20.15	20.12	20.27	20.22	20.12	20.12	21.3	0				
10	64QAM	1	12	20.17	20.16	20.27	20.20	20.18	20.18						
10	64QAM	12	0	20.17	20.26	20.29	20.23	20.25	20.25						
10	64QAM	12	7	20.17	20.19	20.19	20.19	20.27	20.27						
10	64QAM	12	12	20.23	20.13	20.16	20.13	20.27	20.27						
10	64QAM	12	18	20.20	20.21	20.26	20.20	20.21	20.21	21	0.3				
10	64QAM	25	0	20.17	20.17	20.21	20.19								

Band 42_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s)	MPE (dB)				
Channels												
Frequency (MHz)				42160	42165	42550						
20	QPSK	1	0	20.73	20.73	20.68						
20	QPSK	1	49	20.67	20.73	20.67	22	0				
20	QPSK	1	99	20.52	20.52	20.55						
20	QPSK	50	0	19.70	19.78	19.77						
20	QPSK	50	24	19.67	19.72	19.69	21	1				
20	QPSK	50	50	19.68	19.69	19.72						
20	QPSK	100	0	19.66	19.76	19.76						
20	16QAM	1	0	19.75	19.71	19.67	21	1				
20	16QAM	1	49	19.70	19.72	19.67						
20	16QAM	1	99	19.59	19.59	19.61						
20	16QAM	50	0	18.70	18.72	18.73						
20	16QAM	50	24	18.71	18.69	18.71	20	2				
20	16QAM	50	50	18.71	18.70	18.73						
20	16QAM	100	0	18.62	18.77	18.77						
20	64QAM	1	0	18.67	18.63	18.72						
20	64QAM	1	49	18.62	18.54	18.66	20	2				
20	64QAM	1	99	18.51	18.55	18.62						
20	64QAM	50	0	17.70	17.69	17.72						
20	64QAM	50	24	17.71	17.73	17.79	19	3				
20	64QAM	50	50	17.74	17.71	17.70						
20	256QAM	1	0	15.58	15.46	15.51						
20	256QAM	1	49	15.40	15.35	15.46	17	5				
20	256QAM	1	99	15.51	15.38	15.48						
20	256QAM	50	0	15.57	15.48	15.58						
20	256QAM	50	24	15.56	15.69	15.67	17	5				
20	256QAM	50	50	15.54	15.68	15.64						
20	256QAM	100	0	15.45	15.59	15.55						
Channels												
Frequency (MHz)				34215	34215	34215	Time-up Int. (s)	MPE (dB)				
15	QPSK	1	0	20.61	20.61	20.63						
15	QPSK	1	37	20.52	20.66	20.53	22	0				
15	QPSK	1	74	20.42	20.45	20.53						
15	QPSK	36	0	19.58	19.61	19.58						
15	QPSK	36	20	19.52	19.68	19.63	21	1				
15	QPSK	36	39	19.67	19.60	19.60						
15	QPSK	75	0	19.52	19.76	19.74						
15	16QAM	1	0	19.71	19.62	19.72	21	1				
15	16QAM	1	37	19.67	19.63	19.67						
15	16QAM	1	74	19.46	19.52	19.49						
15	16QAM	36	0	18.60	18.60	18.66	20	2				
15	16QAM	36	20	18.63	18.67	18.64						
15	16QAM	36	39	18.58	18.63	18.67						
15	16QAM	75	0	18.54	18.73	18.75						
15	64QAM	1	0	18.58	18.58	18.59						
15	64QAM	1	37	18.51	18.43	18.59	20	2				
15	64QAM	1	74	18.42	18.67	18.67						
15	64QAM	36	0	17.57	17.59	17.59						
15	64QAM	36	20	17.66	17.78	17.77	19	3				
15	64QAM	36	39	17.60	17.63	17.68						
15	64QAM	75	0	17.49	17.61	17.66						
15	256QAM	1	0	15.50	15.45	15.41						
15	256QAM	1	37	15.32	15.46	15.35	17	5				
15	256QAM	1	74	15.45	15.43	15.39						
15	256QAM	36	0	15.48	15.46	15.56						
15	256QAM	36	20	15.47	15.60	15.42	17	5				
15	256QAM	36	39	15.47	15.60	15.42						
15	256QAM	75	0	15.42	15.48	15.39						
Channels												
Frequency (MHz)				34215	34215	34215	Time-up Int. (s)	MPE (dB)				
10	QPSK	1	0	20.68	20.63	20.69						
10	QPSK	1	25	20.55	20.61	20.54	22	0				
10	QPSK	1	49	20.15	20.38	20.33						
10	QPSK	25	0	19.60	19.61	19.59						
10	QPSK	25	12	19.54	19.75	19.65	21	1				
10	QPSK	25	25	19.59	19.60	19.60						
10	QPSK	50	0	19.62	19.69	19.67						
10	16QAM	1	0	19.67	19.67	19.65	21	1				
10	16QAM	1	25	19.63	19.68	19.67						
10	16QAM	1	49	19.48	19.49	19.52						
10	16QAM	25	0	18.55	18.71	18.64						
10	16QAM	25	12	18.66	18.68	18.73	20	2				
10	16QAM	25	25	18.58	18.67	18.69						
10	16QAM	50	0	18.60	18.69	18.63						
10	64QAM	1	0	18.61	18.52	18.62						
10	64QAM	1	25	18.59	18.45	18.63	20	2				
10	64QAM	1	49	18.26	18.41	18.59						
10	64QAM	25	0	17.55	17.63	17.70						
10	64QAM	25	12	17.70	17.68	17.67	19	3				
10	64QAM	25	25	17.66	17.67	17.66						
10	64QAM	50	0	17.53	17.68	17.71						
10	256QAM	1	0	15.52	15.52	15.49						
10	256QAM	1	25	15.34	15.47	15.46	17	5				
10	256QAM	1	49	15.49	15.45	15.47						
10	256QAM	25	0	15.54	15.50	15.57						
10	256QAM	25	12	15.42	15.63	15.58	17	5				
10	256QAM	25	25	15.43	15.53	15.48						
10	256QAM	50	0	15.44	15.45	15.39						
Channels												
Frequency (MHz)				34215	34215	34215	Time-up Int. (s)	MPE (dB)				
5	QPSK	1	0	20.63	20.72	20.58						
5	QPSK	1	12	20.61	20.64	20.63	22	0				
5	QPSK	1	24	20.40	20.43	20.55						
5	QPSK	12	0	19.64	19.71	19.63						
5	QPSK	12	7	19.69	19.67	19.71	21	1				
5	QPSK	12	14	19.57	19.59	19.71						
5	QPSK	25	0	19.55	19.66	19.73						
5	16QAM	1	0	19.62	19.68	19.72	21	1				
5	16QAM	1	12	19.66	19.65	19.62						
5	16QAM	1	24	19.55	19.52	19.53						
5	16QAM	12	0	18.60	18.68	18.66						
5	16QAM	12	7	18.63	18.77	18.72	20	2				
5	16QAM	12	14	18.60	18.66	18.69						
5	16QAM	25	0	18.50	18.68	18.70						
5	64QAM	1	0	18.62	18.57	18.59						
5	64QAM	1	12	18.56	18.51	18.52	20	2				
5	64QAM	1	24	18.49	18.48	18.48						
5	64QAM	12	0	17.68	17.68	17.62	19	3				
5	64QAM	12	7	17.58	17.74	17.74						
5	64QAM	12	14	17.62	17.70	17.61						
5	256QAM	1	0	15.58	15.49	15.57						
5	256QAM	1	24	15.44	15.57	15.33	17	5				
5	256QAM	12	0	15.50	15.55	15.49						
5	256QAM	12	7	15.56	15.59	15.59						
5	256QAM	12	14	15.44	15.52	15.59	17	5				
5	256QAM	25	0	15.37	15.46	15.39						

Band 42_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dBm)	MPE (dB)				
Channel												
				42160	42550	42550						
Frequency (MHz)				3460	3600	3660						
20	QPSK	1	0	22.32	22.35	22.31						
20	QPSK	1	49	22.43	22.44	22.48	23.2	0				
20	QPSK	1	98	22.51	22.60	22.48						
20	QPSK	50	0	22.44	22.39	22.51						
20	QPSK	50	24	22.18	22.42	22.43	23.2	0				
20	QPSK	50	50	22.41	22.16	22.35						
20	QPSK	100	0	22.28	22.41	22.38						
20	16QAM	1	0	22.31	22.50	22.52						
20	16QAM	1	49	22.22	22.21	22.62	23.2	0				
20	16QAM	1	98	22.48	22.52	22.32						
20	16QAM	50	0	22.31	22.52	22.32						
20	16QAM	50	24	22.29	22.25	22.30	23.2	0				
20	16QAM	50	50	22.45	22.49	22.44						
20	16QAM	100	0	22.46	22.47	22.22						
20	16QAM	1	0	22.50	22.59	22.52						
20	16QAM	1	49	22.45	22.47	22.48	23.2	0				
20	16QAM	1	98	22.36	22.51	22.31						
20	16QAM	50	0	22.37	22.40	22.47						
20	16QAM	50	24	22.14	22.44	22.45	23.2	0.2				
20	16QAM	50	50	22.32	22.43	22.41						
20	16QAM	100	0	22.20	22.42	22.44						
20	16QAM	100	24	22.08	22.16	22.10	23.2	2.2				
20	16QAM	100	49	19.90	20.02	19.93						
20	16QAM	1	99	20.01	20.14	20.05						
20	16QAM	1	98	20.07	20.17	20.08						
20	16QAM	50	24	20.04	20.18	20.10	23.2	2.2				
20	16QAM	50	50	20.06	20.16	20.10						
20	16QAM	100	24	19.90	20.13	20.07						
Channel												
				42165	42550	42550						
Frequency (MHz)				3470	3610	3670						
15	QPSK	1	0	22.33	22.37	22.33						
15	QPSK	1	37	22.37	22.37	22.30	23.2	0				
15	QPSK	1	74	22.46	22.34	22.37						
15	QPSK	50	0	22.44	22.39	22.44						
15	QPSK	50	24	22.09	22.34	22.33	23.2	0				
15	QPSK	50	39	22.33	22.07	22.27						
15	QPSK	100	0	22.28	22.41	22.38						
15	16QAM	1	0	22.28	22.41	22.43						
15	16QAM	1	37	22.14	22.12	22.54	23.2	0				
15	16QAM	1	74	22.45	22.47	22.46						
15	16QAM	50	0	22.25	22.48	22.26						
15	16QAM	50	24	22.25	22.20	22.24	23.2	0				
15	16QAM	50	39	22.33	22.33	22.33						
15	16QAM	75	0	22.37	22.38	22.17						
15	16QAM	1	0	22.00	22.30	21.65						
15	16QAM	1	37	22.04	22.04	21.65	23.2	0				
15	16QAM	1	74	22.51	22.44	22.13						
15	16QAM	50	0	22.28	22.52	22.41						
15	16QAM	50	24	22.13	22.38	22.41	23.2	0.2				
15	16QAM	50	39	22.24	22.37	22.31						
15	16QAM	75	0	22.13	22.38	21.75						
15	16QAM	1	37	19.81	19.94	19.85						
15	16QAM	1	74	19.91	20.07	19.99	23.2	2.2				
15	16QAM	50	24	19.91	20.01	19.91						
15	16QAM	50	39	19.97	20.08	20.00						
15	16QAM	75	0	19.97	20.09	20.00	23.2	2.2				
15	16QAM	75	39	19.86	19.93	19.80						
Channel												
				42160	42550	42550						
Frequency (MHz)				3470	3610	3670						
10	QPSK	1	0	22.32	22.35	22.34						
10	QPSK	1	25	22.34	22.34	22.43	23.2	0				
10	QPSK	1	49	22.43	22.43	22.38						
10	QPSK	50	0	22.44	22.39	22.43						
10	QPSK	25	12	22.08	22.37	22.36	23.2	0				
10	QPSK	25	39	22.38	22.11	22.24						
10	QPSK	50	0	22.33	22.33	22.29						
10	16QAM	1	0	22.25	22.41	22.46						
10	16QAM	1	25	22.15	22.14	22.54	23.2	0				
10	16QAM	1	49	22.44	22.44	22.44						
10	16QAM	25	0	22.23	22.45	22.24						
10	16QAM	25	12	22.26	22.15	22.24	23.2	0				
10	16QAM	25	39	22.41	22.15	22.29						
10	16QAM	50	0	22.40	22.42	22.15						
10	16QAM	1	0	22.01	22.30	21.65						
10	16QAM	1	25	22.04	22.04	21.65	23.2	0				
10	16QAM	1	49	22.50	22.42	22.14						
10	16QAM	25	0	22.31	22.32	22.39						
10	16QAM	25	12	22.37	22.24	22.29	23.2	0.2				
10	16QAM	25	39	22.46	22.32	22.32						
10	16QAM	50	0	22.12	22.36	22.34						
10	16QAM	50	12	22.05	22.34	22.35	23.2	2.2				
10	16QAM	1	25	19.82	19.92	19.84						
10	16QAM	1	49	19.96	20.08	19.96	23.2	2.2				
10	16QAM	25	0	19.96	20.08	19.96						
10	16QAM	25	12	19.98	20.06	19.98	23.2	2.2				
10	16QAM	25	39	19.86	20.00	19.80						
10	16QAM	50	12	19.96	20.04	19.96						
Channel												
				42115	42550	42550						
Frequency (MHz)				3470	3610	3670						
5	QPSK	1	0	22.33	22.36	22.36						
5	QPSK	1	12	22.33	22.39	22.38	23.2	0				
5	QPSK	1	24	22.46	22.35	22.37						
5	QPSK	1	36	22.46	22.35	22.37						
5	QPSK	12	0	22.08	22.32	22.36	23.2	0				
5	QPSK	12	13	22.31	22.06	22.28						
5	QPSK	24	0	22.14	22.39	22.38						
5	16QAM	1	0	22.21	22.43	22.44						
5	16QAM	1	12	22.13	22.16	22.56	23.2	0				
5	16QAM	1	24	22.47	22.47	22.47						
5	16QAM	12	0	22.26	22.47	22.24						
5	16QAM	12	7	22.22	22.19	22.26	23.2	0				
5	16QAM	24	0	22.18	22.38	22.42						
5	16QAM	24	0	22.41	22.39	22.15						
5	16QAM	1	0	22.03	22.32	21.62						
5	16QAM	1	12	22.04	22.04	21.62	23.2	0				
5	16QAM	1	24	22.47	22.43	22.15						
5	16QAM	12	0	22.29	22.32	22.37						
5	16QAM	12	13	22.37	22.24	22.27	23.2	0.2				
5	16QAM	12	24	22.44	22.35	22.37						
5	16QAM	24	0	22.13	22.33	22.32						
5	16QAM	24	0	19.92	20.17	19.77	23.2	2.2				
5	16QAM	1	12	19.85	19.92	19.83						
5	16QAM	1	24	19.93	20.05	19.90	23.2	2.2				
5	16QAM	12	0	19.91	20.01	19.91						
5	16QAM	12	7	19.96	20.06	19.96	23.2	2.2				
5	16QAM	12	13	19.87	20.04	19.84						



n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	P12 BPSK	1	1	22.74	22.68	22.71			
20	P12 BPSK	1	53	22.67	22.60	22.65	24.0	0.0	
20	P12 BPSK	1	104	22.60	22.68	22.72			
20	P12 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	P12 BPSK	50	28	22.65	22.59	22.65	24.0	0.0	
20	P12 BPSK	50	56	22.66	22.60	22.61	24.0	0.0	
20	P12 BPSK	100	0	22.67	22.59	22.61			
20	QPSK	1	1	22.70	22.61	22.70			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.69	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.68	22.72	22.69	24.0	0.0	
20	QPSK	50	56	22.81	22.58	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.65			
20	8QAM	1	1	22.74	22.65	22.74	24.0	0.0	
20	8QAM	1	1	21.88	21.80	21.85	22.0	2.8	
20	25QAM	1	1	20.09	19.98	20.00	21.0	3.0	
Channel				381000	375000	379000			
Frequency (MHz)				1857.5	1895	1902.5			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				381000	375000	379000			
Frequency (MHz)				1855	1895	1905			
10	QPSK	1	1	22.69	22.58	22.67	24.0	0.0	
Channel				370000	376000	381000			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	P12 BPSK	1	1	15.48	15.48	15.47			
20	P12 BPSK	1	53	15.42	15.44	15.48	17.0	0.0	
20	P12 BPSK	1	104	15.41	15.56	15.35			
20	P12 BPSK	50	0	15.44	15.52	15.36	17.0	0.0	
20	P12 BPSK	50	28	15.48	15.46	15.42	17.0	0.0	
20	P12 BPSK	50	56	15.49	15.54	15.41	17.0	0.0	
20	P12 BPSK	100	0	15.41	15.48	15.48			
20	QPSK	1	1	15.52	15.59	15.50			
20	QPSK	1	53	15.50	15.54	15.47	17.0	0.0	
20	QPSK	1	104	15.51	15.55	15.38			
20	QPSK	50	0	15.49	15.55	15.45	17.0	0.0	
20	QPSK	50	28	15.52	15.57	15.45	17.0	0.0	
20	QPSK	50	56	15.38	15.46	15.39	17.0	0.0	
20	QPSK	100	0	15.43	15.46	15.43			
20	8QAM	1	1	15.45	15.59	15.35	17.0	0.0	
20	8QAM	1	1	15.38	15.47	15.45	17.0	0.0	
20	25QAM	1	1	15.30	15.40	15.45	17.0	0.0	
Channel				375000	379000	380000			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	15.40	15.51	15.46	17.0	0.0	
Channel				375000	379000	380000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	15.45	15.46	15.57	17.0	0.0	
Channel				370000	376000	381000			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	15.45	15.48	15.43	17.0	0.0	

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	P12 BPSK	1	1	20.22	20.17	20.18			
20	P12 BPSK	1	53	20.22	20.19	20.11	22.0	0.0	
20	P12 BPSK	1	104	20.09	20.15	20.17			
20	P12 BPSK	50	0	20.15	20.18	20.21	22.0	0.0	
20	P12 BPSK	50	28	20.21	20.18	20.14	22.0	0.0	
20	P12 BPSK	50	56	20.20	20.26	20.12	22.0	0.0	
20	P12 BPSK	100	0	20.10	20.26	20.12			
20	QPSK	1	1	20.24	20.28	20.25			
20	QPSK	1	53	20.19	20.26	20.09	22.0	0.0	
20	QPSK	1	104	20.23	20.25	20.07			
20	QPSK	50	0	20.20	20.21	20.09	22.0	0.0	
20	QPSK	50	28	20.21	20.25	20.20	22.0	0.0	
20	QPSK	50	56	20.09	20.21	20.14	22.0	0.0	
20	QPSK	100	0	20.18	20.21	20.11			
20	15QAM	1	1	20.17	20.27	20.11	22.0	0.0	
20	8QAM	1	1	20.11	20.27	20.11	21.5	0.5	
20	25QAM	1	1	18.58	18.53	18.40	19.5	2.5	
Channel				375000	379000	380000			
Frequency (MHz)				1857.5	1885	1902.5			
15	QPSK	1	1	20.21	20.24	20.18	22.0	0.0	
Channel				375000	379000	380000			
Frequency (MHz)				1855	1885	1905			
10	QPSK	1	1	20.22	20.17	20.20	22.0	0.0	
Channel				370000	376000	381000			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	20.18	20.16	20.15	22.0	0.0	



n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Middle Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				844	846.5	848			
20	PL2 BPSK	1	1	22.80	22.82	22.77			
20	PL2 BPSK	1	53	22.87	22.84	22.88	24.0	0.0	
20	PL2 BPSK	1	104	22.96	22.95	22.97			
20	PL2 BPSK	56	0	22.71	22.71	22.83	23.5	0.5	
20	PL2 BPSK	55	28	22.68	22.66	22.88	24.0	0.0	
20	PL2 BPSK	56	56	22.95	22.99	22.94	23.5	0.5	
20	PL2 BPSK	104	0	22.72	22.73	22.87			
20	QPSK	1	1	22.95	22.94	22.77			
20	QPSK	1	53	22.72	22.68	22.84	24.0	0.0	
20	QPSK	1	104	22.98	22.98	22.95			
20	QPSK	55	5	22.70	22.74	22.70	23.0	1.0	
20	QPSK	56	28	22.75	22.75	22.75	24.0	0.5	
20	QPSK	56	56	22.85	22.98	22.84	23.0	1.0	
20	QPSK	105	0	22.81	22.97	22.84			
20	16QAM	1	1	22.51	22.50	22.44	23.0	1.0	
20	16QAM	1	1	21.42	21.42	21.36	21.5	2.5	
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5	
Channel									
				831.5	836.5	841.5			
15	QPSK	1	1	22.70	22.71	22.83	24.0	0.0	
Channel									
				820	836.5	844			
10	QPSK	1	1	22.78	22.67	22.69	24.0	0.0	
Channel									
				826.5	836.5	846.5			
5	QPSK	1	1	22.72	22.73	22.87	24.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Middle Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				844	846.5	848			
20	PL2 BPSK	1	1	22.81	22.98	22.98			
20	PL2 BPSK	1	53	22.61	22.49	22.90	24.0	0.0	
20	PL2 BPSK	1	104	22.90	22.46	22.44			
20	PL2 BPSK	56	0	22.59	22.96	22.94	23.5	0.5	
20	PL2 BPSK	56	28	22.59	22.94	22.90	24.0	0.0	
20	PL2 BPSK	56	56	22.92	22.47	22.44	23.5	0.5	
20	PL2 BPSK	104	0	22.53	22.49	22.48			
20	QPSK	1	1	22.95	22.83	22.94			
20	QPSK	1	53	22.95	22.95	22.93	24.0	0.0	
20	QPSK	1	104	22.98	22.92	22.90			
20	QPSK	56	0	22.50	22.83	22.93	23.0	1.0	
20	QPSK	56	28	22.57	22.80	22.94	24.0	0.0	
20	QPSK	56	56	22.47	22.44	22.43	23.0	1.0	
20	QPSK	105	0	22.47	22.46	22.43			
20	16QAM	1	1	22.50	22.99	22.95	23.0	1.0	
20	16QAM	1	1	20.68	20.67	20.84	21.5	2.5	
20	256QAM	1	1	18.95	18.97	18.93	19.5	4.5	
Channel									
				831.5	836.5	841.5			
15	QPSK	1	1	22.65	22.47	22.46	24.0	0.0	
Channel									
				820	836.5	844			
10	QPSK	1	1	22.64	22.40	22.44	24.0	0.0	
Channel									
				826.5	836.5	846.5			
5	QPSK	1	1	22.61	22.43	22.49	24.0	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PL2 BPSK	1	1	22.16	22.20	22.23			
40	PL2 BPSK	1	108	22.11	22.26	22.24	23.0	0.0	
40	PL2 BPSK	1	214	22.11	22.24	22.25			
40	PL2 BPSK	108	0	22.17	22.25	22.23	23.0	0.0	
40	PL2 BPSK	108	54	22.10	22.20	22.27	23.0	0.0	
40	PL2 BPSK	108	108	22.10	22.30	22.26	23.0	0.0	
40	PL2 BPSK	216	0	22.12	22.28	22.25			
40	QPSK	1	1	22.22	22.35	22.35			
40	QPSK	1	108	22.21	22.31	22.17	23.0	0.0	
40	QPSK	1	214	22.12	22.33	22.27			
40	QPSK	108	0	22.13	22.30	22.21	23.0	0.0	
40	QPSK	108	54	22.17	22.32	22.25	23.0	0.0	
40	QPSK	108	108	22.15	22.21	22.18	23.0	0.0	
40	QPSK	216	0	22.14	22.29	22.25			
40	16QAM	1	1	22.10	22.31	22.27	23.0	0.0	
40	16QAM	1	1	21.88	21.74	21.81	22.0	1.0	
40	256QAM	1	1	19.84	19.93	20.00	21.0	2.0	
Channel				565000	567000	570000	Tune-up limit	MPR	
30	QPSK	1	1	22.15	22.35	22.25			
30	QPSK	1	1	22.08	22.34	22.16	23.0	0.0	
Channel				565500	567000	570000	Tune-up limit	MPR	
25	QPSK	1	1	22.21	22.26	22.29	23.0	0.0	
Channel				565100	567000	570000	Tune-up limit	MPR	
20	QPSK	1	1	22.10	22.35	22.20	23.0	0.0	
Channel				5651000	5670000	5700000	Tune-up limit	MPR	
15	QPSK	1	1	22.19	22.34	22.22	23.0	0.0	
Channel				5650500	5670000	5700000	Tune-up limit	MPR	
10	QPSK	1	1	22.19	22.21	22.23	23.0	0.0	
Channel				56505000	56700000	57000000	Tune-up limit	MPR	
5	QPSK	1	1	22.18	22.30	22.25	23.0	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low 500000	Power Middle 500000	Power High 500000	Power Channel Offset	Tune-up test (dBm)	MPR (dB)
Channel									
Frequency (MHz)				7600	7636	7660			
40	PL2 BPSK	1	1	17.73	17.71	17.62			
40	PL2 BPSK	1	108	17.64	17.72	17.67	18.5	0.0	
40	PL2 BPSK	1	214	17.60	17.68	17.62			
40	PL2 BPSK	108	0	17.64	17.78	17.64	18.5	0.0	
40	PL2 BPSK	108	54	17.64	17.71	17.65	18.5	0.0	
40	PL2 BPSK	108	108	17.73	17.78	17.59	18.5	0.0	
40	PL2 BPSK	216	0	17.74	17.68	17.68			
40	QPSK	1	1	17.75	17.60	17.72			
40	QPSK	1	108	17.66	17.71	17.61	18.5	0.0	
40	QPSK	1	214	17.71	17.68	17.61			
40	QPSK	108	0	17.65	17.71	17.57	18.5	0.0	
40	QPSK	108	54	17.65	17.75	17.55	18.5	0.0	
40	QPSK	108	108	17.84	17.72	17.58	18.5	0.0	
40	QPSK	216	0	17.62	17.65	17.57			
40	16QAM	1	1	17.73	17.65	17.68	18.5	0.0	
40	16QAM	1	1	17.80	17.68	17.58	18.5	0.0	
40	256QAM	1	1	17.74	17.78	17.60	18.5	0.0	
Channel				26100	26100	26100			
Frequency (MHz)				2615	2635	2655			
30	QPSK	1	1	17.65	17.72	17.69	18.5	0.0	
Channel				26200	26200	26200			
Frequency (MHz)				2612.5	2635	2657.5			
25	QPSK	1	1	17.72	17.71	17.60	18.5	0.0	
Channel				30000	307000	312000	Tune-up test (dBm)		MPR
Frequency (MHz)				2610	2635	2660			
20	QPSK	1	1	17.63	17.73	17.71	18.5	0.0	
Channel				361000	367000	362000	Tune-up test (dBm)		MPR
Frequency (MHz)				2607.5	2635	2662.5			
15	QPSK	1	1	17.66	17.67	17.65	18.5	0.0	
Channel				361000	367000	361000	Tune-up test (dBm)		MPR
Frequency (MHz)				2608	2635	2665			
10	QPSK	1	1	17.61	17.78	17.62	18.5	0.0	
Channel				360000	367000	361000	Tune-up test (dBm)		MPR
Frequency (MHz)				2602.5	2635	2667.5			
5	QPSK	1	1	17.61	17.69	17.60	18.5	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				7600	7636	7660			
40	PL2 BPSK	1	1	18.90	18.97	18.97			
40	PL2 BPSK	1	108	18.95	18.95	18.95	20.5	0.0	0.0
40	PL2 BPSK	1	214	18.93	18.95	18.97			
40	PL2 BPSK	108	0	18.91	18.96	18.99	20.5	0.0	0.0
40	PL2 BPSK	108	54	18.91	18.95	18.89	20.5	0.0	0.0
40	PL2 BPSK	108	108	18.90	18.94	18.85	20.5	0.0	0.0
40	PL2 BPSK	216	0	18.92	18.91	18.85			
40	QPSK	1	1	19.03	19.08	19.03			
40	QPSK	1	108	18.90	19.05	18.85	20.5	0.0	
40	QPSK	1	214	18.99	19.00	18.87			
40	QPSK	108	0	18.92	18.93	18.89	20.5	0.0	
40	QPSK	108	54	19.03	19.03	18.95	20.5	0.0	
40	QPSK	108	108	18.99	18.98	18.94	20.5	0.0	
40	QPSK	216	0	18.92	19.00	18.97			
40	16QAM	1	1	18.88	19.01	18.94	20.5	0.0	
40	16QAM	1	1	18.90	19.01	18.92	20.5	0.0	
40	256QAM	1	1	18.95	18.99	18.94	19.5	1.0	
Channel									
Frequency (MHz)				20000	207000	212000			
30	QPSK	1	1	18.89	19.01	18.90	20.5	0.0	0.0
Channel									
Frequency (MHz)				20000	207000	212000			
25	QPSK	1	1	18.93	19.01	18.91	20.5	0.0	0.0
Channel									
Frequency (MHz)				30000	307000	312000			
20	QPSK	1	1	18.95	19.04	18.97	20.5	0.0	0.0
Channel									
Frequency (MHz)				301000	307000	312000			
15	QPSK	1	1	18.89	18.98	18.92	20.5	0.0	0.0
Channel									
Frequency (MHz)				301000	307000	312000			
10	QPSK	1	1	18.88	19.04	18.94	20.5	0.0	0.0
Channel									
Frequency (MHz)				300000	307000	312000			
5	QPSK	1	1	18.96	18.97	18.92	20.5	0.0	0.0

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1900	1945	1960			
40	PL2 BPSK	1	1	22.81	22.73	22.57			
40	PL2 BPSK	1	108	22.75	22.68	22.61	24.0	0.0	
40	PL2 BPSK	1	214	22.78	22.72	22.58			
40	PL2 BPSK	108	0	22.68	22.64	22.49	23.5	0.5	
40	PL2 BPSK	108	54	22.65	22.58	22.43	24.0	0.0	
40	PL2 BPSK	108	108	22.71	22.61	22.43	23.5	0.5	
40	PL2 BPSK	216	0	22.73	22.66	22.47			
40	QPSK	1	1	22.77	22.65	22.57			
40	QPSK	1	108	22.76	22.71	22.58	24.0		
40	QPSK	1	214	22.76	22.68	22.53			
40	QPSK	108	0	22.70	22.70	22.55	23.0		
40	QPSK	108	54	22.75	22.62	22.51	24.0		
40	QPSK	108	108	22.73	22.64	22.44	23.0		
40	QPSK	216	0	22.64	22.70	22.58			
40	16QAM	1	1	22.78	22.68	22.48	23.0		
40	16QAM	1	1	21.75	21.66	21.50	22.0		
40	256QAM	1	1	20.34	20.28	20.08	21.0		
Channel				34000	34000	34000	Tune-up test (dBm)	MPR	
Frequency (MHz)				1715	1745	1765			
30	QPSK	1	1	22.71	22.67	22.48	24.0		
Channel				34000	34000	34000	Tune-up test (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
20	QPSK	1	1	22.79	22.71	22.43	24.0		
Channel				34000	34000	34000	Tune-up test (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.80	22.63	22.45	24.0		
Channel				34000	34000	34000	Tune-up test (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.79	22.72	22.44	24.0		
Channel				34000	34000	34000	Tune-up test (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	23.75	22.68	22.42	24.0		



n66_Ant 1											
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				344000	349000	352000					
Frequency [MHz]				1745	1745	1745					
40	RU-BPSK	1	1	15.73	15.84	15.73	17.0	0.0			
40	RU-BPSK	1	108	15.75	15.80	15.72					
40	RU-BPSK	1	214	15.70	15.79	15.64	17.0	0.0			
40	RU-BPSK	108	0	15.73	15.76	15.71					
40	RU-BPSK	108	54	15.65	15.83	15.70	17.0	0.0			
40	RU-BPSK	108	108	15.75	15.81	15.68					
40	RU-BPSK	216	0	15.71	15.84	15.64	17.0	0.0			
40	QPSK	1	1	15.65	15.85	15.75					
40	QPSK	1	108	15.69	15.82	15.76	17.0	0.0			
40	QPSK	1	214	15.76	15.81	15.63					
40	QPSK	108	0	15.73	15.80	15.70	17.0	0.0			
40	QPSK	108	54	15.77	15.83	15.71					
40	QPSK	108	108	15.87	15.79	15.64	17.0	0.0			
40	QPSK	216	0	15.72	15.73	15.71					
40	HQAM	1	1	15.71	15.74	15.77	17.0	0.0			
40	HQAM	1	1	15.76	15.71	15.65					
40	256QAM	1	1	15.66	15.78	15.67	17.0	0.0			
Channel				345000	349000	352000					
Frequency [MHz]				1725	1745	1765					
30	QPSK	1	1	15.68	15.74	15.70	17.0	0.0			
Channel				344000	349000	354000					
Frequency [MHz]				1720	1745	1770					
20	QPSK	1	1	15.71	15.84	15.76	17.0	0.0			
Channel				343000	349000	355000					
Frequency [MHz]				1717.5	1745	1772.5					
15	QPSK	1	1	15.67	15.79	15.72	17.0	MPR			
Channel				343000	349000	350000					
Frequency [MHz]				1715	1745	1775					
10	QPSK	1	1	15.68	15.84	15.67	17.0	MPR			
Channel				342000	349000	350000					
Frequency [MHz]				1712.5	1745	1777.5					
5	QPSK	1	1	15.66	15.82	15.75	17.0	0.0			

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit	MPR (dB)	
Channel				344000	349000	352000			
Frequency [MHz]				1745	1745	1745			
40	RU-BPSK	1	1	15.35	15.51	15.35	21.0	0.0	
40	RU-BPSK	1	108	15.40	15.43	15.46			
40	RU-BPSK	1	214	15.41	15.52	15.40	21.0	0.0	
40	RU-BPSK	108	0	15.41	15.53	15.48			
40	RU-BPSK	108	54	15.34	15.45	15.37	21.0	0.0	
40	RU-BPSK	108	108	15.42	15.47	15.30			
40	RU-BPSK	216	0	15.33	15.49	15.43	21.0	0.0	
40	QPSK	1	1	15.40	15.55	15.50			
40	QPSK	1	108	15.37	15.50	15.40	21.0	0.0	
40	QPSK	1	214	15.47	15.54	15.46			
40	QPSK	108	0	15.35	15.43	15.35	21.0	0.0	
40	QPSK	108	54	15.45	15.52	15.40			
40	QPSK	108	108	15.39	15.50	15.41	21.0	0.0	
40	QPSK	216	0	15.36	15.41	15.37			
40	64QAM	1	1	15.47	15.51	15.46	21.0	0.0	
40	64QAM	1	1	15.40	15.44	15.45			
40	256QAM	1	1	15.34	15.35	15.38	19.5	1.5	
Channel				345000	349000	353000			
Frequency [MHz]				1725	1745	1765			
30	QPSK	1	1	15.34	15.40	15.35	21.0	0.0	
Channel				344000	349000	354000			
Frequency [MHz]				1720	1745	1770			
20	QPSK	1	1	15.37	15.51	15.36	21.0	0.0	
Channel				343000	349000	354000			
Frequency [MHz]				1717.5	1745	1772.5			
15	QPSK	1	1	15.43	15.42	15.43	21.0	0.0	
Channel				343000	349000	355000			
Frequency [MHz]				1715	1745	1775			
10	QPSK	1	1	15.39	15.51	15.49	21.0	0.0	
Channel				342000	349000	355000			
Frequency [MHz]				1712.5	1745	1777.5			
5	QPSK	1	1	15.40	15.52	15.40	21.0	0.0	



n38_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)	MPR (dB)
Channel				518000	519000	520000		
Frequency (MHz)				21.50	21.50	21.50		
40	PI2 BPSK	1	1	21.52	21.56	21.50		
40	PI2 BPSK	1	63	21.45	21.48	21.42	22.5	0.0
40	PI2 BPSK	1	104	21.43	21.58	21.48		
40	PI2 BPSK	50	5	21.49	21.58	21.45	22.5	0.0
40	PI2 BPSK	50	26	21.55	21.58	21.43	22.5	0.0
40	PI2 BPSK	50	56	21.43	21.54	21.54	22.5	0.0
40	PI2 BPSK	100	5	21.54	21.59	21.46		
40	QPSK	1	1	21.52	21.62	21.50		
40	QPSK	1	63	21.44	21.52	21.52	22.5	0.0
40	QPSK	1	104	21.43	21.48	21.49		
40	QPSK	50	5	21.50	21.57	21.48		
40	QPSK	50	26	21.52	21.59	21.51	22.5	0.0
40	QPSK	50	56	21.49	21.52	21.51		
40	QPSK	100	5	21.48	21.55	21.49	22.5	0.0
40	16QAM	1	1	21.52	21.55	21.44	22.5	0.0
40	16QAM	1	1	21.52	21.51	21.47	22.5	0.0
40	256QAM	1	1	20.12	20.38	20.18	21.0	1.5
Channel				519000	519000	520000		
Frequency (kHz)				2585	2595	2605		
30	QPSK	1	1	21.48	21.54	21.53	22.5	0.0
Channel				519000	519000	520000		
Frequency (kHz)				2580	2595	2610		
20	QPSK	1	1	21.51	21.54	21.45	22.5	0.0
Channel				519000	519000	520000		
Frequency (kHz)				2577.5	2595	2612.5		
15	QPSK	1	1	21.54	21.50	21.40	22.5	0.0
Channel				519000	519000	520000		
Frequency (kHz)				2575	2595	2615		
10	QPSK	1	1	21.52	21.59	21.54	22.5	0.0

n38_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)	MPR (dB)
Channel				518000	519000	520000		
Frequency (MHz)				21.50	21.50	21.50		
40	PI2 BPSK	1	1	18.56	18.63	18.57		
40	PI2 BPSK	1	63	18.59	18.66	18.51	19.5	0.0
40	PI2 BPSK	1	104	18.53	18.65	18.58		
40	PI2 BPSK	50	5	18.60	18.69	18.63	19.5	0.0
40	PI2 BPSK	50	26	18.48	18.66	18.59	19.5	0.0
40	PI2 BPSK	50	56	18.48	18.64	18.54	19.5	0.0
40	PI2 BPSK	100	5	18.51	18.65	18.62		
40	QPSK	1	1	18.63	18.71	18.66		
40	QPSK	1	63	18.53	18.64	18.57	19.5	0.0
40	QPSK	1	104	18.51	18.67	18.58		
40	QPSK	50	5	18.54	18.62	18.64		
40	QPSK	50	26	18.55	18.67	18.66	19.5	0.0
40	QPSK	50	56	18.54	18.58	18.62		
40	QPSK	100	5	18.60	18.63	18.65	19.5	0.0
40	16QAM	1	1	18.51	18.55	18.52	19.5	0.0
40	16QAM	1	1	18.57	18.63	18.63	19.5	0.0
40	256QAM	1	1	18.56	18.58	18.63	19.5	0.0
Channel				519000	519000	520000		
Frequency (MHz)				2585	2595	2605		
30	QPSK	1	1	18.56	18.65	18.58	19.5	0.0
Channel				519000	519000	520000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.51	18.66	18.64	19.5	0.0
Channel				519000	519000	520000		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	1	18.59	18.65	18.60	19.5	0.0
Channel				519000	519000	520000		
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	1	18.49	18.59	18.65	19.5	0.0



n38_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	MPE (dB)
Frequency (MHz)				2500	2500	2500	
40	P12 BPSK	1	1	18.81	18.82	18.79	
40	P12 BPSK	1	53	18.70	18.76	18.73	20.5
40	P12 BPSK	1	104	18.73	18.77	18.68	
40	P12 BPSK	80	0	18.75	18.74	18.77	20.5
40	P12 BPSK	80	28	18.72	18.83	18.79	20.5
40	P12 BPSK	80	56	18.68	18.77	18.77	20.5
40	P12 BPSK	160	0	18.81	18.80	18.74	
40	QPSK	1	1	18.82	18.85	18.81	20.5
40	QPSK	1	53	18.70	18.76	18.76	
40	QPSK	1	104	18.71	18.84	18.68	
40	QPSK	80	0	18.72	18.71	18.70	
40	QPSK	80	28	18.75	18.84	18.75	20.5
40	QPSK	80	56	18.75	18.72	18.70	
40	QPSK	160	0	18.72	18.81	18.72	20.5
40	16QAM	1	1	18.80	18.70	18.77	20.5
40	16QAM	1	1	18.78	18.76	18.73	20.5
40	256QAM	1	1	18.82	18.28	18.28	19.5
Channel				517000	518000	519000	Tune-up limit (dB)
Frequency (MHz)				2588	2595	2595	MPE (dB)
30	QPSK	1	1	18.80	18.75	18.71	20.5
Channel				515000	516000	517000	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	MPE (dB)
20	QPSK	1	1	18.68	18.74	18.68	20.5
Channel				515500	516000	516500	Tune-up limit (dB)
Frequency (MHz)				2577.5	2595	2612.5	MPE (dB)
15	QPSK	1	1	18.68	18.73	18.70	20.5
Channel				515000	516000	517000	Tune-up limit (dB)
Frequency (MHz)				2578	2595	2615	MPE (dB)
10	QPSK	1	1	18.73	18.80	18.74	20.5

FCC_n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)
Channel				509000	518000	528000	MPE (dB)
Frequency (MHz)				2041.01	2058.99	2040	
100	P12 BPSK	1	1	21.63	21.66	21.64	
100	P12 BPSK	1	137	21.56	21.73	21.59	22.5
100	P12 BPSK	1	271	21.69	21.66	21.65	
100	P12 BPSK	135	0	21.65	21.71	21.60	22.5
100	P12 BPSK	135	69	21.56	21.75	21.64	22.5
100	P12 BPSK	135	138	21.63	21.74	21.61	
100	P12 BPSK	270	0	21.62	21.65	21.68	22.5
100	QPSK	1	1	21.70	21.76	21.72	
100	QPSK	1	137	21.56	21.63	21.64	22.5
100	QPSK	1	271	21.59	21.82	21.64	
100	QPSK	135	0	21.66	21.81	21.67	
100	QPSK	135	69	21.56	21.74	21.65	22.5
100	QPSK	135	138	21.64	21.72	21.65	
100	QPSK	270	0	21.65	21.73	21.60	22.5
100	16QAM	1	1	21.59	21.72	21.63	22.5
100	64QAM	1	1	21.67	21.74	21.70	22.5
100	256QAM	1	1	20.31	20.25	20.25	21.0
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2041	2058.99	2044.98	MPE (dB)
80	QPSK	1	1	21.55	21.83	21.52	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2036.02	2058.99	2048.99	MPE (dB)
60	QPSK	1	1	21.66	21.51	21.53	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2031.01	2058.99	2035	MPE (dB)
70	QPSK	1	1	21.50	21.52	21.49	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2026	2058.99	2038.98	MPE (dB)
60	QPSK	1	1	21.51	21.80	21.47	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2021.02	2058.99	2014.99	MPE (dB)
80	QPSK	1	1	21.51	21.51	21.81	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2016.01	2058.99	2010	MPE (dB)
40	QPSK	1	1	21.49	21.59	21.65	22.5
Channel				509000	510000	510000	Tune-up limit (dB)
Frequency (MHz)				2011	2058.98	2014.98	MPE (dB)
30	QPSK	1	1	21.58	21.53	21.51	22.5
Channel				510000	510000	509000	Tune-up limit (dB)
Frequency (MHz)				2006.02	2058.98	2010.98	MPE (dB)
20	QPSK	1	1	21.48	21.81	21.80	22.5

0.1

FCC_n41_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
100	PL2 BPSK	1	1	18.70	18.74	18.71	
100	PL2 BPSK	1	137	18.69	18.73	18.68	19.5
100	PL2 BPSK	1	271	18.66	18.78	18.68	
100	PL2 BPSK	135	0	18.69	18.68	18.62	19.5
100	PL2 BPSK	135	69	18.58	18.81	18.73	19.5
100	PL2 BPSK	135	138	18.61	18.78	18.69	
100	PL2 BPSK	270	0	18.58	18.72	18.72	19.5
100	QPSK	1	1	18.72	18.62	18.72	
100	QPSK	1	137	18.78	18.64	18.72	19.5
100	QPSK	1	271	18.58	18.74	18.72	
100	QPSK	135	0	18.66	18.67	18.62	19.5
100	QPSK	135	69	18.58	18.74	18.67	
100	QPSK	135	138	18.62	18.74	18.66	19.5
100	QPSK	270	0	18.60	18.63	18.62	19.5
100	8QAM	1	1	18.71	18.61	18.73	19.5
100	8QAM	1	1	18.63	18.72	18.64	19.5
100	256QAM	1	1	18.65	18.79	18.67	19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.70	18.77	18.64	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.66	18.70	18.74	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.58	18.73	18.70	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.67	18.67	18.70	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.68	18.70	18.61	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.65	18.79	18.65	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.66	18.67	18.72	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.58	18.72	18.62	19.5

Par27Q n78_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
100	PL2 BPSK	1	1	18.67			
100	PL2 BPSK	1	137	18.63			19.5
100	PL2 BPSK	1	271	18.65			
100	PL2 BPSK	135	0	18.70			19.5
100	PL2 BPSK	135	69	18.64			19.5
100	PL2 BPSK	135	138	18.63			19.5
100	PL2 BPSK	270	0	18.66			19.5
100	QPSK	1	1	18.72			
100	QPSK	1	137	18.63			19.5
100	QPSK	1	271	18.71			
100	QPSK	135	0	18.65			19.5
100	QPSK	135	69	18.58			
100	QPSK	135	138	18.67			19.5
100	QPSK	270	0	18.58			19.5
100	16QAM	1	1	18.56			19.5
100	64QAM	1	1	18.58			19.5
100	256QAM	1	1	18.65			19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.69	18.62	18.66	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.62	18.64	18.62	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.68	18.67	18.61	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.71	18.68	18.65	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.61	18.68	18.67	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.70	18.68	18.68	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.57	18.68	18.68	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.61	18.57	18.59	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.48	18.71	18.43	19.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.53	18.69	18.57	19.5

Par27Q n78_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)
Channel							
Frequency (MHz)							
100	PL2 BPSK	1	1	17.87			
100	PL2 BPSK	1	137	17.89			19.0
100	PL2 BPSK	1	271	17.86			
100	PL2 BPSK	135	0	17.82			19.0
100	PL2 BPSK	135	69	17.85			19.0
100	PL2 BPSK	135	138	17.82			19.0
100	PL2 BPSK	270	0	17.81			19.0
100	QPSK	1	1	17.89			
100	QPSK	1	137	17.84			19.0
100	QPSK	1	271	17.88			
100	QPSK	135	0	17.88			19.0
100	QPSK	135	69	17.88			
100	QPSK	135	138	17.84			19.0
100	QPSK	270	0	17.85			19.0
100	16QAM	1	1	17.81			19.0
100	64QAM	1	1	17.85			19.0
100	256QAM	1	1	17.81			17.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	17.88	17.81	17.85	19.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.86	17.88	17.87	19.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	17.84	17.85	17.88	19.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	17.87	17.81	17.89	19.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	17.85	17.84	17.81	19.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	17.90	17.80	17.88	19.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.88	17.83	17.85	19.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.96	17.78	17.81	19.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.59	17.82	17.61	19.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.91	17.85	17.83	19.0



Par27Q n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1499.98					
100	PI2 BPSK	1	1	20.19	3499.98				
100	PI2 BPSK	1	137	20.20			21.0	0.0	
100	PI2 BPSK	1	271	20.18					
100	PI2 BPSK	135	0	20.15			21.0	0.0	
100	PI2 BPSK	135	69	20.20			21.0	0.0	
100	PI2 BPSK	135	135	20.19			21.0	0.0	
100	PI2 BPSK	270	0	20.18					
100	QPSK	1	1	20.25					
100	QPSK	1	137	20.19			21.0	0.0	
100	QPSK	1	271	20.13					
100	QPSK	135	0	20.13					
100	QPSK	135	69	20.22			21.0	0.0	
100	QPSK	135	135	20.13					
100	QPSK	270	0	20.19			21.0	0.0	
100	16QAM	1	1	20.16			21.0	0.0	
100	64QAM	1	1	20.22			21.0	0.0	
100	256QAM	1	1	20.15			21.0	0.0	
Channel				633000	633332	633666	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
90	QPSK	1	1	20.11	20.23	20.16	21.0	0.0	
Channel				633668	633332	633000	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
80	QPSK	1	1	20.17	20.21	20.19	21.0	0.0	
Channel				634134	633332	633430	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
70	QPSK	1	1	20.19	20.17	20.17	21.0	0.0	
Channel				634200	633332	633486	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
60	QPSK	1	1	20.20	20.17	20.15	21.0	0.0	
Channel				633668	633332	633000	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
50	QPSK	1	1	20.11	20.21	20.19	21.0	0.0	
Channel				633134	633332	633532	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
40	QPSK	1	1	20.23	20.18	20.16	21.0	0.0	
Channel				631000	633332	633666	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
30	QPSK	1	1	20.23	20.20	20.18	21.0	0.0	
Channel				630668	633332	633000	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
20	QPSK	1	1	20.21	20.12	20.19	21.0	0.0	
Channel				630500	633332	633166	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
15	QPSK	1	1	20.15	20.23	20.23	21.0	0.0	
Channel				630334	633332	633632	Tune-up Int.	MPR	
Frequency (MHz)				1499.98					
10	QPSK	1	1	20.16	20.18	20.11	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.37	3498.98				
100	PI2 BPSK	1	137	17.43			18.5	0.0	
100	PI2 BPSK	1	271	17.38					
100	PI2 BPSK	135	0	17.46			18.5	0.0	
100	PI2 BPSK	135	69	17.36			18.5	0.0	
100	PI2 BPSK	135	135	17.46			18.5	0.0	
100	PI2 BPSK	270	0	17.41					
100	QPSK	1	1	17.50					
100	QPSK	1	137	17.46			18.5	0.0	
100	QPSK	1	271	17.38					
100	QPSK	135	0	17.44					
100	QPSK	135	69	17.45			18.5	0.0	
100	QPSK	135	135	17.39					
100	QPSK	270	0	17.47			18.5	0.0	
100	16QAM	1	1	17.36			18.5	0.0	
100	64QAM	1	1	17.45			18.5	0.0	
100	256QAM	1	1	17.40			18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.48	21.53	21.49	18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.58	21.72	21.55	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63.234	63.332	63.430	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63.281	63.289	63.283	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63.000	63.332	63.666	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63.168	63.332	63.500	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.70	21.78	21.83	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63.134	63.332	63.530	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63.181	63.332	63.588	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63.000	63.332	63.666	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63.068	63.332	63.600	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.52	21.73	21.47	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63.050	63.332	63.616	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63.075	63.332	63.640	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63.034	63.332	63.632	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63.051	63.332	63.649	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.47	21.64	21.42	18.5	0.0	



Reduced Power Mode for DSI 4

Band		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	Rx Channel	158	160	161	158	160	161
Frequency (MHz)							
QSM 1 Tx slot		32.92	32.49	32.63	33.69	33.32	33.49
QPRS 1 Tx slot		32.91	32.43	32.61	33.69	33.31	33.43
QPRS 3 Tx slots		33.23	32.52	33.98	34.40	34.23	34.02
QPRS 3 Tx slots		38.88	38.76	38.53	39.59	39.42	39.44
QPRS 4 Tx slots		38.89	37.61	38.65	39.60	37.89	38.51
EDGE 1 Tx slot		25.83	25.43	25.60	26.69	26.43	26.60
EDGE 2 Tx slots		25.04	24.58	24.82	25.59	25.04	25.29
EDGE 3 Tx slots		23.26	23.22	23.04	23.96	23.90	23.78
EDGE 4 Tx slots		21.26	21.15	21.10	21.69	21.36	21.10

Band		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	Rx Channel	152	161	161	152	161	161
Frequency (MHz)							
QSM 1 Tx slot		29.76	29.04	29.62	30.76	29.81	29.82
QPRS 1 Tx slot		29.73	29.61	29.78	30.69	29.73	29.78
QPRS 2 Tx slots		27.40	27.05	27.47	27.99	27.40	27.55
QPRS 3 Tx slots		25.00	25.78	25.71	25.69	25.43	25.20
QPRS 4 Tx slots		24.13	24.22	24.27	24.59	24.13	24.27
EDGE 1 Tx slot		23.92	23.04	23.98	24.96	24.92	24.88
EDGE 2 Tx slots		24.20	24.27	24.33	24.69	24.20	24.33
EDGE 3 Tx slots		22.68	22.65	22.77	23.69	23.42	23.51
EDGE 4 Tx slots		20.30	20.20	20.34	21.69	21.35	21.34

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1		
TX Channel	Rx Channel	1662	1662	1668	1662	1662	1668
Frequency (MHz)							
SCPP Rel 99	AMR 12.2kbps	22.94	23.09	22.99	24.00	24.13	22.75
SCPP Rel 99	RMC 12.2kbps	22.94	23.12	22.99	24.00	24.14	22.38
SCPP Rel 6	HSDPA Subnet-1	21.90	22.00	22.11	23.00	21.09	21.47
SCPP Rel 6	HSDPA Subnet-2	21.90	22.00	22.11	23.00	21.07	21.30
SCPP Rel 6	HSDPA Subnet-3	21.44	21.53	21.59	22.50	20.54	20.50
SCPP Rel 6	HSDPA Subnet-4	21.43	21.53	21.64	22.50	20.57	20.57
SCPP Rel 6	DC-HSDPA Subnet-1	21.86	21.98	21.99	23.00	21.09	21.42
SCPP Rel 6	DC-HSDPA Subnet-2	21.83	22.04	22.09	23.00	21.07	21.30
SCPP Rel 6	DC-HSDPA Subnet-3	21.43	21.51	21.57	22.50	20.54	20.50
SCPP Rel 6	DC-HSDPA Subnet-4	21.41	21.51	21.62	22.50	20.57	20.57
SCPP Rel 6	HSPA Subnet-1	21.54	22.01	22.17	23.00	21.08	21.48
SCPP Rel 6	HSPA Subnet-2	20.00	19.59	20.16	21.00	19.16	19.47
SCPP Rel 6	HSPA Subnet-3	21.02	21.03	21.16	22.00	20.11	20.48
SCPP Rel 6	HSPA Subnet-4	19.99	20.04	20.09	21.00	19.13	19.50
SCPP Rel 6	HSPA Subnet-5	22.00	22.00	22.00	23.00	21.18	21.07

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1		
TX Channel	Rx Channel	4152	4162	4233	4152	4162	4233
Frequency (MHz)							
SCPP Rel 99	AMR 12.2kbps	22.93	22.94	22.86	24.00	22.88	22.97
SCPP Rel 99	RMC 12.2kbps	22.96	22.97	22.89	24.00	22.88	23.05
SCPP Rel 6	HSDPA Subnet-1	21.02	21.04	21.00	23.00	21.07	21.30
SCPP Rel 6	HSDPA Subnet-2	21.92	21.91	21.88	23.00	21.02	21.98
SCPP Rel 6	HSDPA Subnet-3	21.45	21.59	21.58	22.50	21.44	21.49
SCPP Rel 6	HSDPA Subnet-4	21.46	21.59	21.56	22.50	21.38	21.47
SCPP Rel 6	DC-HSDPA Subnet-1	21.92	21.95	21.86	23.00	21.04	21.92
SCPP Rel 6	DC-HSDPA Subnet-2	21.92	21.88	21.85	23.00	21.09	21.96
SCPP Rel 6	DC-HSDPA Subnet-3	21.42	21.58	21.55	22.50	21.41	21.46
SCPP Rel 6	DC-HSDPA Subnet-4	21.45	21.56	21.33	22.50	21.35	21.44
SCPP Rel 6	HSPA Subnet-1	21.56	21.62	21.62	22.50	21.67	21.62
SCPP Rel 6	HSPA Subnet-2	19.82	19.87	19.86	21.00	19.81	19.54
SCPP Rel 6	HSPA Subnet-3	20.75	20.90	20.84	22.00	20.80	20.91
SCPP Rel 6	HSPA Subnet-4	19.96	19.93	19.85	21.00	19.87	19.80
SCPP Rel 6	HSPA Subnet-5	21.99	21.90	21.80	23.00	21.86	21.90

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1		
TX Channel	Rx Channel	1612	1612	1613	1612	1612	1613
Frequency (MHz)							
SCPP Rel 99	AMR 12.2kbps	22.95	22.98	22.73	24.00	22.12	22.37
SCPP Rel 99	RMC 12.2kbps	22.97	22.99	22.78	24.00	22.14	22.38
SCPP Rel 6	HSDPA Subnet-1	21.96	21.72	21.98	23.00	21.33	21.11
SCPP Rel 6	HSDPA Subnet-2	22.00	21.79	21.84	23.00	21.37	21.11
SCPP Rel 6	HSDPA Subnet-3	21.53	21.20	21.47	22.50	20.55	20.60
SCPP Rel 6	HSDPA Subnet-4	21.48	21.25	21.45	22.50	20.64	20.61
SCPP Rel 6	DC-HSDPA Subnet-1	21.94	21.79	21.84	23.00	21.33	21.11
SCPP Rel 6	DC-HSDPA Subnet-2	21.98	21.74	21.92	23.00	21.37	21.11
SCPP Rel 6	DC-HSDPA Subnet-3	21.81	21.21	21.42	22.50	20.66	20.60
SCPP Rel 6	DC-HSDPA Subnet-4	21.46	21.21	21.43	22.50	20.64	20.61
SCPP Rel 6	HSPA Subnet-1	21.97	21.69	21.99	23.00	21.33	21.11
SCPP Rel 6	HSPA Subnet-2	20.00	19.73	19.81	21.00	19.22	19.30
SCPP Rel 6	HSPA Subnet-3	20.99	20.60	21.00	22.00	20.36	20.11
SCPP Rel 6	HSPA Subnet-4	19.95	19.25	19.63	21.00	19.30	19.38
SCPP Rel 6	HSPA Subnet-5	22.00	21.80	22.00	23.00	21.40	21.10



Band 2_Ant 2										
BW (MHz)	Modulation	RS SS	RS CQI	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)		
Channel										
18700 18900 19150										
20	QPSK	1	0	22.87	22.88	22.88	24	0		
20	QPSK	1	49	22.88	22.88	22.88				
20	QPSK	1	99	22.73	22.74	22.68				
20	QPSK	50	24	22.38	22.45	22.50				
20	QPSK	50	24	22.32	22.40	22.28	23	1		
20	QPSK	100	0	22.23	22.31	22.37				
20	QPSK	1	0	22.21	22.12	22.18				
20	QPSK	50	0	22.21	22.07	22.15				
20	QPSK	1	99	22.15	22.08	22.16	23	1		
20	QPSK	50	0	22.04	21.93	22.07				
20	QPSK	50	50	22.07	22.05	22.17				
20	QPSK	100	0	22.03	21.99	22.08				
20	QPSK	100	0	22.04	22.05	22.10	23	1		
20	QPSK	1	0	22.02	22.07	22.15				
20	QPSK	1	49	22.22	22.29	22.31				
20	QPSK	1	99	21.86	21.98	22.07				
20	QPSK	50	0	21.94	21.93	21.97	22	2		
20	QPSK	50	24	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.97	21.17				
20	QPSK	100	0	21.03	21.00	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03	21.17	21	3		
20	QPSK	1	0	21.09	20.98	21.10				
20	QPSK	50	50	21.00	20.98	21.17				
20	QPSK	50	24	21.00	20.98	21.17				
20	QPSK	100	0	21.04	21.03					



Band 4_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Turn-on time (ms)	MPE (dB)			
Channel											
Frequency (MHz)				1720	1725.5	1745					
30	QPSK	1	0	22.31	22.38	22.35					
30	QPSK	1	48	22.26	22.14	22.13	24	0			
30	QPSK	1	96	22.18	22.03	22.28					
30	QPSK	50	0	21.65	21.65	21.65					
30	QPSK	50	24	21.62	21.65	21.58	23	1			
30	QPSK	50	48	21.49	21.44	21.54					
30	QPSK	100	0	21.48	21.54	21.37					
30	QPSK	100	0	22.14	21.50	21.57	23	1			
30	QPSK	100	24	21.50	22.17	21.68					
30	QPSK	100	48	21.86	21.59	21.83					
30	QPSK	50	0	20.75	20.75	20.75					
30	QPSK	50	24	20.81	20.68	20.68	22	2			
30	QPSK	50	48	20.78	20.60	20.71					
30	QPSK	100	0	20.81	20.65	20.65					
30	QPSK	100	0	20.97	20.97	20.75					
30	QPSK	100	48	20.78	21.14	20.94	22	2			
30	QPSK	100	96	20.74	20.94	20.92					
30	QPSK	50	0	19.73	19.73	19.67					
30	QPSK	50	24	19.59	19.75	19.83	21	3			
30	QPSK	50	48	19.46	19.70	19.94					
30	QPSK	50	96	19.73	19.82	19.86					
30	QPSK	100	0	18.16	18.20	18.15					
30	QPSK	100	48	18.11	18.21	18.15	19	5			
30	QPSK	100	96	18.02	18.15	18.11					
30	QPSK	50	0	18.09	18.16	18.15					
30	QPSK	50	24	18.10	18.22	18.22	19	5			
30	QPSK	50	48	18.10	18.14	18.05					
30	QPSK	100	0	18.08	18.12	18.05					
Channel											
Frequency (MHz)				1717.5	1725.5	1747.5	Turn-on time (ms)	MPE (dB)			
15	QPSK	1	0	22.24	22.24	22.24					
15	QPSK	1	37	22.27	22.08	22.02	24	0			
15	QPSK	1	74	22.07	22.14	22.22					
15	QPSK	36	0	21.66	21.54	21.46					
15	QPSK	36	20	21.66	21.56	21.55	23	1			
15	QPSK	36	40	21.58	21.48	21.47					
15	QPSK	75	0	21.52	21.49	21.56					
15	QPSK	75	0	21.94	21.67	21.68					
15	QPSK	75	0	21.88	21.60	21.62	23	1			
15	QPSK	75	0	21.84	21.62	21.97					
15	QPSK	36	0	20.83	20.75	20.70					
15	QPSK	36	20	20.75	20.84	20.70	22	2			
15	QPSK	36	40	20.57	20.57	20.68					
15	QPSK	75	0	20.76	20.61	20.71					
15	QPSK	75	0	20.33	20.31	20.34					
15	QPSK	15	0	21.02	20.89	20.82	22	2			
15	QPSK	15	74	20.97	20.89	20.87					
15	QPSK	36	0	19.87	19.71	19.67					
15	QPSK	36	20	19.75	19.51	19.67	21	3			
15	QPSK	36	40	19.60	19.73	19.52					
15	QPSK	75	0	18.70	18.66	18.71					
15	QPSK	75	0	18.08	18.11	18.02	19	5			
15	QPSK	15	0	17.98	18.06	17.92					
15	QPSK	15	74	17.93	18.06	18.04					
15	QPSK	36	0	17.87	18.13	18.10					
15	QPSK	36	20	17.87	18.04	18.04	19	5			
15	QPSK	36	40	17.87	18.05	17.93					
15	QPSK	75	0	17.86	17.98	17.82					
15	QPSK	75	0	17.86	17.98	17.80					
Channel											
Frequency (MHz)				1715	1725.5	1736	Turn-on time (ms)	MPE (dB)			
10	QPSK	1	0	22.24	22.24	22.24					
10	QPSK	1	25	22.27	22.25	22.28	24	0			
10	QPSK	1	50	22.30	22.13	22.22					
10	QPSK	25	0	21.91	21.77	21.75					
10	QPSK	25	12	22.03	21.82	21.81	23	1			
10	QPSK	25	25	21.65	21.77	21.84					
10	QPSK	50	0	21.93	21.79	21.82					
10	QPSK	100	0	21.18	22.25	22.04					
10	QPSK	100	24	22.30	22.26	22.17	23	1			
10	QPSK	100	48	22.11	21.94	21.75					
10	QPSK	25	0	20.92	20.81	20.75					
10	QPSK	25	12	21.01	20.83	20.86	22	2			
10	QPSK	25	25	20.85	20.75	20.78					
10	QPSK	50	0	20.94	20.97	20.76					
10	QPSK	50	24	20.76	21.13	20.59					
10	QPSK	100	0	20.18	21.03	20.94	22	2			
10	QPSK	100	48	21.18	21.30	21.06					
10	QPSK	100	96	20.97	20.91	20.84	21	3			
10	QPSK	25	0	19.87	19.81	19.84					
10	QPSK	25	12	19.80	19.74	19.74					
10	QPSK	25	25	19.60	19.74	19.87	21	3			
10	QPSK	50	0	19.87	19.81	19.84					
10	QPSK	50	24	19.65	19.19	17.95	19	5			
10	QPSK	100	0	18.03	18.17	17.99					
10	QPSK	100	48	18.07	18.16	18.04	19	5			
10	QPSK	100	96	18.05	18.09	17.91					
Channel											
Frequency (MHz)				1697.5 <th>1725.5<th>1697.5</th><th>Turn-on time (ms)</th><th>MPE (dB)</th><th colspan="3"></th></th>	1725.5 <th>1697.5</th> <th>Turn-on time (ms)</th> <th>MPE (dB)</th> <th colspan="3"></th>	1697.5	Turn-on time (ms)	MPE (dB)			
5	QPSK	1	0	22.10	22.26	22.26					
5	QPSK	1	12	22.14	22.12	22.13	24	0			
5	QPSK	1	24	22.27	22.21	22.26					
5	QPSK	12	0	21.94	21.74	21.74					
5	QPSK	12	7	21.96	21.78	21.78	23	1			
5	QPSK	15	0	21.96	21.75	21.82					
5	QPSK	25	0	21.94	21.74	21.75					
5	QPSK	100	0	22.06	21.77	21.75	23	1			
5	QPSK	100	24	22.21	22.06	21.83					
5	QPSK	100	48	22.28	21.83	21.81					
5	QPSK	12	0	20.85	20.70	20.79					
5	QPSK	12	7	21.04	20.89	20.84	22	2			
5	QPSK	12	13	21.04	20.89	20.88					
5	QPSK	25	0	21.02	20.73	20.70					
5	QPSK	25	12	21.10	21.16	20.83					
5	QPSK	100	0	20.46	20.79	20.75	22	2			
5	QPSK	100	48	21.21	20.86	20.75					
5	QPSK	100	96	20.88	19.77	19.81	21	3			
5	QPSK	12	7	19.80	19.82	19.83					
5	QPSK	12	13	19.86	19.89	19.76					
5	QPSK	25	0	20.90	19.74	19.82	21	3			
5	QPSK	100	0	18.09	18.09	18.02					
5	QPSK	100	48	18.07	18.07	18.07					
5	QPSK	100	96	17.95	18.07	17.97	19	5			
5	QPSK	12	0	18.03	18.14	18.04					
5	QPSK	12	7	17.95	18.06	17.95					
5	QPSK	12	13	17.95	18.01	17.95					
5	QPSK	25	0	18.05	17.97	17.99					
5	QPSK	25	12	18.02	17.97	17.97					
5	QPSK	25	25	17.95	18.01	17.95					
5	QPSK	50	0	18.05	17.97	17.99					
5	QPSK	50	24	18.02	17.97	17.97					
5	QPSK	50	48	17.95	18.01	17.95					
5	QPSK	100	0	17.95	17.97	17.97					
5	QPSK	100	48	17.95	17.97	17.97					
5	QPSK	100	96	17.95	17.97	17.97					
Channel											
Frequency (MHz)				1710.7	1725.5	1724.3	Turn-on time (ms)	MPE (dB)			
1.4	QPSK	1	0	22.33	22.37	22.18					
1.4	QPSK	1	3	22.15	22.10	22.05	24	0			
1.4	QPSK	1	6	22.02	22.15	22.33					
1.4	QPSK	3	0	22.22	22.04	21.66					
1.4	QPSK	3	4	21.86	21.78	21.66	23	1			
1.4	QPSK	3	8	21.84	21.76	21.76					
1.4	QPSK	15	0	21.86	21.78	21.65					
1.4	QPSK	100	0	22.24	21.91	21.88	23	1			
1.4	QPSK	100	24	22.25	22.05	22.05					
1.4	QPSK	100	48	22.03	22.14	22.24					
1.4	QPSK	100	96	22.11	21.85	20.94	22	2			
1.4	QPSK	100	144	20.88	20.71	20.77					
1.4	QPSK	3	0	20.95	20.94	20.87					
1.4	QPSK	3	4	20.91	20.85	20.82	21	3			
1.4	QPSK	3	8	20.91	20.86	20.89					
1.4	QPSK	15	0	19.73	19.70	19.66					
1.4	QPSK	100	0	18.01	18.06	17.92					
1.4	QPSK	100	48	18.02	18.02	18.02					
1.4	QPSK	100	96	17.95	18.11	18.06	19	5			
1.4	QPSK	3	0	18.02	18.09	18.14					
1.4	QPSK										



Band 7_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse (int / dim)	MPR (dB)				
Channel												
Frequency (MHz)				20850	21610	21610						
20	QPSK	1	0	23.35	23.35	23.35						
20	QPSK	1	48	23.21	23.33	23.19	24	0				
20	QPSK	1	96	23.17	23.25	23.15						
20	QPSK	50	0	22.98	23.03	23.05						
20	QPSK	50	24	22.87	23.00	22.82	24	0				
20	QPSK	100	0	22.87	22.94	22.83						
20	HQAM	1	0	22.68	22.67	22.67						
20	HQAM	1	48	22.60	22.60	22.60						
20	HQAM	1	96	22.70	22.86	22.74						
20	HQAM	50	0	22.20	22.21	22.20						
20	HQAM	50	24	22.23	22.35	22.39	23	1				
20	HQAM	100	0	22.20	22.24	22.25						
20	HQAM	1	0	22.35	22.46	22.53						
20	HQAM	1	48	22.40	22.50	22.50	23	1				
20	HQAM	1	96	22.45	22.46	22.43						
20	HQAM	50	0	21.15	21.21	21.21						
20	HQAM	50	24	21.15	21.36	21.32	22	2				
20	HQAM	100	0	21.30	21.32	21.33						
20	SSBDM	1	0	18.60	18.70	18.63						
20	SSBDM	1	48	18.64	18.70	18.78	19	5				
20	SSBDM	1	96	18.74	18.75	18.71						
20	SSBDM	50	0	18.71	18.72	18.59						
20	SSBDM	50	24	18.67	18.80	18.76	19	5				
20	SSBDM	50	50	18.60	18.70	18.63						
20	SSBDM	100	0	18.60	18.77	18.75						
Channel				20825	21610	21575	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20825	21610	21575						
15	QPSK	1	0	23.10	23.20	23.20						
15	QPSK	1	37	23.12	23.26	23.24	24	0				
15	QPSK	1	74	23.11	23.27	23.18						
15	QPSK	36	0	22.79	22.90	22.92						
15	QPSK	36	20	22.89	22.94	22.93	24	0				
15	QPSK	36	40	22.87	22.91	22.87						
15	QPSK	75	0	22.60	22.62	22.63						
15	HQAM	1	0	22.54	22.60	22.63						
15	HQAM	1	37	22.61	22.81	22.76	24	0				
15	HQAM	1	74	22.74	22.84	22.83						
15	HQAM	36	0	22.22	22.23	22.21						
15	HQAM	36	20	22.30	22.36	22.43	23	1				
15	HQAM	36	36	22.29	22.39	22.44						
15	HQAM	75	0	22.32	22.33	22.44						
15	HQAM	36	0	22.36	22.23	22.54						
15	HQAM	1	37	22.34	22.44	22.54	23	1				
15	HQAM	1	74	22.41	22.56	22.60						
15	HQAM	36	0	21.20	21.20	21.43						
15	HQAM	36	20	21.20	21.37	21.45	22	2				
15	HQAM	36	36	21.25	21.42	21.43						
15	HQAM	75	0	21.30	21.38	21.38						
15	SSBDM	1	0	18.50	18.72	18.71						
15	SSBDM	1	37	18.55	18.56	18.61	19	5				
15	SSBDM	1	74	18.60	18.70	18.64						
15	SSBDM	36	0	18.60	18.60	18.52						
15	SSBDM	36	20	18.57	18.65	18.63	19	5				
15	SSBDM	36	36	18.57	18.65	18.60						
15	SSBDM	75	0	18.63	18.73	18.65						
Channel				20880	21560	21400	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20880	21560	21400						
15	QPSK	1	0	23.20	23.29	23.20						
15	QPSK	1	25	23.29	23.11	23.12	24	0				
15	QPSK	1	50	23.23	23.23	23.16						
15	QPSK	25	0	22.93	23.03	23.17						
15	QPSK	25	12	23.03	23.06	23.21	24	0				
15	QPSK	25	25	23.06	23.02	23.17						
15	QPSK	50	0	23.00	23.02	23.17						
15	HQAM	1	0	23.05	22.98	23.06						
15	HQAM	1	25	23.11	23.11	23.14	24	0				
15	HQAM	1	48	22.98	23.13	23.10						
15	HQAM	25	0	22.40	22.46	22.59						
15	HQAM	25	12	22.60	22.54	22.40						
15	HQAM	25	25	22.40	22.58	22.62	23	1				
15	HQAM	50	0	22.43	22.46	22.58						
15	HQAM	1	0	22.50	22.68	22.73						
15	HQAM	1	25	22.54	22.60	22.74	23	1				
15	HQAM	1	48	22.57	22.66	22.86						
15	HQAM	25	0	21.30	21.49	21.57						
15	HQAM	25	12	21.44	21.48	21.58	22	2				
15	HQAM	25	25	21.47	21.50	21.60						
15	HQAM	50	0	21.46	21.47	21.55						
15	SSBDM	1	0	18.67	18.69	18.66						
15	SSBDM	1	25	18.65	18.66	18.54	19	5				
15	SSBDM	1	48	18.62	18.72	18.67						
15	SSBDM	25	0	18.60	18.70	18.65						
15	SSBDM	25	12	18.62	18.74	18.63	19	5				
15	SSBDM	25	25	18.53	18.69	18.59						
15	SSBDM	50	0	18.67	18.65	18.63						
Channel				20775	21560	21425	Timeuse (int / dim)	MPR (dB)				
Frequency (MHz)				20775	21560	21425						
5	QPSK	1	0	22.80	22.77	22.94						
5	QPSK	1	12	22.97	23.07	23.18	24	0				
5	QPSK	1	24	22.93	23.04	23.15						
5	QPSK	12	0	22.85	23.01	23.15						
5	QPSK	12	7	23.03	23.15	23.25	24	0				
5	QPSK	12	13	22.80	23.11	23.18						
5	QPSK	25	0	22.99	23.00	23.08						
5	HQAM	1	0	22.80	23.08	23.07						
5	HQAM	1	12	23.04	23.09	23.23	24	0				
5	HQAM	1	24	23.02	23.07	23.22						
5	HQAM	12	0	22.40	22.44	22.50						
5	HQAM	12	7	22.47	22.61	22.66						
5	HQAM	12	13	22.40	22.58	22.64	23	1				
5	HQAM	25	0	22.40	22.47	22.48						
5	HQAM	1	0	22.61	22.71	22.73						
5	HQAM	1	12	22.69	22.73	22.75	23	1				
5	HQAM	24	0	22.54	22.65	22.79						
5	HQAM	12	0	21.46	21.47	21.53						
5	HQAM	12	7	21.47	21.63	21.64	22	2				
5	HQAM	12	13	21.44	21.58	21.63						
5	HQAM	25	0	21.41	21.46	21.49						
5	SSBDM	1	0	18.52	18.70	18.65						
5	SSBDM	1	12	18.46	18.68	18.60	19	5				
5	SSBDM	1	24	18.51	18.71	18.69						
5	SSBDM	12	0	18.60	18.60	18.55						
5	SSBDM	12	7	18.50	18.58	18.59						
5	SSBDM	12	13	18.51	18.61	18.56	19	5				
5	SSBDM	25	0	18.57	18.64	18.72						

Band 7_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Timeuse (int, dim)	MPR (dB)				
Channel												
Frequency (MHz)				20650	21100	21600						
20	QPSK	1	0	20.10	20.08	20.06						
20	QPSK	1	48	22.62	22.63	22.78	24	0				
20	QPSK	1	96	22.61	22.62	22.72						
20	QPSK	50	0	22.57	22.59	22.52						
20	QPSK	50	24	21.96	22.05	21.90	23	1				
20	QPSK	50	50	21.92	22.01	21.81						
20	HQAM	1	0	22.68	22.61	22.47						
20	HQAM	1	48	22.20	21.95	22.41	23	1				
20	HQAM	1	96	22.07	21.89	22.25						
20	HQAM	50	0	20.78	20.84	20.96						
20	HQAM	50	24	21.07	20.94	21.10						
20	HQAM	50	50	21.29	21.16	21.32	22	2				
20	HQAM	100	0	20.97	21.00	21.16						
20	HQAM	100	0	20.54	21.16	20.63						
20	HQAM	100	24	21.29	21.16	21.42	22	2				
20	HQAM	1	99	20.83	21.00	21.05						
20	HQAM	50	0	19.97	19.94	20.04						
20	HQAM	50	24	20.83	20.97	21.10						
20	HQAM	50	50	19.99	20.01	20.18	21	3				
20	HQAM	100	0	19.97	19.96	20.14						
20	HQAM	100	24	20.83	20.97	21.14						
20	HQAM	100	49	19.16	19.28	19.10	10	5				
20	HQAM	1	99	18.17	18.22	18.13						
20	HQAM	1	99	18.17	18.22	18.13						
20	HQAM	50	24	19.20	19.28	19.10						
20	HQAM	50	50	18.11	18.23	18.10						
20	HQAM	100	0	18.11	18.23	18.10						
20	HQAM	100	24	19.20	19.28	19.14						
Channel												
Frequency (MHz)				20625	21100	21600	Timeuse (int, dim)	MPR (dB)				
15	QPSK	1	0	20.07	20.03	20.02						
15	QPSK	1	48	22.48	22.49	22.61	24	0				
15	QPSK	1	74	22.63	22.60	22.63						
15	QPSK	50	0	21.96	22.01	21.90						
15	QPSK	50	24	21.97	22.00	22.11	23	1				
15	QPSK	36	20	21.96	22.07	22.08						
15	HQAM	1	0	21.95	22.05	22.06						
15	HQAM	1	0	22.20	22.34	22.42						
15	HQAM	1	37	22.28	22.77	22.27	23	1				
15	HQAM	1	37	22.28	22.77	22.27						
15	HQAM	36	20	21.96	22.07	22.08						
15	HQAM	36	20	20.85	20.96	21.14	22	2				
15	HQAM	36	20	21.05	21.16	21.32						
15	HQAM	75	0	20.97	20.99	21.15						
15	HQAM	1	0	21.18	21.20	21.18						
15	HQAM	1	0	18.08	18.10	18.10	22	2				
15	HQAM	1	74	21.21	20.98	20.97						
15	HQAM	36	0	19.89	19.94	20.05						
15	HQAM	36	20	20.97	20.99	21.15	21	3				
15	HQAM	36	20	21.01	21.14	21.07						
15	HQAM	75	0	19.94	19.97	20.05						
15	HQAM	75	0	18.23	18.10	18.11						
15	256QAM	1	37	18.01	18.20	18.01	10	5				
15	256QAM	1	74	18.05	18.18	17.90						
15	256QAM	1	74	18.05	18.18	17.90						
15	256QAM	36	20	19.07	19.17	18.18	10	5				
15	256QAM	36	20	18.07	18.21	18.04						
15	256QAM	36	20	18.07	18.21	18.04						
15	256QAM	75	0	18.15	18.15	18.15						
Channel												
Frequency (MHz)				20600	21100	21600	Timeuse (int, dim)	MPR (dB)				
10	QPSK	1	0	20.07	20.03	20.02						
10	QPSK	1	26	22.77	22.91	22.94	24	0				
10	QPSK	1	49	22.77	22.94	22.83						
10	QPSK	50	0	22.57	22.59	22.52						
10	QPSK	25	12	22.09	22.09	22.31	23	1				
10	QPSK	25	12	22.09	22.09	22.31						
10	QPSK	25	26	22.10	22.28	22.27						
10	HQAM	1	0	22.39	22.63	22.74						
10	HQAM	1	26	22.48	22.21	22.64	23	1				
10	HQAM	1	49	22.48	22.26	22.64						
10	HQAM	25	0	21.02	21.01	21.30						
10	HQAM	25	12	21.10	21.19	21.30	22	2				
10	HQAM	25	12	21.10	21.19	21.30						
10	HQAM	50	0	21.06	21.11	21.30						
10	HQAM	1	0	21.04	21.59	21.40						
10	HQAM	1	0	21.20	21.20	21.20	22	2				
10	HQAM	1	49	21.24	21.21	21.50						
10	HQAM	25	0	20.03	20.22	20.30						
10	HQAM	25	0	20.22	20.22	20.22	21	3				
10	HQAM	25	26	20.01	20.16	20.16						
10	HQAM	50	0	20.05	20.16	20.22						
10	HQAM	50	0	18.25	18.16	18.16						
10	256QAM	1	26	18.15	18.11	18.18	10	5				
10	256QAM	1	49	18.15	18.11	18.18						
10	256QAM	1	49	18.15	18.11	18.18						
10	256QAM	25	12	18.09	18.26	18.10	10	5				
10	256QAM	25	26	18.07	18.17	18.05						
10	256QAM	25	26	18.07	18.17	18.05						
Channel												
Frequency (MHz)				20775	21100	21600	Timeuse (int, dim)	MPR (dB)				
5	QPSK	1	0	20.07	20.03	20.02						
5	QPSK	1	12	22.77	22.90	22.90	24	0				
5	QPSK	1	24	22.83	22.94	22.81						
5	QPSK	12	0	22.00	22.11	22.11						
5	QPSK	12	0	22.11	22.11	22.30	23	1				
5	QPSK	12	13	22.13	22.22	22.28						
5	HQAM	1	0	22.68	22.67	22.63						
5	HQAM	1	12	22.47	22.68	22.41	23	1				
5	HQAM	1	24	22.67	22.67	22.67						
5	HQAM	12	0	21.07	21.19	21.20						
5	HQAM	12	7	21.30	21.25	21.30	22	2				
5	HQAM	12	13	21.23	21.23	21.23						
5	HQAM	25	0	21.15	21.18	21.18	21	3				
5	HQAM	1	0	21.31	21.46	21.18						
5	HQAM	1	0	21.71	21.71	21.71	22	2				
5	HQAM	1	24	21.28	21.64	21.31						
5	HQAM	12	0	19.92	20.04	20.21						
5	HQAM	12	0	19.92	20.04	20.24	21	3				
5	HQAM	12	13	20.11	20.10	20.18						
5	HQAM	25	0	19.95	20.17	20.10						
5	256QAM	1	12	18.09	18.15	18.18	10	5				
5	256QAM	1	12	18.09	18.15	18.18						
5	256QAM	1	24	18.10	18.09	18.05						
5	256QAM	12	7	18.14	18.24	18.14	10	5				
5	256QAM	12	13	17.98	18.09	18.10						

Band 12_Ant 1												
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
704 707.5 711												
10	QPSK	1	0	22.41	22.42	22.38	24	0				
10	QPSK	1	25	22.35	22.39	22.28						
10	QPSK	1	40	22.25	22.26	22.24						
10	QPSK	25	0	22.39	22.13	21.98						
10	QPSK	25	12	22.08	22.09	21.94	23	1				
10	QPSK	25	25	22.03	22.05	21.87						
10	QPSK	50	0	22.07	22.08	22.00						
10	IQOAM	1	0	22.07	22.23	22.21						
10	IQOAM	1	25	22.15	22.28	22.25	23	1				
10	IQOAM	1	40	22.18	22.01	22.31						
10	IQOAM	25	0	20.95	20.99	20.97						
10	IQOAM	25	12	21.17	21.03	21.08						
10	IQOAM	25	25	21.08	21.10	21.05	22	2				
10	IQOAM	50	0	21.12	20.95	21.08						
10	IQOAM	1	0	21.12	21.34	21.51						
10	IQOAM	1	25	21.39	21.29	21.25						
10	IQOAM	1	40	20.84	21.30	21.17	22	2				
10	IQOAM	25	0	19.95	20.97	19.98						
10	IQOAM	25	12	20.18	20.09	20.10						
10	IQOAM	25	25	20.03	20.04	20.17						
10	25QOAM	1	0	18.00	18.12	17.97	19	5				
10	25QOAM	1	25	18.08	18.10	17.95						
10	25QOAM	1	40	17.95	18.08	17.97						
10	25QOAM	25	0	17.91	18.00	17.95						
10	25QOAM	25	12	17.95	18.05	17.90						
10	25QOAM	25	25	18.07	18.15	18.05						
10	25QOAM	50	0	18.02	18.11	18.01						
Channel												
Frequency (MHz)												
701.5 707.5 713.5												
5	QPSK	1	0	22.24	22.18	22.40	24	0				
5	QPSK	1	12	22.39	22.32	22.41						
5	QPSK	1	24	22.33	22.38	22.34						
5	QPSK	12	0	21.91	21.95	21.96						
5	QPSK	12	7	22.07	21.94	22.04	23	1				
5	QPSK	12	13	21.99	21.97	22.02						
5	QPSK	25	0	22.03	21.92	21.97						
5	IQOAM	1	0	22.15	22.10	22.19						
5	IQOAM	1	12	22.03	22.03	22.05	23	1				
5	IQOAM	1	24	22.17	22.31	22.40						
5	IQOAM	12	0	21.00	21.06	21.01						
5	IQOAM	12	7	21.23	21.14	21.04						
5	IQOAM	12	13	21.13	20.96	21.07	22	2				
5	IQOAM	25	0	21.08	21.13	20.98						
5	IQOAM	1	24	21.04	21.27	21.04						
5	IQOAM	1	12	20.97	21.18	21.22						
5	IQOAM	1	24	21.28	21.13	21.27	22	2				
5	IQOAM	12	0	18.80	18.95	18.85						
5	IQOAM	12	7	18.97	18.93	19.04						
5	IQOAM	12	13	20.13	20.06	20.24						
5	IQOAM	12	13	20.13	20.09	20.25	21	3				
5	25QOAM	1	0	17.88	18.07	17.92						
5	25QOAM	1	12	18.07	18.06	17.93						
5	25QOAM	1	24	17.93	17.96	17.91						
5	25QOAM	12	7	17.85	17.95	17.83	19	5				
5	25QOAM	12	13	17.80	17.86	17.82						
5	25QOAM	25	0	17.85	17.95	17.87						
5	25QOAM	25	0	18.00	18.09	17.93						
Channel												
Frequency (MHz)												
709.0 707.5 713.5												
3	QPSK	1	0	22.19	22.22	22.22	24	0				
3	QPSK	1	8	22.33	22.41	22.29						
3	QPSK	1	16	22.29	22.34	22.23						
3	QPSK	8	0	21.97	21.91	21.90						
3	QPSK	8	4	22.03	21.99	22.09	23	1				
3	QPSK	8	7	22.06	22.01	21.94						
3	QPSK	16	0	22.00	21.95	21.97						
3	IQOAM	1	0	22.06	21.92	22.10						
3	IQOAM	1	8	22.23	22.23	22.10	23	1				
3	IQOAM	1	14	22.09	22.18	22.33						
3	IQOAM	8	0	21.13	20.99	21.03						
3	IQOAM	8	4	21.02	21.11	21.10						
3	IQOAM	8	7	21.08	21.01	21.02	22	2				
3	IQOAM	15	0	21.03	20.96	20.97						
3	IQOAM	1	0	21.40	21.14	21.15						
3	IQOAM	1	8	21.26	21.13	21.01						
3	IQOAM	1	14	20.84	21.34	21.26	22	2				
3	IQOAM	8	0	19.99	19.99	19.79						
3	IQOAM	8	4	20.03	20.09	20.05						
3	IQOAM	8	7	19.97	19.94	19.92						
3	25QOAM	1	0	17.90	18.05	17.85	19	5				
3	25QOAM	1	8	17.99	17.96	17.81						
3	25QOAM	1	14	17.85	17.96	17.91						
3	25QOAM	8	0	17.80	17.85	17.88						
3	25QOAM	8	4	17.91	17.94	17.78	19	5				
3	25QOAM	8	7	17.85	18.05	18.00						
3	25QOAM	15	0	17.94	18.08	17.82						
Channel												
Frequency (MHz)												
709.7 707.5 713.5												
1.4	QPSK	1	0	22.35	22.37	22.26	24	0				
1.4	QPSK	1	3	22.30	22.28	22.22						
1.4	QPSK	1	6	22.12	22.22	22.10						
1.4	QPSK	3	0	22.23	22.04	22.23						
1.4	QPSK	3	1	22.19	22.15	22.16	23	1				
1.4	QPSK	3	1	22.23	22.22	22.18						
1.4	QPSK	6	0	22.01	21.99	21.86						
1.4	IQOAM	1	0	21.92	22.14	22.08						
1.4	IQOAM	1	6	22.11	22.29	22.11	23	1				
1.4	IQOAM	1	5	22.10	21.94	22.20						
1.4	IQOAM	3	0	21.90	22.02	22.03						
1.4	IQOAM	3	1	22.06	22.24	22.03						
1.4	IQOAM	3	3	21.99	21.80	22.10	22	2				
1.4	IQOAM	6	0	20.97	20.81	21.00						
1.4	IQOAM	1	0	20.98	21.28	21.37						
1.4	IQOAM	1	3	21.30	21.09	21.16						
1.4	IQOAM	1	5	20.73	21.15	21.08	22	2				
1.4	IQOAM	3	0	20.51	20.67	20.55						
1.4	IQOAM	3	1	21.29	20.99	21.14						
1.4	IQOAM	3	1	20.88	21.06	20.95						
1.4	IQOAM	6	0	19.80	19.85	19.78	21	3				
1.4	25QOAM	1	0	17.99	18.10	17.83						
1.4	25QOAM	1	5	18.09	18.07	17.82						
1.4	25QOAM	1	5	17.85	17.94	17.88						
1.4	25QOAM	3	0	17.79	17.99	17.88	19	5				
1.4	25QOAM	3	1	17.85	17.95	17.89						
1.4	25QOAM	3	3	17.97	18.11	17.99						
1.4	25QOAM	5	0	17.86	17.98	17.91						

Band 13_Ant 0									
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up (dBHz)	MFR (dB)	
Channel							23230		
Frequency (MHz)									
10	QPSK	1	0		23.33		24	0	
10	QPSK	1	25		23.24				
10	QPSK	1	40		23.24				
10	QPSK	1	55		23.27				
10	QPSK	25	12		22.59		24	0	
10	QPSK	25	25		23.01				
10	QPSK	25	38		23.05				
10	QPSK	25	50		23.28				
10	QPSK	1	0		23.11		24	0	
10	QPSK	1	25		23.30				
10	QPSK	25	0		22.59				
10	QPSK	25	12		22.44				
10	QPSK	25	15		22.46		23	1	
10	QPSK	25	25		22.66				
10	QPSK	50	0		22.56				
10	QPSK	1	0		22.93				
10	QPSK	1	0		23.03		23	1	
10	QPSK	1	25		22.87				
10	QPSK	25	0		21.87				
10	QPSK	25	12		21.66				
10	QPSK	25	25		21.63		22	2	
10	QPSK	25	38		21.57				
10	QPSK	25	50		21.57				
10	QPSK	50	0		18.90				
10	QPSK	25	12		18.85		19	5	
10	QPSK	25	25		18.82				
10	QPSK	25	38		18.88				
10	QPSK	25	50		18.97				
10	QPSK	25	12		18.97		19	5	
10	QPSK	25	25		18.97				
10	QPSK	25	38		18.95				
10	QPSK	50	0		18.95				
Channel							23235 <th colspan="2" rowspan="2"></th>		
Frequency (MHz)									
5	QPSK	1	0	22.18	22.56	22.17	24	0	
5	QPSK	1	12	23.04	23.02	23.00			
5	QPSK	1	24	22.91	22.98	22.93			
5	QPSK	1	36	22.95	22.95	22.93			
5	QPSK	12	7	23.06	23.08	23.05	24	0	
5	QPSK	12	19	23.01	23.01	22.99			
5	QPSK	12	31	23.05	23.05	23.01			
5	QPSK	12	43	23.06	23.01	23.00			
5	QPSK	1	0	23.27	23.10	23.31	24	0	
5	QPSK	1	12	23.09	23.20	23.14			
5	QPSK	1	24	22.99	23.02	23.03			
5	QPSK	12	0	22.88	22.82	22.60			
5	QPSK	12	7	22.69	22.74	22.73	23	1	
5	QPSK	12	19	22.66	22.68	22.64			
5	QPSK	25	0	22.81	22.97	22.64			
5	QPSK	1	0	22.90	22.77	22.78			
5	QPSK	12	7	22.81	22.88	22.87	23	1	
5	QPSK	12	19	22.73	22.79	22.78			
5	QPSK	12	0	21.57	21.59	21.58			
5	QPSK	12	12	21.66	21.71	21.68			
5	QPSK	12	24	21.62	21.66	21.65	22	2	
5	QPSK	25	0	21.66	21.53	21.62			
5	QPSK	1	0	18.92	18.98	18.97			
5	QPSK	12	12	18.80	18.74	18.74			
5	QPSK	1	24	18.86	18.84	18.81	19	5	
5	QPSK	12	12	18.87	18.82	18.82			
5	QPSK	12	7	18.92	18.91	18.94			
5	QPSK	12	19	18.90	18.75	18.78			



Band 17_Ant 1										
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Tune-up (dB)	MVR (dB)		
Channel				23765	23765	23800				
Frequency [MHz]										
10	QPSK	1	0	22.35	22.39	22.30				
10	QPSK	1	25	22.37	22.32	22.28	24	0		
10	QPSK	12	46	22.02	22.29	22.25				
10	QPSK	25	0	22.11	22.14	22.12				
10	QPSK	25	12	22.10	21.98	22.01	23	1		
10	QPSK	25	25	22.06	22.02	22.07				
10	QPSK	50	0	22.01	22.05	22.00				
10	QPSK	1	0	22.06	22.23	22.30	23	1		
10	QPSK	1	25	22.19	22.30	22.16				
10	QPSK	1	49	22.38	22.30	22.34				
10	QPSK	25	0	20.80	21.01	20.96				
10	QPSK	25	12	20.81	20.99	20.94	23	1		
10	QPSK	25	25	21.14	21.13	21.11	22	2		
10	QPSK	50	0	21.06	21.00	21.08				
10	QPSK	1	0	21.32	21.23	21.57				
10	QPSK	1	25	21.28	21.09	21.55	22	2		
10	QPSK	1	49	21.19	21.23	21.03				
10	QPSK	25	0	20.04	19.99	19.98				
10	QPSK	25	12	19.99	20.19	19.94	21	3		
10	QPSK	25	25	20.10	20.03	19.99				
10	QPSK	50	0	20.08	20.02	19.99				
10	QPSK	1	0	18.17	18.18	18.06				
10	QPSK	1	25	18.19	18.13	18.05	19	5		
10	QPSK	1	49	18.11	18.20	18.12				
10	QPSK	25	0	18.00	18.14	18.04				
10	QPSK	25	12	18.13	18.18	18.11	19	5		
10	QPSK	25	25	18.04	18.17	18.03				
10	QPSK	50	0	18.08	18.20	18.07				
Channel				23765	23765	23800		700	711	
Frequency [MHz]										
5	QPSK	1	0	22.30	22.18	22.11	24	0		
5	QPSK	1	12	22.30	22.31	22.34				
5	QPSK	12	4	22.18	22.28	22.28				
5	QPSK	12	7	22.00	21.89	21.96	23	1		
5	QPSK	12	7	22.06	22.11	22.09				
5	QPSK	12	13	22.11	22.04	22.04				
5	QPSK	25	0	22.04	21.98	21.94				
5	QPSK	1	0	22.38	22.19	22.01	23	1		
5	QPSK	1	12	22.23	22.18	22.28				
5	QPSK	1	24	22.02	22.04	22.02				
5	QPSK	12	0	21.02	21.02	21.08	22	2		
5	QPSK	12	7	21.14	20.97	20.99				
5	QPSK	12	13	21.13	21.09	21.02				
5	QPSK	25	0	20.98	21.04	20.90				
5	QPSK	1	0	21.38	21.34	21.35	22	2		
5	QPSK	1	12	21.33	21.29	21.34				
5	QPSK	1	24	21.04	21.26	21.20				
5	QPSK	12	0	20.03	20.07	20.00	21	3		
5	QPSK	12	7	19.98	20.05	20.10				
5	QPSK	12	13	20.00	20.06	20.04				
5	QPSK	25	0	18.00	18.13	18.04	19	5		
5	QPSK	1	0	17.89	18.05	18.03				
5	QPSK	1	12	18.07	18.13	18.10				
5	QPSK	12	0	17.80	18.13	17.96				
5	QPSK	12	7	18.14	18.08	18.06	19	5		
5	QPSK	12	13	17.95	18.08	17.90				
5	QPSK	25	0	17.85	18.08	17.95				

Band 25_Ant 2										
BW [MHz]	Modulation	RB Sub	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Tune-up (mHz)	MVR (dB)		
Channel										
Frequency (MHz)				24140	24140	24160		700	706	
30	QPSK	1	0	22.80	22.99	22.75				
30	QPSK	1	49	22.73	22.85	22.70	24	0		
30	QPSK	1	98	22.70	22.82	22.68				
30	QPSK	50	0	22.30	22.44	22.30				
30	QPSK	50	24	22.38	22.40	22.32	23	1		
30	QPSK	100	0	22.02	22.08	22.01				
30	QPSK	1	0	22.62	22.62	22.54	23	1		
30	QPSK	1	25	22.64	22.59	22.76				
30	QPSK	1	99	22.37	22.42	22.74				
30	QPSK	50	0	22.09	21.93	22.13				
30	QPSK	50	24	22.08	22.01	22.12				
30	QPSK	50	50	21.98	21.95	22.19	23	1		
30	QPSK	100	0	22.06	22.01	22.21				
30	QPSK	1	0	22.39	22.24	22.13				
30	QPSK	1	49	22.12	22.08	22.20	23	1		
30	QPSK	1	99	21.98	22.04	22.30				
30	QPSK	50	0	21.13	20.93	21.10				
30	QPSK	50	24	21.08	21.01	21.08	22	2		
30	QPSK	50	50	20.99	20.96	21.09				
30	QPSK	100	0	21.08	20.98	21.15				
30	QPSK	1	0	18.60	18.70	18.61				
30	QPSK	1	49	18.65	18.60	18.76	19	5		
30	QPSK	1	99	18.74	18.78	18.72				
30	QPSK	50	0	18.60	18.62	18.68				
30	QPSK	50	24	18.62	18.75	18.65	19	5		
30	QPSK	50	50	18.67	18.72	18.64				
30	QPSK	100	0	18.69	18.70	18.55				
Channel										
Frequency (MHz)				24170	24170	24180		700	706	
15	QPSK	1	0	22.70	22.58	22.71				
15	QPSK	1	37	22.68	22.57	22.71	24	0		
15	QPSK	1	74	22.59	22.67	22.71				
15	QPSK	38	0	22.43	22.22	22.35				
15	QPSK	38	30	22.38	22.27	22.45	23	1		
15	QPSK	38	60	22.38	22.28	22.43				
15	QPSK	75	0	22.38	22.29	22.45				
15	QPSK	1	0	22.56	22.51	22.51				
15	QPSK	1	37	22.57	22.55	22.58	23	1		
15	QPSK	1	74	22.56	22.48	22.52				
15	QPSK	38	0	22.12	21.97	22.12				
15	QPSK	38	30	22.12	21.96	22.18	23	1		
15	QPSK	38	60	22.06	21.98	22.26				
15	QPSK	75	0	22.10	21.98	22.17				
15	QPSK	1	0	22.22	22.14	22.18				
15	QPSK	1	37	22.11	22.13	22.28	23	1		
15	QPSK	1	74	22.12	21.94	22.11				
15	QPSK	38	0	20.10	20.35	20.10				
15	QPSK	38	30	20.17	20.56	20.19	22	2		
15	QPSK	38	60	21.06	20.93	21.20				
15	QPSK	75	0	21.06	20.97	21.18				
15	QPSK	1	0	18.69	18.67	18.49	19	5		
15	QPSK	1	37	18.62	18.79	18.71				
15	QPSK	1	74	18.65	18.67	18.62				
15	QPSK	38	0	18.67	18.77	18.66				
15	QPSK	38	30	18.64	18.64	18.64				
15	QPSK	38	60	18.52	18.65	18.58				
15	QPSK	75	0	18.52	18.61	18.58				
Channel										
Frequency (MHz)				24170	24170	24180		700	706	
10	QPSK	1	0	22.40	22.28	22.48				
10	QPSK	1	25	22.48	22.39	22.58	24	0		
10	QPSK	1	50	22.37	22.27	22.53				
10	QPSK	25	0	22.44	22.31	22.59				
10	QPSK	25	12	22.55	22.41	22.59	23	1		
10	QPSK	25	25	22.48	22.37	22.58				
10	QPSK	50	0	22.49	22.38	22.55				
10	QPSK	1	0	22.77	22.72	22.77	23	1		
10	QPSK	1	25	22.68	22.60	22.77				
10	QPSK	1	49	22.72	22.68	22.75				
10	QPSK	25	0	22.17	22.06	22.24				
10	QPSK	25	12	22.28	22.17	22.37				
10	QPSK	25	25	22.21	22.13	22.35	23	1		
10	QPSK	50	0	22.25	22.15	22.31				
10	QPSK	50	12	22.28	22.20	22.42				
10	QPSK	1	0	22.40	22.28	22.47	23	1		
10	QPSK	1	49	22.39	22.24	22.46				
10	QPSK	1	25	21.23	21.05	21.22				
10	QPSK	25	12	21.28	21.13	21.31	22	2		
10	QPSK	25	25	21.19	21.10	21.28				
10	QPSK	50	0	21.23	21.10	21.31				
10	QPSK	1	0	18.52	18.67	18.57				
10	QPSK	1	25	18.53	18.66	18.59	19	5		
10	QPSK	1	49	18.67	18.75	18.71				
10	QPSK	25	0	18.69	18.81	18.59				
10	QPSK	25	12	18.67	18.80	18.64	19	5		
10	QPSK	25	25	18.55	18.74	18.64				
10	QPSK	50	0	18.54	18.69	18.49				



Band 26(FCC)_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up Int (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
B15.5 B15.5 B15.5												
15	QPSK	1	0	22.85	22.88	22.85			24	0		
15	QPSK	1	37	22.75	22.78	22.69						
15	QPSK	1	74	22.65	22.70	22.66						
15	QPSK	36	0	22.60	22.68	22.70						
15	QPSK	36	20	22.55	22.58	22.52			24	0		
15	QPSK	36	39	22.42	22.43	22.36						
15	QPSK	75	0	22.53	22.57	22.38						
15	QPSK	75	1	22.81	22.88	22.62						
15	16QAM	1	0	22.81	22.88	22.82			24	0		
15	16QAM	1	37	22.85	22.75	22.55						
15	16QAM	1	74	22.69	22.58	22.51						
15	16QAM	36	0	21.82	21.87	21.58						
15	16QAM	36	20	21.84	21.68	21.51			23	1		
15	16QAM	36	39	21.79	21.63	21.63						
15	16QAM	75	0	21.84	21.68	21.51						
15	16QAM	75	1	21.70	21.53	21.59						
15	64QAM	1	37	21.75	21.53	21.79			23	1		
15	64QAM	36	0	21.80	21.59	21.53						
15	64QAM	36	20	21.84	21.62	21.54						
15	64QAM	75	0	20.82	20.67	20.48						
15	64QAM	75	1	20.80	20.62	20.54			22	2		
15	64QAM	75	20	20.82	20.67	20.48						
15	256QAM	1	0	18.74	18.75	18.70						
15	256QAM	1	37	18.72	18.80	18.65			19	5		
15	256QAM	1	74	18.80	18.83	18.81						
15	256QAM	36	0	18.67	18.73	18.65						
15	256QAM	36	20	18.75	18.80	18.70						
15	256QAM	36	39	18.75	18.75	18.75			19	5		
15	256QAM	75	0	18.75	18.83	18.70						
Channel												
Frequency (MHz)												
B15.5 B15.5 B15.5												
10	QPSK	1	0	22.78	22.78	22.69			24	0		
10	QPSK	1	25	22.64	22.72	22.58						
10	QPSK	1	49	22.53	22.63	22.48						
10	QPSK	25	0	22.46	22.61	22.44						
10	QPSK	25	12	22.50	22.51	22.37			24	0		
10	QPSK	25	24	22.38	22.37	22.25						
10	QPSK	50	0	22.43	22.53	22.18						
10	QPSK	1	0	22.74	22.83	22.55						
10	16QAM	1	25	22.73	22.71	22.51			24	0		
10	16QAM	1	49	22.50	22.44	22.47						
10	16QAM	25	0	21.69	21.63	21.51						
10	16QAM	25	12	21.73	21.67	21.44						
10	16QAM	25	25	21.76	21.51	21.45			23	1		
10	16QAM	50	0	21.70	21.63	21.42						
10	16QAM	1	24	21.59	21.78	21.48						
10	64QAM	1	25	21.85	21.71	21.58						
10	64QAM	1	49	21.80	21.49	21.59			23	1		
10	64QAM	25	0	20.79	20.60	20.47						
10	64QAM	25	12	20.81	20.54	20.47						
10	64QAM	25	25	20.71	20.58	20.43						
10	64QAM	50	0	20.71	20.57	20.39			22	2		
10	256QAM	1	0	18.69	18.72	18.56						
10	256QAM	1	25	18.58	18.72	18.58						
10	256QAM	1	49	18.74	18.81	18.71						
10	256QAM	25	0	18.52	18.67	18.52			19	5		
10	256QAM	25	12	18.57	18.67	18.45						
10	256QAM	25	25	18.51	18.73	18.58						
10	256QAM	50	0	18.58	18.81	18.67						
Channel												
Frequency (MHz)												
B15.5 B15.5 B15.5												
5	QPSK	1	0	22.82	22.86	22.81			24	0		
5	QPSK	1	12	22.61	22.67	22.60						
5	QPSK	1	24	22.45	22.58	22.43						
5	QPSK	12	0	22.57	22.68	22.59						
5	QPSK	12	7	22.51	22.47	22.39			24	0		
5	QPSK	12	14	22.38	22.40	22.31						
5	QPSK	25	0	22.52	22.54	22.45						
5	16QAM	1	0	22.74	22.75	22.53						
5	16QAM	1	12	22.78	22.68	22.51			24	0		
5	16QAM	1	24	22.52	22.46	22.44						
5	16QAM	12	0	21.67	21.58	21.56						
5	16QAM	12	7	21.69	21.68	21.51						
5	16QAM	12	13	21.72	21.55	21.48			23	1		
5	16QAM	25	0	21.62	21.66	21.38						
5	16QAM	1	0	21.67	21.78	21.68						
5	64QAM	1	12	21.61	21.76	21.72						
5	64QAM	1	24	21.66	21.42	21.49			23	1		
5	64QAM	12	0	20.64	20.62	20.52						
5	64QAM	12	7	20.72	20.59	20.45						
5	64QAM	12	13	20.69	20.47	20.46						
5	64QAM	25	0	20.69	20.55	20.39			22	2		
5	256QAM	1	0	18.60	18.65	18.59						
5	256QAM	1	12	18.58	18.76	18.64						
5	256QAM	1	24	18.71	18.72	18.65						
5	256QAM	12	0	18.62	18.70	18.56			19	5		
5	256QAM	12	7	18.65	18.77	18.61						
5	256QAM	12	13	18.51	18.73	18.57						
5	256QAM	25	0	18.61	18.75	18.61						
Channel												
Frequency (MHz)												
B15.5 B15.5 B15.5												
3	QPSK	1	0	22.76	22.78	22.74			24	0		
3	QPSK	1	8	22.63	22.67	22.64						
3	QPSK	1	14	22.52	22.68	22.53						
3	QPSK	8	0	22.46	22.55	22.50						
3	QPSK	8	4	22.52	22.47	22.41			24	0		
3	QPSK	8	7	22.38	22.32	22.24						
3	QPSK	15	0	22.42	22.47	22.17						
3	16QAM	1	0	22.72	22.74	22.52						
3	16QAM	8	4	22.74	22.72	22.59			24	0		
3	16QAM	1	14	22.56	22.43	22.39						
3	16QAM	8	0	21.79	21.61	21.53						
3	16QAM	8	4	21.74	21.58	21.47			23	1		
3	16QAM	15	0	21.68	21.58	21.42						
3	16QAM	1	0	21.79	21.56	21.43						
3	16QAM	1	8	21.83	21.82	21.67						
3	16QAM	1	14	21.79	21.70	21.73			23	1		
3	16QAM	1	24	21.68	21.52	21.46						
3	16QAM	8	0	20.73	20.58	20.35						
3	16QAM	8	4	20.68	20.55	20.30						
3	16QAM	8	7	20.76	20.47	20.41			22	2		
3	16QAM	15	0	20.68	20.47	20.35						
3	256QAM	1	0	18.56	18.70	18.56						
3	256QAM	1	8	18.67	18.80	18.67						
3	256QAM	8	0	18.66	18.65	18.53			19	5		
3	256QAM	8	4	18.66	18.77	18.63						
3	256QAM	8	7	18.56	18.76	18.54						
3	256QAM	15	0	18.74	18.73	18.65						
Channel												
Frequency (MHz)												
B15.5 B15.5 B15.5												
1.4	QPSK	1	0	22.72	22.82	22.77			24	0		
1.4	QPSK	1	3	22.63	22.65	22.28						
1.4	QPSK	1	5	22.84	22.69	22.30						
1.4	QPSK	1	7	22.77	22.49	22.49						
1.4	QPSK	1	1	22.83	22.52	22.31			24	0		
1.4	QPSK	3	3	22.71	22.68	22.36						
1.4	QPSK	3	13	22.79	22.49	22.49						
1.4	16QAM	1	0	22.78	22.80	22.31						
1.4	16QAM	1	3	22.82	22.72	22.55			24	0		
1.4	16QAM	1	5	22.60	22.48	22.28						
1.4	16QAM	3	0	22.79	22.80	22.42						
1.4	16QAM	3	1	22.68	22.75	22.31						
1.4	16QAM	3	1	22.74	22.48	22.28			23	1		
1.4	16QAM	6	0	22.69	22.12	21.73						
1.4	16QAM	1	0	21.83	21.97	21.84						
1.4	16QAM	1	3	21.79	21.68	21.24						
1.4	16QAM	1	6	22.16	21.46	21.61			23	1		
1.4	16QAM	3	0	22.14	21.70	21.69						
1.4	16QAM	3	3	22.01	21.63	21.81						
1.4	16QAM	3	6	22.05	21.76	21.77						
1.4	16QAM	1	1	18.71	18.70	18.68			22	2		
1.4	16QAM	3	3	18.67	18.65	18.55						
1.4	16QAM	3	6	18.72	18.72	18.71						
1.4	16QAM	3	9	18.59	18.61	18.54						
1.4	16QAM	1	1	18.72	18.78	18.58			19	5		
1.4	16QAM	3	3	18.75	18.75	18.74						
1.4	16QAM	3	6	18.73	18.73	18.72						
1.4	16QAM	3	9	18.73	18.73	18.72						

Band 66_Ant 1												
WV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1/Freq.	Power Med Ch.1/Freq.	Power High Ch.1/Freq.	Time-use limit (sec)	MRR (dB)				
Channel												
Frequency (MHz)												
				130202	130222	130252						
20	QPSK	1	0	22.17	22.11	22.11	24	0				
20	QPSK	1	40	22.31	22.34	22.35						
20	QPSK	1	80	22.33	22.33	22.33						
20	QPSK	50	24	21.80	21.97	21.69						
20	QPSK	50	48	21.80	21.91	21.62	23	1				
20	QPSK	50	72	21.80	21.91	21.62						
20	HQAM	1	0	22.08	22.08	22.14						
20	HQAM	1	40	22.10	22.10	22.10						
20	HQAM	1	80	22.10	21.88	21.97	22	2				
20	HQAM	50	0	20.98	20.83	20.84						
20	HQAM	50	24	20.91	20.86	20.81						
20	HQAM	100	0	20.96	20.78	20.85						
20	HQAM	1	0	21.98	21.18	21.19	22	2				
20	HQAM	1	40	20.97	20.94	20.95						
20	HQAM	1	80	20.96	20.87	21.05						
20	HQAM	50	24	19.97	19.85	19.83						
20	HQAM	50	48	19.94	19.82	19.87	21	3				
20	HQAM	50	72	19.94	19.86	19.80						
20	HQAM	100	0	19.92	19.79	19.85						
20	HQAM	100	24	19.89	19.85	19.20						
20	SSBQAM	1	0	18.05	18.05	18.05	19	5				
20	SSBQAM	1	40	18.07	18.11	18.15						
20	SSBQAM	1	80	18.07	18.11	18.15						
20	SSBQAM	50	0	18.08	18.11	18.15						
20	SSBQAM	50	24	18.19	18.17	18.22	19	5				
20	SSBQAM	50	48	18.24	18.13	18.26						
20	SSBQAM	50	72	18.24	18.13	18.26						
20	SSBQAM	100	0	18.16	18.20	18.21						
Channel												
Frequency (MHz)												
				132047	132022	132057						
15	QPSK	1	0	22.12	22.14	22.16	24	0				
15	QPSK	1	37	22.11	22.18	22.03						
15	QPSK	1	74	22.10	22.08	22.13						
15	QPSK	36	20	21.70	21.05	21.56						
15	QPSK	36	20	21.60	21.72	21.61	23	1				
15	QPSK	36	39	21.72	21.14	21.08						
15	QPSK	75	0	21.74	21.67	21.50						
15	HQAM	1	0	21.62	21.63	21.62						
15	HQAM	1	37	22.01	21.91	21.88	23	1				
15	HQAM	1	74	21.67	21.73	21.62						
15	HQAM	36	0	20.70	20.68	20.59						
15	HQAM	36	20	20.80	20.87	20.69						
15	HQAM	36	39	20.65	20.63	20.59	22	2				
15	HQAM	75	0	20.66	20.64	20.49						
15	HQAM	1	0	20.82	21.00	20.91						
15	HQAM	1	37	20.80	20.71	20.74						
15	HQAM	1	74	20.80	20.86	20.82	22	2				
15	HQAM	1	0	19.87	19.85	19.80						
15	HQAM	36	20	19.78	19.69	19.59						
15	HQAM	36	39	19.74	19.54	19.72						
15	HQAM	75	0	19.68	19.65	19.61	21	3				
15	SSBQAM	1	0	17.82	17.98	17.77						
15	SSBQAM	1	37	17.82	17.89	17.82						
15	SSBQAM	1	74	18.04	18.00	17.86						
15	SSBQAM	36	0	17.84	17.81	17.91	19	5				
15	SSBQAM	36	20	18.00	17.98	17.91						
15	SSBQAM	36	39	17.94	17.86	17.93						
15	SSBQAM	75	0	17.87	18.03	18.01						
Channel												
Frequency (MHz)												
				130202	130222	130252						
10	QPSK	1	0	22.17	22.11	22.11	24	0				
10	QPSK	1	25	22.04	22.10	22.08						
10	QPSK	1	49	22.03	22.08	22.08						
10	QPSK	25	0	21.74	21.09	21.54						
10	QPSK	25	12	21.72	21.61	21.66	23	1				
10	QPSK	25	24	21.61	21.62	21.61						
10	QPSK	50	0	21.63	21.67	21.48						
10	HQAM	1	0	21.64	21.60	21.61						
10	HQAM	1	24	21.68	21.64	21.61	23	1				
10	HQAM	1	49	21.60	21.60	21.68						
10	HQAM	25	0	20.80	20.60	20.53						
10	HQAM	25	12	20.74	20.69	20.57						
10	HQAM	25	24	20.67	20.64	20.68	22	2				
10	HQAM	50	0	20.67	20.69	20.59						
10	HQAM	1	0	20.79	21.02	20.93						
10	HQAM	1	25	20.73	20.77	20.77						
10	HQAM	1	49	20.69	20.60	20.71	22	2				
10	HQAM	25	0	19.87	19.87	19.87						
10	HQAM	25	12	19.74	19.62	19.56						
10	HQAM	25	24	19.63	19.62	19.61						
10	HQAM	50	0	19.68	19.59	19.57	21	3				
10	SSBQAM	1	0	17.88	17.89	17.77						
10	SSBQAM	1	25	17.90	17.87	17.83						
10	SSBQAM	25	0	17.92	17.88	17.91						
10	SSBQAM	25	12	17.94	17.84	17.92	19	5				
10	SSBQAM	25	24	17.94	18.00	17.95						
10	SSBQAM	50	0	17.91	17.89	18.00						
10	SSBQAM	50	0	17.91	17.89	18.00						
Channel												
Frequency (MHz)												
				131213	131222	131247						
5	QPSK	1	0	22.19	22.14	22.15	24	0				
5	QPSK	1	12	22.14	22.18	22.03						
5	QPSK	1	24	22.08	22.04	22.16						
5	QPSK	12	0	21.70	21.05	21.55						
5	QPSK	12	7	21.70	21.65	21.60	23	1				
5	QPSK	12	13	21.74	21.03	21.61						
5	QPSK	25	0	21.70	21.64	21.53						
5	HQAM	1	0	21.65	21.69	21.67						
5	HQAM	1	12	21.68	21.61	21.63	23	1				
5	HQAM	1	24	21.63	21.79	21.63						
5	HQAM	12	0	20.65	20.61	20.62						
5	HQAM	12	7	20.77	20.72	20.67						
5	HQAM	12	13	20.69	20.62	20.60	22	2				
5	HQAM	25	0	20.76	20.66	20.57						
5	HQAM	1	0	20.77	20.69	20.60						
5	HQAM	1	12	20.70	20.76	20.69						
5	HQAM	1	24	20.72	20.64	20.66	22	2				
5	HQAM	12	0	19.76	19.69	19.56						
5	HQAM	12	7	19.69	19.66	19.53						
5	HQAM	12	13	19.68	19.61	19.62						
5	SSBQAM	1	0	19.62	19.69	19.54	21	3				
5	SSBQAM	1	0	17.81	17.87	17.87						
5	SSBQAM	1	12	17.74	17.81	17.81						
5	SSBQAM	1	24	18.04	18.04	17.95						
5	SSBQAM	12	0	17.78	17.89	17.92	19	5				
5	SSBQAM	12	7	17.87	17.84	17.94						
5	SSBQAM	12	13	18.01	17.99	17.84						
5	SSBQAM	25	0	17.99	18.01	18.04						
Channel												
Frequency (MHz)												
				131979	132022	132067						
3	QPSK	1	0	22.17	22.14	22.14	24	0				
3	QPSK	1	8	22.17	22.08	22.10						
3	QPSK	1	14	22.11	22.18	22.03						
3	QPSK	8	0	21.74	21.04	21.54						
3	QPSK	8	4	21.77	21.60	21.64	23	1				
3	QPSK	8	7	21.85	21.57	21.59						
3	QPSK	16	0	21.67	21.67	21.67						
3	HQAM	1	0	21.62	21.64	21.63						
3	HQAM	1	8	22.02	21.84	21.88	23	1				
3	HQAM	1	16	21.75	21.75	21.75						
3	HQAM	8	0	20.72	20.64	20.57						
3	HQAM	8	4	20.80	20.67	20.59						
3	HQAM	8	8	20.69	20.53	20.59	22	2				
3	HQAM	16	0	20.66	20.50	20.51						
3	HQAM	1	0	20.77	21.02	21.01						
3	HQAM	1	8	20.75	20.56	20.67						
3	HQAM	8	0	19.76	19.56	19.67	21	3				
3	HQAM	8	8	19.87	19.65	19.80						
3	HQAM	8	16	19.85	19.61	19.75						
3	HQAM	16	0	19.73	19.81	19.70						
3	SSBQAM	1	0	17.88	17.88	17.88	19	5				
3	SSBQAM	1	14	17.92	17.96	17.93						
3	SSBQAM	8	0	17.91	17.96	17.91						
3	SSBQAM	8	4	17.96	17.90	17.98						
3	SSBQAM	8	7	18.01	17.97	17.91						
Channel												
Frequency (MHz)												
				131979	132022	132067						
14	QPSK	1	0	22.17	22.14	22.14	24	0				
14	QPSK	1	8	22.18	22.10	22.06						
14	QPSK	1	16	22.10	22.14	22.06						
14	QPSK	8	0	21.76	21.04	21.54						
14	QPSK	8	4	21.76	21.60	21.60	23	1				
14	QPSK	8	7	21.86	21.57	21.59						
14	QPSK	16	0	21.67	21.67	21.67						
14	HQAM	1	0	21.71	21.67	21.67						
14	HQAM	1	8	21.81	21.59	21.69	23	1				
14	HQAM	1	16	21.63	21.63	21.63						
14	HQAM	8	0	21.78	21.61	21.56						
14	HQAM	8	4	20.75	20.57	20.58						
14	HQAM	8	8	20.72	20.69	20.64	22	2				
14	HQAM	16	0	20.69	20.50	20.56						
14	HQAM	1	0	20.72	20.72	20.62						
14	HQAM	1	8	20.69	20.59	20.56						
14	HQAM	8	0	19.76	19.63	19.56	21	3				
14	HQAM	8	8	19.87	19.67	19.73						
14	HQAM	8	16	19.86	19.58	19.67						
14	SSBQAM	1	0	17.86	17.86	17.87						
14	SSBQAM	1	8	18.00	18.04	17.91	19	5				
14	SSBQAM	1	16	17.97	17.98	17.93						
14	SSBQAM	8	0	17.95	17.95	17.98						
14	SSBQAM	8	4	17.96	18.00	17.98						
14	SSBQAM	8	7	18.00	17.96	17.98						



Band 38_Ant 2													
RV [MHz]	Modulation	RS Size	RS Offset	Power Line Ch / Freq.	Power Line Ch / Freq.	Power Line Ch / Freq.	Turnup Int. (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	5	22.88	22.88	22.88							
20	QPSK	1	49	22.88	22.88	22.79	24	0					
20	QPSK	50	5	22.84	22.88	22.74							
20	QPSK	50	24	22.78	22.71	22.71	24	0					
20	QPSK	50	50	22.87	22.71	22.88							
20	16QAM	1	5	22.82	22.82	22.85	24	0					
20	16QAM	1	49	22.78	22.78	22.82							
20	16QAM	1	96	22.74	22.65	22.65							
20	16QAM	50	5	22.81	22.49	22.37							
20	16QAM	50	24	22.54	21.48	21.28	23	1					
20	16QAM	50	50	22.86	22.50	22.38							
20	16QAM	100	5	22.84	22.42	22.36							
20	16QAM	100	5	21.54	21.45	21.35							
20	64QAM	1	49	22.82	22.61	22.58	23	1					
20	64QAM	1	99	22.87	22.44	22.35							
20	64QAM	50	5	21.57	21.48	21.38							
20	64QAM	50	24	21.56	21.41	21.41	22	2					
20	64QAM	50	50	21.58	21.46	21.28							
20	256QAM	1	5	19.17	19.30	19.23							
20	256QAM	1	49	19.34	19.40	19.28	21	3					
20	256QAM	1	96	19.22	19.32	19.18							
20	256QAM	50	5	19.15	19.28	19.17							
20	256QAM	50	24	19.18	19.35	19.25	21	3					
20	256QAM	50	50	19.33	19.24	19.18							
20	256QAM	100	5	19.28	19.38	19.32							
Channel													
Frequency (MHz)													
18	QPSK	1	5	22.74	22.75	22.58							
18	QPSK	1	37	22.75	22.81	22.75	24	0					
18	QPSK	1	74	22.73	22.72	22.83							
18	QPSK	36	5	22.79	22.68	22.51							
18	QPSK	36	20	22.65	22.68	22.68	24	0					
18	QPSK	36	36	22.54	22.62	22.38							
18	QPSK	75	5	22.73	22.68	22.62							
18	16QAM	1	5	22.70	22.52	22.63							
18	16QAM	1	37	22.65	22.65	22.68	23	1					
18	16QAM	1	74	22.71	22.54	22.59							
18	16QAM	36	5	22.55	22.44	22.30							
18	16QAM	36	20	22.44	22.38	22.35	23	1					
18	16QAM	36	36	22.52	22.44	22.21							
18	16QAM	75	5	22.51	22.27	22.26							
18	64QAM	1	37	22.47	22.31	22.34	23	1					
18	64QAM	1	74	22.46	22.30	22.34							
18	64QAM	36	5	21.43	21.38	21.36							
18	64QAM	36	20	21.45	21.27	21.31	22	2					
18	64QAM	75	5	21.44	21.43	21.14							
18	64QAM	75	20	21.38	21.38	21.44	20	3					
18	256QAM	1	5	19.06	19.25	19.14							
18	256QAM	1	37	19.21	19.33	19.24	21	3					
18	256QAM	1	74	19.18	19.28	19.18							
18	256QAM	36	5	19.09	19.15	19.14							
18	256QAM	36	20	19.06	19.22	19.10	21	3					
18	256QAM	75	5	19.20	19.25	19.17							
Channel													
Frequency (MHz)													
10	QPSK	1	5	22.74	22.73	22.59							
10	QPSK	1	25	22.79	22.83	22.79	24	0					
10	QPSK	1	49	22.87	22.85	22.87							
10	QPSK	25	5	22.80	22.74	22.64							
10	QPSK	25	12	22.75	22.58	22.48	24	0					
10	QPSK	25	24	22.68	22.58	22.48							
10	QPSK	50	5	22.71	22.67	22.68							
10	16QAM	1	5	22.81	22.67	22.64							
10	16QAM	1	25	22.75	22.65	22.65	24	0					
10	16QAM	1	49	22.71	22.61	22.62							
10	16QAM	25	5	22.57	22.48	22.30							
10	16QAM	25	12	22.43	22.34	22.32	23	1					
10	16QAM	25	24	22.54	22.40	22.23							
10	16QAM	50	5	22.84	22.50	22.45							
10	16QAM	50	12	22.69	22.42	22.44	22	2					
10	16QAM	50	24	22.85	22.70	22.62	23	1					
10	16QAM	1	49	22.84	22.75	22.62							
10	16QAM	25	5	21.84	21.63	21.45							
10	16QAM	25	12	21.53	21.53	21.45							
10	16QAM	25	24	21.62	21.40	21.39	22	2					
10	16QAM	50	5	21.81	21.48	21.48							
10	16QAM	50	12	21.84	21.51	21.58							
10	64QAM	1	25	21.80	21.77	21.49	22	2					
10	64QAM	1	49	21.71	21.61	21.54							
10	64QAM	25	5	20.73	20.49	20.42							
10	64QAM	25	12	20.60	20.55	20.50							
10	64QAM	25	24	20.84	20.46	20.34	21	3					
10	64QAM	50	5	20.53	20.40	20.44							
10	256QAM	1	5	17.97	18.17	18.00							
10	256QAM	1	25	18.16	18.16	18.24	19	5					
10	256QAM	1	49	18.08	18.09	18.08							
10	256QAM	25	5	18.17	18.29	18.14							
10	256QAM	25	12	18.22	18.22	18.00	19	5					
10	256QAM	25	24	18.12	18.24	18.18							
10	256QAM	50	5	18.21	18.20	18.21							
Channel													
Frequency (MHz)													
5	QPSK	1	5	22.97	22.99	22.86							
5	QPSK	1	12	22.86	22.88	22.85	24	0					
5	QPSK	1	24	22.94	22.87	22.87							
5	QPSK	12	5	22.74	22.48	22.38							
5	QPSK	12	7	22.69	22.57	22.58	24	0					
5	QPSK	12	18	22.57	22.48	22.32							
5	QPSK	25	5	22.84	22.50	22.45							
5	16QAM	1	5	22.77	22.72	22.66							
5	16QAM	1	12	22.65	22.68	22.67	23	1					
5	16QAM	1	24	22.82	22.81	22.63							
5	16QAM	12	5	21.63	21.55	21.37							
5	16QAM	12	7	21.62	21.62	21.42							
5	16QAM	12	13	21.69	21.47	21.48	22	2					
5	16QAM	25	5	21.89	21.44	21.48							
5	16QAM	25	12	21.79	21.59	21.60							
5	64QAM	1	12	21.78	21.68	21.61	22	2					
5	64QAM	1	24	21.67	21.58	21.52							
5	64QAM	12	5	20.72	20.47	20.36							
5	64QAM	12	7	20.65	20.45	20.50	21	3					
5	64QAM	12	13	20.61	20.51	20.45							
5	64QAM	25	5	20.55	20.37	20.40							
5	256QAM	1	5	17.97	18.11	18.02							
5	256QAM	1	12	18.15	18.15	18.21	19	5					
5	256QAM	1	24	18.02	18.07	18.07							
5	256QAM	12	5	18.15	18.20	18.15							
5	256QAM	12	7	18.24	18.28	18.14							
5	256QAM	12	13	18.07	18.21	18.05	19	5					
5	256QAM	25	5	18.20	18.22	18.17							

Band 38_Ant 1									
RV [MHz]	Modulation	RS Size	RS Offset	Power Line Ch / Freq.	Power Line Ch / Freq.	Power Line Ch / Freq.	Turnup Int. (dB)	MFR (dB)	
Channel				37865	38005	38150			
20	QPSK	1	5	22.50	22.60	22.70			
20	QPSK	1	48	22.90	22.92	22.90			
20	QPSK	55	24	22.98	22.98	22.98	24	0	
20	QPSK	55	25	22.99	22.99	22.99			
20	QPSK	80	24	22.71	22.72	22.72	23	1	
20	QPSK	55	24	22.98	22.98	22.98			
20	QPSK	55	25	22.99	22.99	22.99			
20	16QAM	1	5	22.82	22.80	22.87			
20	16QAM	1	48	23.22	23.22	23.22			
20	16QAM	1	50	22.96	22.82	22.68			
20	16QAM	55	5	21.76	21.62	21.48			
20	16QAM	55	24	21.76	21.62	21.48	22	2	
20	16QAM	50	50	21.74	21.55	21.35			
20	16QAM	1	48	21.85	21.81	21.61			
20	16QAM	1	50	21.81	21.68	21.49			
20	16QAM	55	24	20.99	20.95	20.95			
20	16QAM	55	25	20.99	20.95	20.95	21	3	
20	256QAM	1	0	18.12	18.15	18.11			
20	256QAM	1	48	18.25	18.30	18.25	19	5	
20	256QAM	55	0	18.12	18.12	18.11			
20	256QAM	55	0	18.26	18.32	18.26			
20	256QAM	55	0	18.25	18.35	18.20			
20	256QAM	55	0	18.27	18.33	18.20	19	5	
20	256QAM	50	0	18.32	18.33	18.25			
Channel				37865	38005	38175	Turnup Int. (dB)	MFR (dB)	
15	QPSK	1	5	22.56	22.54	22.56			
15	QPSK	1	37	22.87	22.87	22.87	24	0	
15	QPSK	1	37	22.86	22.83	22.77			
15	QPSK	25	25	22.72	22.74	22.74			
15	QPSK	38	20	22.62	22.38	22.40			
15	QPSK	38	20	22.61	22.44	22.40			
15	QPSK	75	25	22.63	22.48	22.42	23	1	
15	16QAM	1	5	22.81	22.65	22.53			
15	16QAM	1	48	23.21	23.21	23.21			
15	16QAM	1	74	22.94	22.73	22.60			
15	16QAM	38	5	21.89	21.55	21.45			
15	16QAM	38	5	21.87	21.45	21.30	22	2	
15	16QAM	36	39	21.73	21.54	21.43			
15	16QAM	75	0	21.85	21.44	21.41			
15	16QAM	75	0	21.84	21.40	21.40			
15	16QAM	1	37	21.79	21.75	21.52	20	2	
15	16QAM	1	74	21.78	21.64	21.48			
15	16QAM	36	36	20.59	20.51	20.46			
15	16QAM	36	20	20.59	20.51	20.45			
15	16QAM	38	38	20.64	20.41	20.38			
15	256QAM	1	0	17.99	18.24	18.24			
15	256QAM	1	37	18.24	18.26	18.22	19	5	
15	256QAM	1	37	18.24	18.26	18.22			
15	256QAM	36	0	18.22	18.22	18.15			
15	256QAM	38	20	18.20	18.22	18.19			
15	256QAM	75	0	18.16	18.30	18.20	19	5	
15	256QAM	75	0	18.16	18.30	18.20			
Channel				37865	38005	38200	Turnup Int. (dB)	MFR (dB)	
10	QPSK	1	5	23.02	22.85	22.93			
10	QPSK	1	26	22.87	22.81	22.87	24	0	
10	QPSK	4	47	22.85	22.87	22.91			
10	QPSK	25	25	22.87	22.87	22.87	24	0	
10	QPSK	25	12	22.87	22.80	22.84			
10	QPSK	25	12	22.87	22.48	22.42	23	1	
10	QPSK	25	12	22.83	22.48	22.40			
10	16QAM	1	5	22.77	22.68	22.54			
10	16QAM	1	48	23.17	23.17	23.17			
10	16QAM	1	48	22.84	22.75	22.62			
10	16QAM	25	5	21.84	21.48	21.33			
10	16QAM	25	5	21.83	21.47	21.40	22	2	
10	16QAM	25	5	21.82	21.40	21.30			
10	16QAM	55	0	21.81	21.48	21.48			
10	16QAM	55	0	21.80	21.48	21.48			
10	16QAM	1	20	21.80	21.77	21.49			
10	16QAM	1	48	21.71	21.61	21.54			
10	16QAM	25	12	20.50	20.50	20.50	21	3	
10	16QAM	25	12	20.50	20.55	20.55			
10	16QAM	25	25	20.64	20.46	20.34			
10	256QAM	1	0	17.97	18.07	18.07			
10	256QAM	1	0	17.97	18.07	18.07			
10	256QAM	1	25	18.18	18.18	18.14	19	5	
10	256QAM	25	0	18.17	18.29	18.24			
10	256QAM	25	0	18.17	18.29	18.14			
10	256QAM	25	12	18.10	18.33	18.25	19	5	
10	256QAM	50	0	18.21	18.20	18.01			
10	256QAM	50	0	18.21	18.20	18.01			
Channel				37775	38005	38225	Turnup Int. (dB)	MFR (dB)	
5	QPSK	1	5	22.97	22.99	22.96			
5	QPSK	1	12	22.86	22.88	22.85	24	0	
5	QPSK	1	24	22.94	22.87	22.87			
5	QPSK	12	12	22.97	22.97	22.97			
5	QPSK	12	7	22.69	22.42	22.44			
5	QPSK	12	7	22.67	22.48	22.37			
5	QPSK	25	24	22.64	22.44	22.40	23	1	
5	16QAM	1	5	22.77	22.72	22.66			
5	16QAM	1	48	23.17	23.17	23.17			
5	16QAM	1	24	22.82	22.81	22.83			
5	16QAM	12	5	21.83	21.55	21.47			
5	16QAM	12	12	21.83	21.55	21.43	22	2	
5	16QAM	12	12	21.83	21.55	21.43			
5	16QAM	25	5	21.89	21.44	21.49			
5	16QAM	25	5	21.89	21.44	21.49			
5	16QAM	1	12	21.79	21.68	21.61	22	2	
5	16QAM	1	24	21.67	21.85	21.58			
5	16QAM	12	7	20.65	20.45	20.38			
5	16QAM	12	7	20.65	20.45	20.50			
5	16QAM	12	13	20.61	20.51	20.40			
5	16QAM	25	13	20.63	20.40	20.37			
5	256QAM	1	0	17.97	18.01	18.00			
5	256QAM	1	12	18.13	18.15	18.23	19	5	
5	256QAM	1	12	18.13	18.15	18.23			
5	256QAM	12	0	18.15	18.20	18.15			
5	256QAM	12	7	18.24	18.28	18.14	19	5	
5	256QAM	25	0	18.21	18.26	18.15			
5	256QAM	25	0	18.20	18.22	18.17			



Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Time-up Int. [sec]	MPE [dB]	
Channel												
Frequency [MHz]				39750	40165	40600	41055	41540				
				2646.5	2686.5	2726.5	2766.5	2806.5	2846.5			
20	QPSK	1	0	23.35	23.34	23.35	23.35	23.35	23.35	24	0	
20	QPSK	1	40	23.20	23.21	23.27	23.18	23.08				
20	QPSK	1	80	23.23	23.17	23.30	23.20	23.05				
20	QPSK	50	0	22.48	22.47	22.51	22.41	22.43				
20	QPSK	50	24	22.41	22.45	22.51	22.38	22.27		23	1	
20	QPSK	50	40	22.48	22.39	22.48	22.43	22.33				
20	QPSK	100	0	22.54	22.44	22.56	22.50	22.40				
20	16QAM	1	0	22.40	22.40	22.51	22.41	22.39		23	1	
20	16QAM	1	40	22.45	22.45	22.50	22.45	22.35				
20	16QAM	1	80	22.43	22.48	22.58	22.42	22.32				
20	16QAM	50	0	21.64	21.71	21.58	21.63	21.42				
20	16QAM	50	24	21.72	21.71	21.81	21.68	21.45				
20	16QAM	50	40	21.67	21.76	21.72	21.70	21.35		22	2	
20	16QAM	100	0	21.68	21.72	21.81	21.68	21.38				
20	16QAM	100	40	21.78	21.79	21.72	21.71	21.59				
20	64QAM	1	40	21.69	21.88	21.79	21.75	21.48		22	2	
20	64QAM	1	80	21.77	21.83	21.80	21.71	21.50				
20	64QAM	50	0	20.87	20.84	20.92	20.84	20.50				
20	64QAM	50	24	20.63	20.68	20.54	20.54	20.52		21	3	
20	64QAM	50	40	20.59	20.64	20.68	20.61	20.48				
20	64QAM	100	0	20.83	20.86	20.53	20.60	20.48				
20	256QAM	1	0	18.26	18.32	18.40	18.34	18.25				
20	256QAM	1	40	18.43	18.33	18.47	18.41	18.32		19	5	
20	256QAM	1	80	18.25	18.30	18.35	18.31	18.30				
20	256QAM	50	0	18.27	18.31	18.33	18.27	18.29				
20	256QAM	50	24	18.40	18.39	18.45	18.39	18.32		19	5	
20	256QAM	50	40	18.38	18.42	18.31	18.31	18.28				
20	256QAM	100	0	18.33	18.37	18.47	18.43	18.32				
Channel				39755	40160	40605	41050	41535		Time-up Int. [sec]	MPE [dB]	
Frequency [MHz]				2647.0	2687.0	2727.0	2767.0	2807.0	2847.0			
15	QPSK	1	0	22.49	22.51	22.59	22.51	22.34		24	0	
15	QPSK	1	37	22.38	22.46	22.44	22.43	22.30		24	0	
15	QPSK	1	74	22.40	22.41	22.45	22.41	22.31				
15	QPSK	36	0	22.40	22.34	22.50	22.27	22.20		23	1	
15	QPSK	36	20	22.39	22.39	22.38	22.31	22.21				
15	QPSK	36	37	22.39	22.39	22.38	22.31	22.21				
15	16QAM	1	0	22.50	22.42	22.53	22.49	22.28				
15	16QAM	1	37	22.27	22.37	22.48	22.27	22.36		23	1	
15	16QAM	1	74	22.30	22.38	22.50	22.38	22.18				
15	16QAM	36	0	21.63	21.63	21.47	21.52	21.27		22	2	
15	16QAM	36	20	21.59	21.70	21.48	21.67	21.59				
15	16QAM	36	39	21.57	21.73	21.68	21.65	21.21				
15	16QAM	75	0	21.57	21.58	21.55	21.59	21.36				
15	64QAM	1	0	21.63	21.77	21.70	21.68	21.43				
15	64QAM	1	37	21.54	21.78	21.66	21.72	21.47		22	2	
15	64QAM	1	74	21.67	21.75	21.69	21.60	21.49				
15	64QAM	36	0	20.85	20.86	20.43	20.53	20.31				
15	64QAM	36	20	20.60	20.55	20.53	20.52	20.49		21	3	
15	64QAM	36	39	20.58	20.49	20.58	20.49	20.35				
15	64QAM	75	0	20.59	20.61	20.48	20.48	20.34				
15	256QAM	1	0	18.14	18.16	18.31	18.19	18.22				
15	256QAM	1	37	18.29	18.19	18.42	18.35	18.18		19	5	
15	256QAM	1	74	18.14	18.13	18.33	18.28	18.21				
15	256QAM	36	0	18.15	18.28	18.25	18.22	18.20				
15	256QAM	36	20	18.28	18.26	18.30	18.27	18.20				
15	256QAM	36	39	18.38	18.33	18.41	18.36	18.28		19	5	
15	256QAM	75	0	18.32	18.14	18.35	18.35	18.20				
15	256QAM	75	0	18.32	18.28	18.37	18.38	18.18				
Channel				39760	40165	40610	41055	41540		Time-up Int. [sec]	MPE [dB]	
Frequency [MHz]				2647.5	2687.5	2727.5	2767.5	2807.5	2847.5			
10	QPSK	1	0	22.42	22.39	22.84	22.45	22.37		24	0	
10	QPSK	1	25	22.49	22.37	22.48	22.40	22.37				
10	QPSK	1	40	22.48	22.47	22.48	22.43	22.37				
10	QPSK	25	0	22.28	22.40	22.38	22.44	22.40		23	1	
10	QPSK	25	12	22.40	22.46	22.50	22.26	22.23				
10	QPSK	25	25	22.43	22.38	22.38	22.37	22.34				
10	QPSK	50	0	22.48	22.43	22.41	22.47	22.38				
10	16QAM	1	0	22.35	22.34	22.38	22.30	22.34		23	1	
10	16QAM	1	40	22.40	22.44	22.48	22.33	22.26				
10	16QAM	25	0	21.54	21.56	21.53	21.62	21.38				
10	16QAM	25	12	21.60	21.70	21.48	21.68	21.29		22	2	
10	16QAM	25	25	21.64	21.63	21.63	21.64	21.32				
10	16QAM	50	0	21.53	21.57	21.59	21.60	21.33				
10	64QAM	1	0	21.68	21.64	21.61	21.69	21.54				
10	64QAM	1	25	21.63	21.63	21.76	21.63	21.45		22	2	
10	64QAM	1	40	21.75	21.77	21.77	21.64	21.48				
10	64QAM	25	0	20.58	20.62	20.44	20.48	20.44				
10	64QAM	25	12	20.62	20.60	20.46	20.56	20.44		21	3	
10	64QAM	25	25	20.57	20.54	20.57	20.60	20.43				
10	64QAM	50	0	20.58	20.58	20.52	20.51	20.42				
10	256QAM	1	0	18.20	18.26	18.29	18.19	18.19				
10	256QAM	1	25	18.28	18.32	18.41	18.36	18.29		19	5	
10	256QAM	1	40	18.22	18.17	18.33	18.17	18.27				
10	256QAM	25	0	18.17	18.18	18.19	18.25	18.28				
10	256QAM	25	12	18.34	18.31	18.40	18.35	18.23				
10	256QAM	25	25	18.32	18.15	18.35	18.20	18.24		19	5	
10	256QAM	50	0	18.20	18.32	18.41	18.30	18.25				
Channel				39875	40165	40600	41055	41540		Time-up Int. [sec]	MPE [dB]	
Frequency [MHz]				2698.5	2738.5	2778.5	2818.5	2858.5				
5	QPSK	1	0	22.47	22.46	22.56	22.51	22.32		24	0	
5	QPSK	1	12	22.36	22.38	22.44	22.41	22.35				
5	QPSK	1	24	22.43	22.41	22.49	22.37	22.21				
5	QPSK	12	0	22.34	22.42	22.37	22.46	22.39		23	1	
5	QPSK	12	7	22.36	22.41	22.44	22.23	22.21				
5	QPSK	12	14	22.43	22.38	22.43	22.27	22.11				
5	QPSK	25	0	22.40	22.37	22.41	22.47	22.38				
5	16QAM	1	0	22.34	22.30	22.46	22.30	22.34		23	1	
5	16QAM	1	12	22.43	22.38	22.38	22.37	22.34				
5	16QAM	1	24	22.41	22.41	22.45	22.35	22.21				
5	16QAM	12	0	21.58	21.68	21.43	21.52	21.38				
5	16QAM	12	7	21.60	21.70	21.48	21.68	21.29		22	2	
5	16QAM	12	14	21.63	21.70	21.87	21.58	21.20				
5	16QAM	25	0	21.60	21.68	21.48	21.59	21.26				
5	64QAM	1	0	21.70	21.63	21.59	21.68	21.52				
5	64QAM	1	12	21.57	21.73	21.77	21.74	21.42		22	2	
5	64QAM	1	24	21.64	21.76	21.72	21.60	21.39				
5	64QAM	12	0	20.48	20.51	20.37	20.42	20.47				
5	64QAM	12	7	20.52	20.51	20.42	20.55	20.50		21	3	
5	64QAM	12	14	20.59	20.54	20.55	20.54	20.32				
5	64QAM	25	0	20.59	20.58	20.42	20.54	20.37				
5	256QAM	1	0	18.11	18.17	18.32	18.29	18.21				
5	256QAM	1	12	18.40	18.24	18.39	18.33	18.21		19	5	
5	256QAM	1	24	18.10	18.00	18.23	18.25	18.15				
5	256QAM	12	0	18.24	18.19	18.23	18.25	18.15				
5	256QAM	12	7	18.33	18.30	18.42	18.25	18.28				
5	256QAM	12	14	18.27	18.18	18.38	18.23	18.23		19	5	
5	256QAM	25	0	18.26	18.26	18.32	18.33	18.25				

Band 42_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up Int. (ms)	MPE (dB)				
Channels												
				42160	42165	42550						
Frequency (MHz)				3460	3600	3660						
20	QPSK	1	0	20.73	20.73	20.68						
20	QPSK	1	49	20.67	20.73	20.67	22	0				
20	QPSK	1	99	20.52	20.52	20.56						
20	QPSK	50	0	19.70	19.78	19.77						
20	QPSK	50	24	19.67	19.72	19.69	21	1				
20	QPSK	50	50	19.68	19.69	19.73						
20	QPSK	100	0	19.66	19.76	19.75						
20	16QAM	1	0	19.75	19.71	19.67	21	1				
20	16QAM	1	49	19.70	19.72	19.67						
20	16QAM	1	99	19.59	19.59	19.61						
20	16QAM	50	0	18.70	18.72	18.73						
20	16QAM	50	24	18.71	18.69	18.71	20	2				
20	16QAM	50	50	18.71	18.70	18.73						
20	16QAM	100	0	18.62	18.77	18.77						
20	16QAM	1	0	18.67	18.63	18.72						
20	16QAM	1	49	18.62	18.54	18.66	20	2				
20	16QAM	1	99	18.51	18.55	18.62						
20	16QAM	50	0	17.70	17.69	17.72						
20	16QAM	50	24	17.71	17.73	17.79	19	3				
20	16QAM	50	50	17.74	17.71	17.79						
20	16QAM	100	0	17.63	17.78	17.74						
20	256QAM	1	0	15.58	15.46	15.51						
20	256QAM	1	49	15.40	15.35	15.46	17	5				
20	256QAM	1	99	15.51	15.38	15.48						
20	256QAM	50	0	15.57	15.48	15.58						
20	256QAM	50	24	15.49	15.69	15.67	17	5				
20	256QAM	50	50	15.54	15.54	15.54						
20	256QAM	100	0	15.45	15.59	15.55						
Channels												
Frequency (MHz)				3421.5	3600	3624.5	Time-up Int. (ms)	MPE (dB)				
15	QPSK	1	0	20.61	20.60	20.69						
15	QPSK	1	37	20.52	20.66	20.53	22	0				
15	QPSK	1	74	20.42	20.45	20.43						
15	QPSK	36	0	19.58	19.61	19.58						
15	QPSK	36	20	19.52	19.68	19.63	21	1				
15	QPSK	36	39	19.67	19.60	19.69						
15	QPSK	75	0	19.52	19.74	19.74						
15	16QAM	1	0	19.71	19.62	19.72	21	1				
15	16QAM	1	37	19.67	19.61	19.67						
15	16QAM	1	74	19.46	19.52	19.49						
15	16QAM	36	0	18.60	18.60	18.66	20	2				
15	16QAM	36	20	18.67	18.63	18.67						
15	16QAM	36	39	18.58	18.63	18.67						
15	16QAM	75	0	18.54	18.73	18.75						
15	16QAM	1	0	18.58	18.58	18.58						
15	16QAM	1	37	18.51	18.43	18.59	20	2				
15	16QAM	1	74	18.42	18.67	18.67						
15	16QAM	36	0	17.57	17.59	17.59						
15	16QAM	36	20	17.66	17.78	17.77	19	3				
15	16QAM	36	39	17.70	17.63	17.68						
15	16QAM	75	0	17.49	17.61	17.66						
15	256QAM	1	0	15.50	15.45	15.41						
15	256QAM	1	37	15.32	15.46	15.36	17	5				
15	256QAM	1	74	15.45	15.43	15.38						
15	256QAM	36	0	15.48	15.46	15.56						
15	256QAM	36	20	15.47	15.67	15.67	17	5				
15	256QAM	36	39	15.47	15.50	15.42						
15	256QAM	75	0	15.42	15.48	15.39						
Channels												
Frequency (MHz)				3421.5	3600	3624.5	Time-up Int. (ms)	MPE (dB)				
10	QPSK	1	0	20.68	20.63	20.59						
10	QPSK	1	25	20.55	20.61	20.54	22	0				
10	QPSK	1	49	20.11	20.38	20.31						
10	QPSK	25	0	19.60	19.61	19.59						
10	QPSK	25	12	19.54	19.75	19.65	21	1				
10	QPSK	25	25	19.59	19.59	19.67						
10	QPSK	50	0	19.62	19.69	19.67						
10	16QAM	1	0	19.67	19.67	19.65	21	1				
10	16QAM	1	25	19.63	19.68	19.67						
10	16QAM	1	49	19.48	19.49	19.52						
10	16QAM	25	0	18.55	18.71	18.64						
10	16QAM	25	12	18.66	18.68	18.73						
10	16QAM	25	25	18.58	18.67	18.69	20	2				
10	16QAM	50	0	18.60	18.69	18.63						
10	16QAM	1	0	18.61	18.52	18.62						
10	16QAM	1	25	18.59	18.45	18.63	20	2				
10	16QAM	1	49	18.26	18.41	18.56						
10	16QAM	25	0	17.55	17.63	17.70						
10	16QAM	25	12	17.70	17.68	17.67	19	3				
10	16QAM	25	25	17.66	17.67	17.66						
10	16QAM	50	0	17.53	17.68	17.71						
10	256QAM	1	0	15.52	15.52	15.49						
10	256QAM	1	25	15.34	15.47	15.46	17	5				
10	256QAM	1	49	15.49	15.45	15.47						
10	256QAM	25	0	15.54	15.50	15.57						
10	256QAM	25	12	15.42	15.69	15.69						
10	256QAM	25	25	15.43	15.53	15.48	17	5				
10	256QAM	50	0	15.44	15.45	15.39						
Channels												
Frequency (MHz)				3421.5	3600	3624.5	Time-up Int. (ms)	MPE (dB)				
5	QPSK	1	0	20.63	20.72	20.59						
5	QPSK	1	12	20.61	20.64	20.63	22	0				
5	QPSK	1	24	20.40	20.43	20.35						
5	QPSK	12	0	19.64	19.71	19.63						
5	QPSK	12	7	19.69	19.67	19.71	21	1				
5	QPSK	12	14	19.57	19.59	19.71						
5	QPSK	25	0	19.55	19.66	19.73						
5	16QAM	1	0	19.62	19.68	19.72	21	1				
5	16QAM	1	12	19.66	19.65	19.62						
5	16QAM	1	24	19.55	19.52	19.53						
5	16QAM	12	0	18.60	18.68	18.66						
5	16QAM	12	7	18.63	18.77	18.72						
5	16QAM	12	14	18.60	18.66	18.69	20	2				
5	16QAM	25	0	18.50	18.68	18.70						
5	16QAM	1	0	18.62	18.57	18.59						
5	16QAM	1	12	18.56	18.51	18.52	20	2				
5	16QAM	1	24	18.49	18.48	18.48						
5	16QAM	12	0	17.68	17.68	17.62						
5	16QAM	12	7	17.75	17.74	17.74	19	3				
5	16QAM	12	14	17.62	17.70	17.61						
5	16QAM	25	0	17.52	17.74	17.61						
5	256QAM	1	0	15.45	15.52	15.43						
5	256QAM	1	12	15.38	15.49	15.37	17	5				
5	256QAM	1	24	15.44	15.57	15.33						
5	256QAM	12	0	15.50	15.55	15.49						
5	256QAM	12	7	15.56	15.56	15.56						
5	256QAM	12	14	15.44	15.52	15.57	17	5				
5	256QAM	25	0	15.37	15.46	15.39						

Band 42_Ant 6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up Int. (dBm)	MPE (dB)				
Channels												
				42160	42550	42650						
Frequency (MHz)				3460	3600	3660						
20	QPSK	1	0	22.52	22.55	22.51						
20	QPSK	1	49	22.43	22.44	22.48	23.2	0				
20	QPSK	1	99	22.51	22.60	22.48						
20	QPSK	50	0	22.44	22.59	22.51						
20	QPSK	50	24	22.18	22.42	22.43						
20	QPSK	50	50	22.41	22.16	22.33						
20	QPSK	100	0	22.44	22.59	22.51						
20	QPSK	1	0	22.51	22.50	22.50						
20	QPSK	1	49	22.22	22.21	22.62	23.2	0				
20	QPSK	1	99	22.51	22.52	22.48						
20	QPSK	50	0	22.51	22.52	22.50						
20	QPSK	50	24	22.32	22.25	22.37	23.2	0				
20	QPSK	50	50	22.44	22.19	22.33						
20	QPSK	100	0	22.46	22.47	22.22						
20	QPSK	1	0	22.50	22.59	22.50						
20	QPSK	1	49	22.45	22.46	22.47	23.2	0				
20	QPSK	1	99	22.56	22.51	22.30						
20	QPSK	50	0	22.37	22.40	22.47						
20	QPSK	50	24	22.43	22.43	22.43						
20	QPSK	50	50	22.32	22.43	22.41	23	0.2				
20	QPSK	100	0	22.20	22.42	22.44						
20	QPSK	100	24	22.45	22.15	22.31						
20	QPSK	1	49	19.50	19.52	19.53	21	2.2				
20	QPSK	1	99	20.01	20.14	20.05						
20	QPSK	1	99	20.17	20.08	20.05						
20	QPSK	50	24	20.04	20.13	20.05						
20	QPSK	50	50	20.08	20.16	20.05	21	2.2				
20	QPSK	100	24	19.51	19.15	19.15						
Channel				42165	42550	42650	Time-up Int. (dBm)	MPE (dB)				
Frequency (MHz)				3470	3610	3670						
15	QPSK	1	0	22.43	22.43	22.43						
15	QPSK	1	37	22.37	22.37	22.38						
15	QPSK	1	74	22.45	22.34	22.37	23.2	0				
15	QPSK	1	111	22.47	22.50	22.43						
15	QPSK	36	20	22.09	22.34	22.33						
15	QPSK	36	39	22.33	22.07	22.27	23.2	0				
15	QPSK	36	76	22.38	22.27	22.33						
15	QPSK	1	0	22.28	22.41	22.43						
15	QPSK	1	37	22.14	22.12	22.54	23.2	0				
15	QPSK	1	74	22.41	22.41	22.41						
15	QPSK	36	0	22.25	22.48	22.38						
15	QPSK	36	26	22.25	22.20	22.34	23.2	0				
15	QPSK	36	76	22.38	22.38	22.38						
15	QPSK	1	0	22.37	22.38	22.17						
15	QPSK	1	37	22.00	22.03	21.96						
15	QPSK	1	74	22.43	22.43	22.43	23.2	0				
15	QPSK	1	111	22.45	22.45	22.45						
15	QPSK	36	0	22.28	22.42	22.13						
15	QPSK	36	26	22.28	22.32	22.41	23	0.2				
15	QPSK	36	39	22.37	22.37	22.37						
15	QPSK	75	0	22.13	22.38	22.38						
15	QPSK	75	39	22.19	22.05	22.19						
15	QPSK	1	37	19.81	19.94	19.85	21	2.2				
15	QPSK	1	74	19.91	20.07	19.98						
15	QPSK	1	111	20.00	20.00	20.00						
15	QPSK	36	20	19.97	20.08	20.00						
15	QPSK	36	39	19.97	20.08	20.00	21	2.2				
15	QPSK	75	0	19.85	19.93	19.85						
Channel				42160	42550	42650	Time-up Int. (dBm)	MPE (dB)				
Frequency (MHz)				3460	3600	3660						
10	QPSK	1	25	22.34	22.34	22.43	23.2	0				
10	QPSK	1	49	22.43	22.34	22.38						
10	QPSK	1	74	22.53	22.53	22.43						
10	QPSK	25	12	22.08	22.32	22.33	23.2	0				
10	QPSK	25	26	22.38	22.11	22.26						
10	QPSK	25	50	22.33	22.33	22.33						
10	QPSK	1	0	22.25	22.41	22.46						
10	QPSK	1	25	22.15	22.14	22.54	23.2	0				
10	QPSK	25	0	22.23	22.43	22.34						
10	QPSK	25	12	22.28	22.15	22.24	23.2	0				
10	QPSK	25	26	22.43	22.42	22.15						
10	QPSK	1	0	22.01	22.03	22.16						
10	QPSK	1	25	22.47	22.47	22.47	23.2	0				
10	QPSK	1	49	22.50	22.42	22.14						
10	QPSK	25	0	22.31	22.32	22.38						
10	QPSK	25	12	22.47	22.44	22.44						
10	QPSK	25	26	22.27	22.38	22.32	23	0.2				
10	QPSK	50	0	22.12	22.38	22.38						
10	QPSK	50	12	22.15	22.04	22.15						
10	QPSK	1	25	19.82	19.92	19.84	21	2.2				
10	QPSK	1	49	19.80	20.08	19.88						
10	QPSK	1	74	19.91	20.08	19.91						
10	QPSK	25	12	19.98	20.06	19.95	21	2.2				
10	QPSK	25	26	19.88	20.00	20.00						
10	QPSK	50	12	19.84	19.94	19.84						
Channel				42165	42550	42650	Time-up Int. (dBm)	MPE (dB)				
Frequency (MHz)				3460	3600	3670						
5	QPSK	1	12	22.33	22.38	22.38	23.2	0				
5	QPSK	1	24	22.46	22.35	22.43						
5	QPSK	1	36	22.50	22.43	22.43						
5	QPSK	12	0	22.08	22.32	22.32	23.2	0				
5	QPSK	12	13	22.31	22.08	22.28						
5	QPSK	12	25	22.38	22.38	22.38						
5	QPSK	1	0	22.21	22.43	22.44						
5	QPSK	1	12	22.13	22.16	22.64	23.2	0				
5	QPSK	12	0	22.26	22.47	22.24						
5	QPSK	12	7	22.22	22.19	22.28	23.2	0				
5	QPSK	12	19	22.38	22.38	22.38						
5	QPSK	25	0	22.41	22.38	22.15						
5	QPSK	1	0	22.03	22.02	21.92						
5	QPSK	12	0	22.37	22.39	22.43	23.2	0				
5	QPSK	1	24	22.47	22.43	22.10						
5	QPSK	12	0	22.29	22.32	22.37						
5	QPSK	12	13	22.31	22.31	22.31						
5	QPSK	12	19	22.25	22.37	22.37	23	0.2				
5	QPSK	25	0	22.13	22.33	22.38						
5	QPSK	25	12	22.15	22.04	22.15						
5	QPSK	1	12	19.85	19.92	19.85	21	2.2				
5	QPSK	1	24	19.93	20.05	19.93						
5	QPSK	12	7	19.94	20.08	19.94						
5	QPSK	12	13	19.97	20.06	19.97	21	2.2				



n2_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	22.74	22.88	22.71		
20	Pi/2 BPSK	1	53	22.87	22.80	22.65	24.0	0.0
20	Pi/2 BPSK	1	104	22.80	22.86	22.72		
20	Pi/2 BPSK	50	0	22.82	22.57	22.61	24.0	0.0
20	Pi/2 BPSK	50	28	22.85	22.59	22.65	24.0	0.0
20	Pi/2 BPSK	50	56	22.86	22.60	22.61	24.0	0.0
20	Pi/2 BPSK	100	0	22.87	22.59	22.61		
20	QPSK	1	1	22.76	22.81	22.75		
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0
20	QPSK	1	104	22.70	22.72	22.74		
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0
20	QPSK	50	28	22.66	22.72	22.65	24.0	0.0
20	QPSK	50	56	22.81	22.86	22.59	24.0	0.0
20	QPSK	100	0	22.87	22.70	22.65		
20	16QAM	1	1	22.74	22.68	22.74	24.0	0.0
20	16QAM	1	1	21.88	21.80	21.85	22.0	2.0
20	256QAM	1	1	20.68	19.96	20.00	21.0	3.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	187.5	1880	1902.5		
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	187.5	1880	1905		
10	QPSK	1	1	22.68	22.58	22.57	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.89	22.80	22.82	24.0	0.0

n2_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	22.51	22.43	22.37		
20	Pi/2 BPSK	1	53	22.46	22.37	22.21	24.0	0.0
20	Pi/2 BPSK	1	104	22.34	22.27	22.13		
20	Pi/2 BPSK	50	0	22.53	22.28	22.10	23.5	0.5
20	Pi/2 BPSK	50	28	22.29	22.23	22.09	24.0	0.0
20	Pi/2 BPSK	50	56	22.33	22.27	22.10	23.5	0.5
20	Pi/2 BPSK	100	0	22.36	22.30	22.13		
20	QPSK	1	1	22.51	22.55	22.37		
20	QPSK	1	53	22.48	22.45	22.21	24.0	0.0
20	QPSK	1	104	22.36	22.31	22.17		
20	QPSK	50	0	22.16	22.08	21.92	23.0	1.0
20	QPSK	50	28	22.31	22.41	22.21	24.0	0.0
20	QPSK	50	56	22.01	21.92	21.76	23.0	1.0
20	QPSK	100	0	22.05	22.07	21.82		
20	16QAM	1	1	22.51	22.42	22.26	23.0	1.0
20	16QAM	1	1	20.09	20.63	20.44	21.5	2.5
20	256QAM	1	1	18.62	18.44	18.30	19.5	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.48	22.30	22.14	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.45	22.32	22.21	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.50	22.32	22.21	24.0	0.0

n2_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	22.14	22.09	22.08		
20	Pi/2 BPSK	1	53	22.06	22.04	22.09	24.0	0.0
20	Pi/2 BPSK	1	104	22.10	22.07	22.04		
20	Pi/2 BPSK	50	0	22.02	22.09	22.08	23.5	0.5
20	Pi/2 BPSK	50	28	22.01	22.08	22.04	24.0	0.0
20	Pi/2 BPSK	50	56	22.01	22.08	22.05	23.5	0.5
20	Pi/2 BPSK	100	0	22.07	22.02	22.09		
20	QPSK	1	1	22.19	22.25	22.22		
20	QPSK	1	53	22.18	22.14	22.22	24.0	0.0
20	QPSK	1	104	22.10	22.15	22.12		
20	QPSK	50	0	22.12	22.18	22.12	23.0	1.0
20	QPSK	50	28	22.16	22.22	22.13	24.0	0.0
20	QPSK	50	56	22.14	22.17	22.13	23.0	1.0
20	QPSK	100	0	22.12	22.19	22.14		
20	16QAM	1	1	22.18	22.16	22.01	23.0	1.0
20	16QAM	1	1	20.81	20.98	20.43	21.5	2.5
20	256QAM	1	1	18.68	18.63	18.40	19.5	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.13	22.16	22.11	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.13	22.18	22.11	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.12	22.12	22.10	24.0	0.0



n5_Ant 0											
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)				844	846.5	848					
20	PLQ BPSK	1	1	22.80	22.82	22.77	24.0	0.0			
20	PLQ BPSK	1	53	22.87	22.84	22.88					
20	PLQ BPSK	1	104	22.96	22.95	22.97					
20	PLQ BPSK	56	0	22.71	22.71	22.83	23.5	0.5			
20	PLQ BPSK	55	28	22.88	22.86	22.88	24.0	0.0			
20	PLQ BPSK	56	56	22.95	22.99	22.94	23.5	0.5			
20	PLQ BPSK	104	0	22.72	22.73	22.87	24.0	0.0			
20	QPSK	1	1	22.90	22.84	22.77					
20	QPSK	1	53	22.72	22.68	22.84					
20	QPSK	1	104	22.98	22.98	22.95	23.0	1.0			
20	QPSK	55	5	22.70	22.74	22.70					
20	QPSK	56	28	22.75	22.75	22.75					
20	QPSK	56	56	22.85	22.98	22.84	23.0	1.0			
20	QPSK	105	0	22.81	22.97	22.84	23.0	1.0			
20	16QAM	1	1	22.51	22.50	22.44					
20	16QAM	1	1	21.42	21.42	21.36	21.5	2.5			
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5			
Channel											
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.70	22.71	22.83	24.0	0.0			
Channel											
Frequency (MHz)				820	836.5	844					
10	QPSK	1	1	22.78	22.67	22.69	24.0	0.0			
Channel											
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.72	22.73	22.87	24.0	0.0			

n5_Ant 1											
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)				834	836.5	838					
20	PLQ BPSK	1	1	22.81	22.98	22.96	24.0	0.0			
20	PLQ BPSK	1	53	22.61	22.49	22.90					
20	PLQ BPSK	1	104	22.90	22.46	22.41					
20	PLQ BPSK	56	0	22.59	22.96	22.54	23.5	0.5			
20	PLQ BPSK	56	28	22.69	22.54	22.90	24.0	0.0			
20	PLQ BPSK	56	56	22.92	22.47	22.41	23.5	0.5			
20	PLQ BPSK	104	0	22.53	22.49	22.49	24.0	0.0			
20	QPSK	1	1	22.65	22.63	22.54					
20	QPSK	1	53	22.95	22.96	22.93					
20	QPSK	1	104	22.98	22.92	22.92	23.0	1.0			
20	QPSK	56	0	22.50	22.63	22.53					
20	QPSK	56	28	22.57	22.60	22.54					
20	QPSK	56	56	22.47	22.44	22.43	23.0	1.0			
20	QPSK	105	0	22.47	22.46	22.43	23.0	1.0			
20	16QAM	1	1	22.50	22.59	22.55					
20	16QAM	1	1	20.68	20.67	20.64	21.5	2.5			
20	256QAM	1	1	18.66	18.67	18.60	19.5	4.5			
Channel											
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	22.66	22.47	22.46	24.0	0.0			
Channel											
Frequency (MHz)				820	836.5	844					
10	QPSK	1	1	22.64	22.40	22.44	24.0	0.0			
Channel											
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	22.61	22.43	22.49	24.0	0.0			

n7_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PLQ BPSK	1	1	23.04	23.13	23.21	24.0	0.0			
40	PLQ BPSK	1	108	23.14	23.21	23.29					
40	PLQ BPSK	1	214	23.09	23.16	23.26					
40	PLQ BPSK	108	0	22.98	23.05	23.14	23.5	0.5			
40	PLQ BPSK	108	54	23.03	23.12	23.18	24.0	0.0			
40	PLQ BPSK	108	108	23.06	23.12	23.19	23.5	0.5			
40	PLQ BPSK	216	0	23.04	23.14	23.25	24.0	0.0			
40	QPSK	1	1	23.17	23.38	23.35					
40	QPSK	1	108	23.16	23.26	23.33					
40	QPSK	1	214	23.14	23.22	23.32	24.0	0.0			
40	QPSK	108	0	23.00	23.08	23.14					
40	QPSK	108	54	23.10	23.33	23.31					
40	QPSK	108	108	23.04	23.26	23.29	24.0	0.0			
40	QPSK	216	0	22.93	23.15	23.09	24.0	0.0			
40	16QAM	1	1	22.85	22.92	23.01					
40	16QAM	1	1	21.88	21.74	21.81	22.0	2.0			
40	256QAM	1	1	19.84	19.90	20.00	21.0	3.0			
Channel											
				56500	56700	57000					
30	QPSK	1	1	23.04	23.15	23.27	24.0	0.0			
Channel											
				56510	56700	57000					
20	QPSK	1	1	23.06	23.17	23.27	24.0	0.0			
Channel											
				56510	56700	57000					
20	QPSK	1	1	23.10	23.11	23.22	24.0	0.0			
Channel											
				56510	56700	57000					
15	QPSK	1	1	23.10	23.18	23.28	24.0	0.0			
Channel											
				56505	56700	57000					
10	QPSK	1	1	22.87	22.75	23.08	24.0	0.0			
Channel											
				56500	56700	57000					
5	QPSK	1	1	22.91	22.99	23.15	24.0	0.0			



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 500000	Power Middle Ch. F.Freq. 167000	Power High Ch. F.Freq. 300000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	23.13	23.23	23.31			
40	PSSBPSK	1	108	23.05	23.17	23.15	24.0	0.0	
40	PSSBPSK	1	214	23.08	23.18	23.16			
40	PSSBPSK	108	0	22.78	22.86	22.87	23.5	0.5	
40	PSSBPSK	108	54	23.05	23.15	23.13	24.0	0.0	
40	PSSBPSK	108	108	22.78	22.90	22.86			
40	PSSBPSK	216	0	22.88	22.81	22.77	23.5	0.5	
40	QPSK	1	1	23.14	23.26	23.22			
40	QPSK	1	108	23.06	23.18	23.16	24.0	0.0	
40	QPSK	1	214	23.07	23.20	23.21			
40	QPSK	108	0	22.39	22.50	22.49	23.0	1.0	
40	QPSK	108	54	23.10	23.20	23.17	24.0	0.0	
40	QPSK	108	108	22.26	22.37	22.36	23.0	1.0	
40	QPSK	216	0	22.35	22.46	22.43			
40	16QAM	1	1	22.13	22.26	22.27	23.0	1.0	
40	16QAM	1	1	20.60	20.70	20.67	21.5	2.5	
40	256QAM	1	1	19.07	19.16	19.13	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
30	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.07	23.11	23.11	24.0	0.0	
25	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.09	23.18	23.05	24.0	0.0	
30	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.03	23.12	23.13	24.0	0.0	
15	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.14	23.10	24.0	0.0	
10	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.01	23.19	23.15	24.0	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	22.38	22.47	22.41			
40	PSSBPSK	1	108	22.44	22.53	22.48	24.0	0.0	
40	PSSBPSK	1	214	22.36	22.46	22.37			
40	PSSBPSK	108	0	22.36	22.48	22.39	23.5	0.5	
40	PSSBPSK	108	54	22.31	22.39	22.35	24.0	0.0	
40	PSSBPSK	108	108	22.29	22.41	22.32	23.5	0.5	
40	PSSBPSK	216	0	22.34	22.43	22.39			
40	QPSK	1	1	22.46	22.55	22.47			
40	QPSK	1	108	22.42	22.51	22.45	24.0	0.0	
40	QPSK	1	214	22.45	22.54	22.37			
40	QPSK	108	0	22.12	22.21	22.17	23.0	1.0	
40	QPSK	108	54	22.33	22.43	22.35	24.0	0.0	
40	QPSK	108	108	22.00	22.11	22.03	23.0	1.0	
40	QPSK	216	0	22.30	22.15	22.05			
40	16QAM	1	1	22.19	22.27	22.23	23.0	1.0	
40	16QAM	1	1	20.48	20.57	20.51	21.5	2.5	
40	256QAM	1	1	18.58	18.69	18.64	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.37	22.41	22.40	24.0	0.0	
30	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.41	22.44	22.34	24.0	0.0	
25	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.34	22.44	22.39	24.0	0.0	
20	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.19	22.43	22.30	24.0	0.0	
15	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.32	22.47	22.40	24.0	0.0	
10	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.37	22.46	22.35	24.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	22.81	22.73	22.57			
40	PSSBPSK	1	108	22.75	22.68	22.51	24.0	0.0	
40	PSSBPSK	1	214	22.78	22.72	22.56			
40	PSSBPSK	108	0	22.69	22.64	22.49	23.5	0.5	
40	PSSBPSK	108	54	22.65	22.58	22.43	24.0	0.0	
40	PSSBPSK	108	108	22.71	22.61	22.43			
40	PSSBPSK	216	0	22.73	22.66	22.47	23.5	0.5	
40	QPSK	1	1	22.77	22.65	22.51			
40	QPSK	1	108	22.76	22.71	22.56	24.0	0.0	
40	QPSK	1	214	22.76	22.68	22.53			
40	QPSK	108	0	22.70	22.70	22.55	23.0	1.0	
40	QPSK	108	54	22.71	22.62	22.55	24.0	0.0	
40	QPSK	108	108	22.73	22.64	22.44	23.0	1.0	
40	QPSK	216	0	22.64	22.70	22.58			
40	16QAM	1	1	22.73	22.68	22.48	23.0	1.0	
40	16QAM	1	1	21.75	21.66	21.50	22.0	2.0	
40	256QAM	1	1	20.34	20.28	20.08	21.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.67	22.48	24.0	0.0	
30	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.71	22.71	22.43	24.0	0.0	
20	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.60	22.60	22.46	24.0	0.0	
15	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.72	22.44	24.0	0.0	
10	QPSK	1	1	20.25	20.00	20.00			
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.70	22.68	22.42	24.0	0.0	

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1740	1745	1750		
Frequency (MHz)								
40	PI4-BPSK	1	1	22.77	22.79	22.81		
40	PI4-BPSK	1	108	22.70	22.72	22.87	24.0	0.0
40	PI4-BPSK	1	214	22.62	22.65	22.80		
40	PI4-BPSK	108	0	22.73	22.73	22.87	23.5	0.5
40	PI4-BPSK	108	54	22.63	22.66	22.47	24.0	0.0
40	PI4-BPSK	108	108	22.65	22.65	22.48		
40	PI4-BPSK	216	0	22.71	22.75	22.87	23.5	0.5
40	QPSK	1	1	22.80	22.82	22.70		
40	QPSK	1	108	22.71	22.74	22.58	24.0	0.0
40	QPSK	1	214	22.58	22.55	22.38		
40	QPSK	108	0	22.43	22.47	22.32	23.0	1.0
40	QPSK	108	54	22.11	22.15	22.01	24.0	0.0
40	QPSK	108	108	22.33	22.33	22.14	23.0	1.0
40	QPSK	216	0	22.35	22.40	22.23		
40	16QAM	1	1	22.41	22.45	22.38	23.0	1.0
40	64QAM	1	1	20.97	21.01	20.83	21.5	2.5
40	256QAM	1	1	19.21	19.24	19.00	19.5	4.5
Channel				17500	17500	17500		
Frequency (MHz)								
30	QPSK	1	1	17.25	17.45	17.65		
30	QPSK	1	1	22.70	22.66	22.49	24.0	0.0
30	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
20	QPSK	1	1	17.20	17.45	17.70		
20	QPSK	1	1	22.71	22.73	22.87	24.0	0.0
20	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
15	QPSK	1	1	22.65	22.71	22.51	24.0	0.0
15	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
10	QPSK	1	1	22.70	22.71	22.69	24.0	0.0
10	QPSK	1	1	17.500	17.500	17.500		
Frequency (MHz)								
5	QPSK	1	1	22.60	22.60	22.58	24.0	0.0

n66_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	352000		
Frequency (MHz)								
40	PI4-BPSK	1	1	22.41	22.45	22.38		
40	PI4-BPSK	1	108	22.47	22.49	22.32	24.0	0.0
40	PI4-BPSK	1	214	22.42	22.43	22.27		
40	PI4-BPSK	108	0	22.07	22.08	21.89	23.5	0.5
40	PI4-BPSK	108	54	22.47	22.50	22.34	24.0	0.0
40	PI4-BPSK	108	108	22.03	22.05	21.87		
40	PI4-BPSK	216	0	22.08	22.10	21.90	23.5	0.5
40	QPSK	1	1	22.40	22.53	22.37		
40	QPSK	1	108	22.43	22.48	22.27	24.0	0.0
40	QPSK	1	214	22.48	22.50	22.30		
40	QPSK	108	0	21.58	21.59	21.41	23.0	1.0
40	QPSK	108	54	22.05	22.07	21.90	24.0	0.0
40	QPSK	108	108	21.43	21.46	21.27	23.0	1.0
40	QPSK	216	0	21.55	21.59	21.38		
40	16QAM	1	1	21.35	21.41	21.21	23.0	1.0
40	64QAM	1	1	19.95	20.01	19.81	21.5	2.5
40	256QAM	1	1	18.34	18.35	18.15	19.5	4.5
Channel				347000	347000	353000		
Frequency (MHz)								
30	QPSK	1	1	22.35	22.38	22.27	24.0	0.0
30	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
20	QPSK	1	1	22.34	22.40	22.31	24.0	1.0
20	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
15	QPSK	1	1	22.39	22.41	22.24	24.0	1.0
15	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
10	QPSK	1	1	22.44	22.48	22.24	24.0	1.0
10	QPSK	1	1	17.600	17.600	17.600		
Frequency (MHz)								
5	QPSK	1	1	22.40	22.47	22.20	24.0	0.0



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				517000	518000	520000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.98	22.96	23.00			
40	PI2 BPSK	1	63	22.87	22.86	22.94	24.0	0.0	
40	PI2 BPSK	1	104	22.74	22.72	22.78			
40	PI2 BPSK	50	5	22.92	22.91	22.87	23.5	0.5	
40	PI2 BPSK	50	26	22.90	22.89	22.93	24.0	0.0	
40	PI2 BPSK	50	56	22.76	22.76	22.81	23.5	0.5	
40	PI2 BPSK	100	5	22.81	22.81	22.87			
40	QPSK	1	1	22.99	23.00	23.00			
40	QPSK	1	63	22.86	22.82	22.88	24.0	0.0	
40	QPSK	1	104	22.71	22.72	22.75			
40	QPSK	50	5	22.90	22.92	22.91			
40	QPSK	50	26	22.93	22.90	22.94	24.0	0.0	
40	QPSK	50	56	22.79	22.76	22.84			
40	QPSK	100	5	22.83	22.80	22.85	24.0	0.0	
40	16QAM	1	1	22.89	22.98	22.90	24.0	0.0	
40	64QAM	1	1	21.83	21.84	21.91	23.0	1.0	
40	256QAM	1	1	20.12	20.08	20.18	21.0	3.0	
Channel				517000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.91	22.85	22.88	24.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.90	22.85	22.87	24.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.93	22.89	22.95	24.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.88	22.91	22.91	24.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)									
40	PI2 BPSK	1	1	23.03	23.16	23.15			
40	PI2 BPSK	1	53	23.05	23.14	23.09	24.0	0.0	
40	PI2 BPSK	1	104	22.90	22.89	22.88			
40	PI2 BPSK	50	5	23.73	23.81	23.80	23.5	0.5	
40	PI2 BPSK	50	26	22.80	22.80	22.86	24.0	0.0	
40	PI2 BPSK	50	56	22.64	22.72	22.70	23.5	0.5	
40	PI2 BPSK	100	5	23.07	22.80	23.63			
40	QPSK	1	1	23.06	23.17	23.15			
40	QPSK	1	63	23.08	23.14	23.11	24.0	0.0	
40	QPSK	1	104	22.92	23.03	23.07			
40	QPSK	50	5	22.32	22.44	22.43			
40	QPSK	50	26	22.28	22.15	22.48	24.0	0.0	
40	QPSK	50	56	22.25	22.33	22.27			
40	QPSK	100	5	22.29	22.42	22.39	23.0	1.0	
40	16QAM	1	1	22.27	22.36	22.32	20.0	1.0	
40	64QAM	1	1	20.67	20.70	20.73	21.5	2.5	
40	256QAM	1	1	18.11	18.24	18.22	19.5	4.5	
Channel				519000	519000	520000	Tune-up test	MPR	
Frequency (MHz)									
30	QPSK	1	1	23.01	23.10	23.04	24.0	0.0	
Channel				519000	519000	520000	Tune-up test	MPR	
Frequency (MHz)									
20	QPSK	1	1	22.91	23.00	23.08	24.0	0.0	
Channel				519000	519000	520000	Tune-up test	MPR	
Frequency (MHz)									
15	QPSK	1	1	23.00	23.06	22.99	24.0	0.0	
Channel				519000	519000	520000	Tune-up test	MPR	
Frequency (MHz)									
10	QPSK	1	1	23.00	23.12	23.05	24.0	0.0	



n38_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mod. Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				518000	519000	520000		
Frequency (MHz)				22.00	22.04	22.08		
40	PIQ BPSK	1	1	22.22	22.29	22.30		
40	PIQ BPSK	1	53	22.12	22.20	22.23	24.0	0.0
40	PIQ BPSK	1	104	22.18	22.03	22.02		
40	PIQ BPSK	50	5	22.19	22.24	22.25	23.5	0.5
40	PIQ BPSK	50	28	22.15	22.04	22.06	24.0	0.0
40	PIQ BPSK	50	58	21.97	22.05	22.08	23.5	0.5
40	PIQ BPSK	100	5	22.00	22.10	22.14		
40	QPSK	1	1	22.23	22.31	22.30		
40	QPSK	1	53	22.06	22.19	22.17	24.0	0.0
40	QPSK	1	104	22.14	22.22	22.21		
40	QPSK	50	5	22.09	22.04	22.04		
40	QPSK	50	28	22.20	22.30	22.25	24.0	0.0
40	QPSK	100	5	21.83	21.75	21.72	23.0	1.0
40	16QAM	1	1	21.70	21.78	21.82	23.0	1.0
40	16QAM	1	1	20.14	20.21	20.22	21.5	2.5
40	256QAM	1	1	18.22	18.28	18.28	19.5	4.5
Channel				521000	522000	523000	Tune-up test (dBm)	MPR
Frequency (MHz)				22.05	22.05	22.05		
30	QPSK	1	1	22.14	22.21	22.15	24.0	0.0
Channel				524000	525000	526000	Tune-up test (dBm)	MPR
Frequency (MHz)				22.00	22.05	22.10		
20	QPSK	1	1	22.11	22.24	22.25	24.0	0.0
Channel				527000	528000	529000	Tune-up test (dBm)	MPR
Frequency (MHz)				22.05	22.05	22.05		
15	QPSK	1	1	22.16	22.18	22.25	24.0	0.0
Channel				530000	531000	532000	Tune-up test (dBm)	MPR
Frequency (MHz)				22.15	22.15	22.15		
10	QPSK	1	1	22.16	22.17	22.25	24.0	0.0

FCC_n41_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mod. Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				565200	566000	566000		
Frequency (MHz)				22.94	22.92	22.90		
100	PIQ BPSK	1	1	22.96	22.92	22.90		
100	PIQ BPSK	1	137	22.92	22.88	22.88	24.0	0.0
100	PIQ BPSK	1	271	22.83	22.85	22.88		
100	PIQ BPSK	135	5	22.98	22.91	22.89	23.5	0.5
100	PIQ BPSK	135	69	22.92	22.87	22.88	24.0	0.0
100	PIQ BPSK	135	138	22.83	22.85	22.83	23.5	0.5
100	PIQ BPSK	270	5	22.90	22.85	22.84		
100	QPSK	1	1	22.13	22.14	22.05		
100	QPSK	1	137	22.12	22.08	22.04	24.0	0.0
100	QPSK	1	271	22.10	22.07	22.08		
100	QPSK	135	5	22.98	22.89	22.87		
100	QPSK	135	69	22.92	22.87	22.88	24.0	0.0
100	QPSK	135	138	22.96	22.92	22.88		
100	QPSK	270	5	22.83	22.85	22.80	24.0	0.0
100	8QAM	1	1	22.09	22.04	22.02	20.0	0.0
100	8QAM	1	1	22.00	21.93	21.93	22.0	1.0
100	256QAM	1	1	20.21	20.15	20.15	21.0	3.0
Channel				568000	568900	569200	Tune-up test (dBm)	MPR
Frequency (MHz)				22.91	22.92	22.94		
90	QPSK	1	1	23.06	23.03	22.94	24.0	0.0
Channel				570000	571000	569900	Tune-up test (dBm)	MPR
Frequency (MHz)				23.00	23.00	23.00		
80	QPSK	1	1	23.06	22.99	22.95	24.0	0.0
Channel				573000	574000	574000	Tune-up test (dBm)	MPR
Frequency (MHz)				23.01	23.00	23.00		
70	QPSK	1	1	23.00	23.03	22.91	24.0	0.0
Channel				576000	577000	576900	Tune-up test (dBm)	MPR
Frequency (MHz)				23.00	23.00	23.00		
60	QPSK	1	1	23.00	22.95	22.92	24.0	0.0
Channel				579000	580000	579200	Tune-up test (dBm)	MPR
Frequency (MHz)				23.01	23.00	23.00		
50	QPSK	1	1	23.09	22.97	22.94	24.0	0.0
Channel				582000	583000	583000	Tune-up test (dBm)	MPR
Frequency (MHz)				23.01	23.00	23.00		
40	QPSK	1	1	22.99	22.95	22.98	24.0	0.0
Channel				585000	586000	585900	Tune-up test (dBm)	MPR
Frequency (MHz)				23.01	23.00	23.00		
30	QPSK	1	1	23.03	22.97	22.92	24.0	0.0
Channel				588000	589000	588900	Tune-up test (dBm)	MPR
Frequency (MHz)				23.00	23.00	23.00		
20	QPSK	1	1	23.03	22.95	22.90	24.0	0.0



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				546502	518598	528000			
Frequency (MHz)				2446.81	2542.97	2640			
100	PQ2 BPSK	1	1	23.10	23.00	22.96			
100	PQ2 BPSK	1	137	23.04	22.92	22.91	24.0	0.0	
100	PQ2 BPSK	1	271	22.99	22.88	22.86			
100	PQ2 BPSK	135	5	22.92	22.84	22.81	23.5	0.5	
100	PQ2 BPSK	135	69	22.87	22.86	22.80	24.0	0.5	
100	PQ2 BPSK	135	135	22.79	22.63	22.61	23.5	0.5	
100	PQ2 BPSK	270	5	22.82	22.73	22.72			
100	QPSK	1	1	23.10	23.10	23.10			
100	QPSK	1	137	23.18	23.06	23.01	24.0	0.0	
100	QPSK	1	271	23.00	23.01	22.99			
100	QPSK	135	5	22.44	22.34	22.31			
100	QPSK	135	69	22.92	22.22	22.21	24.0	0.0	
100	QPSK	135	135	22.32	22.20	22.19			
100	QPSK	270	5	22.16	22.20	22.10	23.0	1.0	
100	8QAM	1	1	22.48	22.36	22.34	23.0	1.0	
100	8QAM	1	1	21.08	20.96	20.94	21.5	2.5	
100	256QAM	1	1	18.89	18.76	18.74	10.5	4.5	
Channel				2441	2592.99	2684.98			
Frequency (MHz)				2541	2592.99	2684.98			
90	QPSK	1	1	23.16	23.13	23.08	24.0	0.0	
Channel				2532.01	2592.99	2674.98			
Frequency (MHz)				2536.02	2592.99	2684.98			
80	QPSK	1	1	23.19	23.05	23.05	24.0	0.0	
Channel				2531.01	2592.99	2675			
Frequency (MHz)				2531.01	2592.99	2675			
70	QPSK	1	1	23.19	23.10	23.09	24.0	0.0	
Channel				2529.01	2592.99	2668.98			
Frequency (MHz)				2529.01	2592.99	2668.98			
60	QPSK	1	1	23.21	23.14	23.08	24.0	0.0	
Channel				2521.02	2592.99	2664.99			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.19	23.14	23.07	24.0	0.0	
Channel				2516.01	2592.99	2670			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.23	23.11	23.06	24.0	0.0	
Channel				2520.01	2592.99	2670.98			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.25	23.08	23.02	24.0	0.0	
Channel				2520.01	2592.99	2670.98			
Frequency (MHz)				2506.02	2592.99	2678.99			
20	QPSK	1	1	23.19	23.15	23.08	24.0	0.0	

Par27Q n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332	633332	633332			
Frequency (MHz)				3499.98	3499.98	3499.98			
100	PQ2 BPSK	1	1	23.12					
100	PQ2 BPSK	1	137	23.18			24.0	0.0	
100	PQ2 BPSK	1	271	23.15					
100	PQ2 BPSK	135	5	23.05			23.5	0.5	
100	PQ2 BPSK	135	69	23.10			24.0	0.0	
100	PQ2 BPSK	135	135	23.17			23.5	0.5	
100	PQ2 BPSK	270	5	23.12					
100	QPSK	1	1	23.19					
100	QPSK	1	137	23.18			24.0	0.0	
100	QPSK	1	271	23.16					
100	QPSK	135	5	23.02					
100	QPSK	135	69	23.15			24.0	0.0	
100	QPSK	135	135	23.12					
100	QPSK	270	5	23.02			24.0	0.0	
100	8QAM	1	1	20.25			24.0	0.0	
100	8QAM	1	1	21.84			23.0	1.0	
100	256QAM	1	1	20.24			21.0	3.0	
Channel				633000	633332	633664			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	23.10	23.08	23.04	24.0	0.0	
Channel				632488	633332	634176			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	22.98	23.01	22.90	24.0	0.0	
Channel				632394	633332	634176			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	23.04	23.01	22.94	24.0	0.0	
Channel				632000	633332	634176			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	23.05	22.93	22.91	24.0	0.0	
Channel				631906	633332	634176			
Frequency (MHz)				3475.02	3499.98	3520			
50	QPSK	1	1	22.98	23.00	22.93	24.0	0.0	
Channel				631814	633332	634176			
Frequency (MHz)				3470.01	3499.98	3520.98			
40	QPSK	1	1	23.04	22.93	22.97	24.0	0.0	
Channel				631700	633332	634176			
Frequency (MHz)				3465	3499.98	3524.98			
30	QPSK	1	1	23.04	22.97	22.97	24.0	0.0	
Channel				631608	633332	634176			
Frequency (MHz)				3460.02	3499.98	3524			
20	QPSK	1	1	23.01	23.03	22.99	24.0	0.0	
Channel				631500	633332	634176			
Frequency (MHz)				3457.5	3499.98	3524.40			
15	QPSK	1	1	22.97	22.99	22.97	24.0	0.0	
Channel				631334	633332	634176			
Frequency (MHz)				3455.01	3499.98	3524.40			
10	QPSK	1	1	22.96	23.02	22.95	24.0	0.0	

Par27Q n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.98				
100	PQ2 BPSK	1	1	19.90					
100	PQ2 BPSK	1	137	19.94			21.0	0.0	
100	PQ2 BPSK	1	271	19.91					
100	PQ2 BPSK	135	5	19.93			21.0	0.0	
100	PQ2 BPSK	135	69	19.88			21.0	0.0	
100	PQ2 BPSK	135	135	19.96			21.0	0.0	
100	PQ2 BPSK	270	5	19.85					
100	QPSK	1	1	20.00					
100	QPSK	1	137	19.97			21.0	0.0	
100	QPSK	1	271	19.85					
100	QPSK	135	5	19.81					
100	QPSK	135	69	19.97			21.0	0.0	
100	QPSK	135	135	19.79					
100	QPSK	270	5	19.73			21.0	0.0	
100	8QAM	1	1	19.75			21.0	0.0	
100	8QAM	1	1	18.46			19.0	2.0	
100	256QAM	1	1	17.21			17.5	3.5	
Channel				633000	633332	633664			
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1	19.96	19.91	19.92	21.0	0.0	
Channel				632598	633332	634000			
Frequency (MHz)				3490.02	3499.98	3509.98			
80	QPSK	1	1	19.92	19.83	19.92	21.0	0.0	
Channel				632504	633332	634000			
Frequency (MHz)				3485.01	3499.98	3509.98			
70	QPSK	1	1	19.93	19.89	19.93	21.0	0.0	
Channel				632410	633332	634000			
Frequency (MHz)				3480.01	3499.98	3509.98			
60	QPSK	1	1	19.95	19.90	19.92	21.0	0.0	
Channel				631868	633332	633000			
Frequency (MHz)				3475.01	3499.98	3504.98			
50	QPSK	1	1	19.85	19.85	19.96	21.0	0.0	
Channel				631334	633332	633332			
Frequency (MHz)				3469.98	3499.98	3504.98			
40	QPSK	1	1	19.88	19.90	19.93	21.0	0.0	
Channel				631000	633332	633664			
Frequency (MHz)				3466.66	3499.98	3506.66			
30	QPSK	1	1	19.85	19.85	19.87	21.0	0.0	
Channel				630668	633332	633000			
Frequency (MHz)				3463.33	3499.98	3503.33			
20	QPSK	1	1	19.90	19.91	19.92	21.0	0.0	
Channel				630500	633332	633166			
Frequency (MHz)				3461.66	3499.98	3504.98			
15	QPSK	1	1	19.94	19.92	19.92	21.0	0.0	
Channel				630334	633332	633332			
Frequency (MHz)				3460.01	3499.98	3504.98			
10	QPSK	1	1	19.94	19.88	19.88	21.0	0.0	



Par27Q n78_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332		3499.98		
100	P12 BPSK	1	1	20.19				
100	P12 BPSK	1	137	20.20			21.0	0.0
100	P12 BPSK	1	271	20.18				
100	P12 BPSK	135	0	20.15			21.0	0.0
100	P12 BPSK	135	69	20.20			21.0	0.0
100	P12 BPSK	135	135	20.19			21.0	0.0
100	P12 BPSK	270	0	20.18				
100	QPSK	1	1	20.25				
100	QPSK	1	137	20.19			21.0	0.0
100	QPSK	1	271	20.13				
100	QPSK	135	0	20.13				
100	QPSK	135	69	20.22			21.0	0.0
100	QPSK	135	135	20.13				
100	QPSK	270	0	20.19			21.0	0.0
100	16QAM	1	1	20.16			21.0	0.0
100	64QAM	1	1	20.22			21.0	0.0
100	256QAM	1	1	20.15			21.0	0.0
Channel								
Frequency (MHz)				3495		3499.98		
90	QPSK	1	1	20.11	20.23	20.16	21.0	0.0
Channel								
Frequency (MHz)				3490.02		3499.98		
80	QPSK	1	1	20.17	20.21	20.19	21.0	0.0
Channel								
Frequency (MHz)				3485.01		3499.98		
70	QPSK	1	1	20.19	20.17	20.17	21.0	0.0
Channel								
Frequency (MHz)				3480		3499.98		
60	QPSK	1	1	20.20	20.17	20.15	21.0	0.0
Channel								
Frequency (MHz)				3475.02		3499.98		
50	QPSK	1	1	20.11	20.21	20.19	21.0	0.0
Channel								
Frequency (MHz)				3470.01		3499.98		
40	QPSK	1	1	20.23	20.18	20.16	21.0	0.0
Channel								
Frequency (MHz)				3465		3499.98		
30	QPSK	1	1	20.23	20.20	20.18	21.0	0.0
Channel								
Frequency (MHz)				3460.02		3499.98		
20	QPSK	1	1	20.21	20.12	20.19	21.0	0.0
Channel								
Frequency (MHz)				3455.02		3499.98		
15	QPSK	1	1	20.15	20.22	20.23	21.0	0.0
Channel								
Frequency (MHz)				3450.01		3499.98		
10	QPSK	1	1	20.16	20.18	20.11	21.0	0.0

Par27Q n78_Ant 9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. / Freq.	Power Mode Co. / Freq.	Power High Co. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3498.98		63332		
100	P12 BPSK	1	1	20.19				
100	P12 BPSK	1	137	20.85			22.0	0.0
100	P12 BPSK	1	271	20.87				
100	P12 BPSK	135	0	20.91			22.0	0.0
100	P12 BPSK	135	69	20.85			22.0	0.0
100	P12 BPSK	135	135	20.87			22.0	0.0
100	P12 BPSK	270	0	20.91				
100	QPSK	1	1	21.00				
100	QPSK	1	137	20.94			22.0	0.0
100	QPSK	1	271	20.89				
100	QPSK	135	0	20.83				
100	QPSK	135	69	20.95			22.0	0.0
100	QPSK	135	135	20.90				
100	QPSK	270	0	20.78			22.0	0.0
100	16QAM	1	1	20.95			22.0	0.0
100	64QAM	1	1	19.27			20.5	1.5
100	256QAM	1	1	17.77			18.5	3.5
Channel								
Frequency (MHz)				3495		3499.98		
90	QPSK	1	1	20.93	20.39	20.99	22.0	0.0
Channel								
Frequency (MHz)				3490.02		3499.98		
80	QPSK	1	1	20.92	20.38	20.94	22.0	0.0
Channel								
Frequency (MHz)				3485.01		3499.98		
70	QPSK	1	1	20.96	20.87	20.95	22.0	0.0
Channel								
Frequency (MHz)				3480		3499.98		
60	QPSK	1	1	20.95	20.93	20.96	22.0	0.0
Channel								
Frequency (MHz)				3475.02		3499.98		
50	QPSK	1	1	20.95	20.90	20.95	22.0	0.0
Channel								
Frequency (MHz)				3470.01		3499.98		
40	QPSK	1	1	20.94	20.88	20.85	22.0	0.0
Channel								
Frequency (MHz)				3465		3499.98		
30	QPSK	1	1	20.89	20.95	20.85	22.0	0.0
Channel								
Frequency (MHz)				3460.02		3499.98		
20	QPSK	1	1	20.89	20.94	20.87	22.0	0.0
Channel								
Frequency (MHz)				3455.02		3499.98		
15	QPSK	1	1	20.86	20.99	20.95	22.0	0.0
Channel								
Frequency (MHz)				3450.01		3499.98		
10	QPSK	1	1	20.87	20.97	20.86	22.0	0.0



Reduced Power Mode for DS16

Band		Burst Average Power (dBm)			Tx Power			Tx Power			Tx Power			Tx Power		
Tx Channel		158	160	161	Limit			158	160	161	Limit			158	160	161
Frequency (MHz)		32.91	32.91	32.91	dBm			32.91	32.91	32.91	dBm			32.91	32.91	32.91
QPSK 1 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 3 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 5 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 7 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 9 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 1 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 2 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 3 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 4 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83

Band		Burst Average Power (dBm)			Tx Power			Tx Power			Tx Power			Tx Power		
Tx Channel		152	160	161	Limit			152	160	161	Limit			152	160	161
Frequency (MHz)		32.91	32.91	32.91	dBm			32.91	32.91	32.91	dBm			32.91	32.91	32.91
QPSK 1 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 3 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 5 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 7 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
QPSK 9 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 1 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 2 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 3 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83
EDGE 4 Tx side	32.91	32.43	32.81	33.59	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83	23.02	23.49	23.83

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1			WCDMA IV_Ant 1			WCDMA IV_Ant 1			WCDMA IV_Ant 1		
Tx Channel		152	160	161	Limit			152	160	161	Limit			152	160	161
Frequency (MHz)		32.91	32.91	32.91	dBm			32.91	32.91	32.91	dBm			32.91	32.91	32.91
SCPP Rel 99	AMR 12.2kbit/s	22.94	22.99	22.99	24.00	19.20	19.24	22.94	22.99	22.99	24.00	19.20	19.24	22.94	22.99	22.99
SCPP Rel 99	RMC 12.2kbit/s	22.94	22.99	22.99	24.00	19.20	19.24	22.94	22.99	22.99	24.00	19.20	19.24	22.94	22.99	22.99
SCPP Rel 6	HSDPA Subnet-1	21.90	22.00	22.11	23.00	18.21	18.26	21.90	22.00	22.11	23.00	18.21	18.26	21.90	22.00	22.11
SCPP Rel 6	HSDPA Subnet-2	21.90	22.00	22.11	23.00	18.21	18.26	21.90	22.00	22.11	23.00	18.21	18.26	21.90	22.00	22.11
SCPP Rel 6	HSDPA Subnet-3	21.44	21.53	21.59	22.50	17.79	18.01	21.44	21.53	21.59	22.50	17.79	18.01	21.44	21.53	21.59
SCPP Rel 6	HSDPA Subnet-4	21.43	21.53	21.64	22.50	17.73	18.00	21.43	21.53	21.64	22.50	17.73	18.00	21.43	21.53	21.64
SCPP Rel 6	DC-HSDPA Subnet-1	21.88	21.98	22.09	23.00	18.28	18.53	21.88	21.98	22.09	23.00	18.28	18.53	21.88	21.98	22.09
SCPP Rel 6	DC-HSDPA Subnet-2	21.88	22.04	22.09	23.00	18.28	18.53	21.88	22.04	22.09	23.00	18.28	18.53	21.88	22.04	22.09
SCPP Rel 6	DC-HSDPA Subnet-3	21.43	21.51	21.67	22.50	17.76	18.03	21.43	21.51	21.67	22.50	17.76	18.03	21.43	21.51	21.67
SCPP Rel 6	DC-HSDPA Subnet-4	21.41	21.51	21.62	22.50	17.74	18.00	21.41	21.51	21.62	22.50	17.74	18.00	21.41	21.51	21.62
SCPP Rel 6	HSPA Subnet-1	21.94	22.01	22.17	23.00	18.24	18.54	21.94	22.01	22.17	23.00	18.24	18.54	21.94	22.01	22.17
SCPP Rel 6	HSPA Subnet-2	21.90	22.00	22.16	23.00	18.27	18.55	21.90	22.00	22.16	23.00	18.27	18.55	21.90	22.00	22.16
SCPP Rel 6	HSPA Subnet-3	21.82	21.93	21.16	22.00	17.30	17.58	21.82	21.93	21.16	22.00	17.30	17.58	21.82	21.93	21.16
SCPP Rel 6	HSPA Subnet-4	21.88	22.04	22.09	23.00	18.20	18.51	21.88	22.04	22.09	23.00	18.20	18.51	21.88	22.04	22.09
SCPP Rel 6	HSPA Subnet-5	22.00	22.00	22.00	23.00	18.25	18.53	22.00	22.00	22.00	23.00	18.25	18.53	22.00	22.00	22.00

Band		WCDMA IV_Ant 2			WCDMA IV_Ant 1			WCDMA IV_Ant 1			WCDMA IV_Ant 1			WCDMA IV_Ant 1		
Tx Channel		4152	4162	4233	Limit			4152	4162	4233	Limit			4152	4162	4233
Frequency (MHz)		4152	4162	4163	dBm			4152	4162	4163	dBm			4152	4162	4163
SCPP Rel 99	AMR 12.2kbit/s	22.93	22.94	22.88	24.00	19.28	19.27	22.93	22.94	22.88	24.00	19.28	19.27	22.93	22.94	22.88
SCPP Rel 99	RMC 12.2kbit/s	22.96	22.97	22.89	24.00	19.28	19.27	22.96	22.97	22.89	24.00	19.28	19.27	22.96	22.97	22.89
SCPP Rel 6	HSDPA Subnet-1	21.92	21.94	21.89	23.00	18.27	18.25	21.92	21.94	21.89	23.00	18.27	18.25	21.92	21.94	21.89
SCPP Rel 6	HSDPA Subnet-2	21.92	21.91	21.88	23.00	18.26	18.24	21.92	21.91	21.88	23.00	18.26	18.24	21.92	21.91	21.88
SCPP Rel 6	HSDPA Subnet-3	21.45	21.59	21.58	22.50	17.44	17.49	21.45	21.59	21.58	22.50	17.44	17.49	21.45	21.59	21.58
SCPP Rel 6	HSDPA Subnet-4	21.45	21.59	21.58	22.50	17.44	17.49	21.45	21.59	21.58	22.50	17.44	17.49	21.45	21.59	21.58
SCPP Rel 6	DC-HSDPA Subnet-1	21.92	21.95	21.85	23.00	18.24	18.21	21.92	21.95	21.85	23.00	18.24	18.21	21.92	21.95	21.85
SCPP Rel 6	DC-HSDPA Subnet-2	21.92	21.98	21.85	23.00	18.24	18.21	21.92	21.98	21.85	23.00	18.24	18.21	21.92	21.98	21.85
SCPP Rel 6	DC-HSDPA Subnet-3	21.45	21.58	21.55	22.50	17.41	17.46	21.45	21.58	21.55	22.50	17.41	17.46	21.45	21.58	21.55
SCPP Rel 6	DC-HSDPA Subnet-4	21.45	21.58	21.55	22.50	17.41	17.46	21.45	21.58	21.55	22.50	17.41	17.46	21.45	21.58	21.55
SCPP Rel 6	HSPA Subnet-1	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02
SCPP Rel 6	HSPA Subnet-2	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02
SCPP Rel 6	HSPA Subnet-3	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02
SCPP Rel 6	HSPA Subnet-4	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02
SCPP Rel 6	HSPA Subnet-5	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02	23.00	18.27	18.27	21.96	22.02	22.02

Band		WCDMA IV_Ant 2				WCDMA IV_Ant 1				WCDMA IV_Ant 1			
Tx Channel		1512	1512	1513	Limit	1512	1512	1513	Limit	1512	1512	1513	Limit
Frequency (MHz)		1512	1512	1513	dBm	1512	1512	1513	dBm	1512	1512	1513	dBm
SCPP Rel 99	AMR 12.2kbit/s	22.95	22.98	22.71	24.00	19.77	19.61	22.95	22.98	22.71	24.00	19.77	19.61
SCPP Rel 99	RMC 12.2kbit/s	22.97	22.99	22.76	24.00	19.82	19.65	22.97	22.99	22.76	24.00	19.82	19.65
SCPP Rel 6	HSDPA Subnet-1	21.96	21.72	21.98	23.00	17.89	17.77	21.96	18.00	19.75	23.00	17.89	19.75
SCPP Rel 6	HSDPA Subnet-2	21.96	21.76	21.94	23.00	18.02	17.79	21.96	18.00	19.75	23.00	18.02	19.75
SCPP Rel 6	HSDPA Subnet-3	21.53	21.20	21.47	22.50	17.33	17.27	21.53	17.50	19.75	22.50	17.33	19.75
SCPP Rel 6	HSDPA Subnet-4	21.48	21.20	21.49	22.50	17.45	17.30	21.48	17.50	19.75	22.50	17.45	19.75
SCPP Rel 6	HSDPA Subnet-5	21.48	21.20	21.49	22.50	17.45	17.30	21.48	17.50	19.75	22.50	17.45	19.75
SCPP Rel 6	DCHHSPA Subnet-1	21.58	21.74	21.50	23.00	18.00	18.00	21.58	18.00	19.75	23.00	18.00	19.75
SCPP Rel 6	DCHHSPA Subnet-2	21.58	21.74	21.50	23.00	18.00	18.00	21.58	18.00	19.75	23.00	18.00	19.75
SCPP Rel 6	DCHHSPA Subnet-3	21.58	21.74	21.50	23.00	18.00	18.00	21.58	18.00	19.75	23.00	18.00	19.75
SCPP Rel 6	DCHHSPA Subnet-4	21.48	21.21	21.43	22.50	17.53	17.28	21.48	17.50	19.75	22.50	17.53	19.75
SCPP Rel 6	HSPA Subnet-1	21.67	21.60	21.99	23.00	17.96	17.77	21.96	18.00	19.75	23.00	17.96	19.75
SCPP Rel 6	HSPA Subnet-2	21.67	21.60	21.99	23.00	17.96	17.77	21.96	18.00	19.75	23.00	17.96	19.75
SCPP Rel 6	HSPA Subnet-3	20.99	20.95	21.00	22.50	16.95	16.76	20.99	17.00	18.75	22.50	16.95	18.75
SCPP Rel 6	HSPA Subnet-4	19.65	19.75	19.63	21.00	15.94	15.92	19.65	17.00	18.75	21.00	15.94	18.75
SCPP Rel 6	HSPA Subnet-5	19.65	19.75	19.63	21.00	15.94	15.92	19.65	17.00	18.75	21.00	15.94	18.75



Band 2_Ant 2											
BW (MHz)	Modulation	RS	RS Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)			
Channel											
20	QPSK	1	0	18.70	18.90	19.00					
20	QPSK	1	49	22.87	22.88	22.88	24	0			
20	QPSK	1	99	22.73	22.74	22.85					
20	QPSK	50	0	22.41	22.42	22.43					
20	QPSK	50	24	22.38	22.45	22.50	23	1			
20	QPSK	100	0	22.32	22.40	22.48					
20	16QAM	1	0	22.21	22.12	22.18					
20	16QAM	1	49	22.31	22.07	22.16	23	1			
20	16QAM	50	0	22.04	21.99	22.07					
20	16QAM	50	24	22.07	21.99	22.07	23	1			
20	16QAM	100	0	22.04	22.05	22.10					
20	16QAM	1	0	22.07	22.10	22.17					
20	16QAM	1	49	22.22	22.09	22.11	23	1			
20	16QAM	1	99	21.86	21.99	22.07					
20	256QAM	1	0	18.69	18.69	18.69					
20	256QAM	50	24	21.09	20.98	21.05	22	2			
20	256QAM	50	50	21.00	20.97	21.17					
20	256QAM	1	0	18.69	18.69	18.70					
20	256QAM	1	49	18.72	18.77	18.71	19	5			
20	256QAM	50	0	18.80	18.80	18.85					
20	256QAM	50	24	18.79	18.82	18.80	19	5			
20	256QAM	100	0	18.80	18.81	18.84					
20	256QAM	100	0	18.72	18.80	18.72					
Channel											
15	QPSK	1	0	18.67	18.90	19.00					
15	QPSK	1	0	22.68	22.63	22.70					
15	QPSK	1	37	22.64	22.60	22.68	24	0			
15	QPSK	1	74	22.63	22.52	22.68					
15	QPSK	36	0	22.36	22.30	22.40					
15	QPSK	36	39	22.31	22.31	22.40	23	1			
15	QPSK	1	0	22.30	22.28	22.35					
15	16QAM	1	0	22.20	22.18	22.21					
15	16QAM	1	37	22.27	22.28	22.31	23	1			
15	16QAM	1	74	22.23	22.09	22.17					
15	16QAM	36	0	22.00	21.97	22.08					
15	16QAM	36	20	22.08	21.97	22.13	23	1			
15	16QAM	36	39	22.05	21.99	22.14					
15	16QAM	75	0	22.08	22.03	22.16					
15	16QAM	75	0	22.15	22.14	22.18					
15	16QAM	1	0	22.02	22.14	22.19	23	1			
15	16QAM	1	74	22.19	22.08	22.09					
15	16QAM	36	0	21.04	20.96	21.01					
15	16QAM	36	20	21.06	21.00	21.15	22	2			
15	16QAM	36	39	21.03	21.06	21.11					
15	16QAM	75	0	21.08	21.10	21.15					
15	256QAM	1	0	18.54	18.57	18.59					
15	256QAM	1	37	18.59	18.73	18.59	19	5			
15	256QAM	1	74	18.81	18.87	18.75					
15	256QAM	36	0	18.77	18.80	18.80					
15	256QAM	36	20	18.76	18.81	18.78	19	5			
15	256QAM	36	39	18.77	18.78	18.79					
15	256QAM	75	0	18.81	18.74	18.82					
Channel											
10	QPSK	1	0	18.61	18.90	19.00					
10	QPSK	1	26	22.86	22.88	22.83	24	0			
10	QPSK	1	49	22.73	22.73	22.73					
10	QPSK	26	0	22.30	22.28	22.47					
10	QPSK	26	12	22.53	22.48	22.47	23	1			
10	QPSK	50	0	22.48	22.43	22.52					
10	QPSK	50	0	22.51	22.44	22.46					
10	16QAM	1	0	22.39	22.41	22.48					
10	16QAM	1	26	22.48	22.31	22.46	23	1			
10	16QAM	1	49	22.34	22.14	22.49					
10	16QAM	26	0	22.27	22.12	22.18					
10	16QAM	26	12	22.27	22.17	22.23	23	1			
10	16QAM	26	25	22.21	22.10	22.25					
10	16QAM	50	0	22.26	22.18	22.23					
10	16QAM	50	0	22.31	22.28	22.40					
10	16QAM	1	26	22.26	22.29	22.51	23	1			
10	16QAM	1	49	22.27	22.21	22.25					
10	16QAM	26	0	21.25	21.15	21.28					
10	16QAM	26	12	21.26	21.20	21.24	22	2			
10	16QAM	26	25	21.22	21.13	21.25					
10	16QAM	50	0	21.24	21.19	21.29					
10	256QAM	1	0	18.57	18.74	18.69					
10	256QAM	1	26	18.58	18.86	18.65	19	5			
10	256QAM	1	49	18.78	18.75	18.76					
10	256QAM	26	0	18.73	18.80	18.73					
10	256QAM	26	12	18.65	18.81	18.70	19	5			
10	256QAM	50	0	18.67	18.75	18.80					
Channel											
5	QPSK	1	0	18.53	18.80	19.00					
5	QPSK	1	12	22.94	22.85	22.88	24	0			
5	QPSK	1	24	22.79	22.79	22.79					
5	QPSK	12	0	22.47	22.32	22.40					
5	QPSK	12	7	22.49	22.42	22.46	23	1			
5	QPSK	26	0	22.47	22.43	22.49					
5	QPSK	26	0	22.48	22.40	22.42					
5	16QAM	1	0	22.44	22.33	22.48					
5	16QAM	1	0	22.34	22.43	22.40	23	1			
5	16QAM	1	24	22.38	22.29	22.44					
5	16QAM	12	0	22.23	22.07	22.18					
5	16QAM	12	7	22.22	22.17	22.22					
5	16QAM	12	13	22.21	22.10	22.25					
5	16QAM	26	0	22.19	22.16	22.20					
5	16QAM	26	0	22.34	22.18	22.38					
5	16QAM	1	12	22.35	22.32	22.45	23	1			
5	16QAM	1	24	22.21	22.10	22.43					
5	16QAM	12	13	21.17	21.08	21.17	22	2			
5	16QAM	12	7	21.21	21.17	21.19					
5	16QAM	12	13	21.19	21.14	21.19					
5	256QAM	1	0	18.61	18.72	18.64					
5	256QAM	1	12	18.59	18.87	18.67	19	5			
5	256QAM	1	24	18.87	18.76	18.74					
5	256QAM	12	0	18.73	18.80	18.70					
5	256QAM	12	7	18.70	18.82	18.72	19	5			
5	256QAM	12	13	18.76	18.80	18.70					
5	256QAM	26	0	18.60	18.69	18.69					
Channel											
3	QPSK	1	0	18.51	18.80	19.00					
3	QPSK	1	8	22.79	22.79	22.79					
3	QPSK	1	8	22.84	22.83	22.80	24	0			
3	QPSK	1	8	22.87	22.77	22.88					
3	QPSK	3	0	22.46	22.46	22.46					
3	QPSK	3	4	22.48	22.44	22.47	23	1			
3	QPSK	3	4	22.47	22.41	22.49					
3	QPSK	1	0	22.47	22.42	22.39					
3	16QAM	1	8	22.63	22.44	22.58					
3	16QAM	1	14	22.61	22.34	22.43	23	1			
3	16QAM	1	8	22.28	22.22	22.27					
3	16QAM	1	8	22.32	22.35	22.38					
3	16QAM	3	0	22.30	22.20	22.37	23	1			
3	16QAM	3	0	22.21	22.14	22.14					
3	16QAM	1	14	22.29	22.28	22.28					
3	16QAM	1	8	21.26	21.20	21.21	23	1			
3	16QAM	1	8	21.21	21.20	21.27					
3	16QAM	15	0	21.22	21.15	21.23					
3	256QAM	1	8	18.72	18.73	18.73					
3	256QAM	1	14	18.79	18.82	18.73	19	5			
3	256QAM	3	0	18.63	18.78	18.78					
3	256QAM	3	4	18.66	18.87	18.69	19	5			
3	256QAM	3	4	18.70	18.77	18.76					
3	256QAM	15	0	18.75	18.75	18.75					
Channel											
1.4	QPSK	1	0	18.67	18.90	19.00					
1.4	QPSK	1	1	22.79	22.79	22.79					
1.4	QPSK	1	8	22.84	22.83	22.80	24	0			
1.4	QPSK	3	0	22.46	22.46	22.46					
1.4	QPSK	3	4	22.48	22.44	22.47	23	1			
1.4	QPSK	3	4	22.47	22.41	22.49					
1.4	QPSK	1	0	22.47	22.42	22.39					
1.4	16QAM	1	8	22.63	22.44	22.58					
1.4	16QAM	1	14	22.61	22.34	22.43	23	1			
1.4	16QAM	1	8	22.28	22.22	22.27					
1.4	16QAM	1	8	22.32	22.35	22.38					
1.4	16QAM	3	0	22.30	22.20	22.37	23	1			
1.4	16QAM	3	0	22.21	22.14	22.14					
1.4	16QAM	1	14	22.29	22.28	22.28					
1.4	16QAM	1	8	21.26	21.20	21.21	23	1			
1.4	16QAM	1	8	21.21	21.20	21.27					
1.4	16QAM	15	0	21.22	21.15	21.23					
1.4	256QAM	1	8	18.72	18.73	18.73					
1.4	256QAM	1	14	18.79	18.82	18.73	19	5			
1.4	256QAM	3	0	18.63	18.78	18.78					
1.4	256QAM	3	4	18.66	18.89	18.67	19	5			
1.4	256QAM	3	4	18.66	18.83	18.78					
1.4	256QAM	15	0	18.75	18.75	18.75					



Band 4_Ant 1									
RF (MHz)	Modulation	RB SpW	RB Offset	Power Ch / Freq	Power Mid Ch / Freq	Power Hw Ch / Freq	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20650 1732.5 20650									
20	QPSK	1	0	15.22	15.22	15.20	20.7	0	
20	QPSK	1	49	15.02	15.11	15.08			
20	QPSK	1	98	15.14	15.11	15.11			
20	QPSK	50	0	15.12	15.13	15.11	20.7	0	
20	QPSK	50	24	15.10	15.13	15.04			
20	QPSK	50	49	15.08	15.07	15.02			
20	QPSK	100	0	15.10	15.14	15.09			
20	16QAM	1	0	15.05	15.05	15.02	20.7	0	
20	16QAM	1	49	15.01	15.07	15.07			
20	16QAM	1	99	15.01	15.18	15.01			
20	16QAM	50	0	15.03	15.16	15.07	20.7	0	
20	16QAM	50	24	15.11	15.13	15.12			
20	16QAM	100	0	15.08	15.06	15.06			
20	16QAM	100	0	15.03	15.10	15.06			
20	64QAM	1	49	15.05	15.14	15.09	20.7	0	
20	64QAM	1	99	15.01	15.14	15.09			
20	64QAM	50	0	15.03	15.10	15.06			
20	64QAM	50	24	15.02	15.14	15.08	20.7	0	
20	64QAM	50	49	15.03	15.07	15.11			
20	64QAM	100	0	15.03	15.10	15.06			
20	256QAM	1	0	15.15	15.20	15.05			
20	256QAM	1	49	15.11	15.21	15.15	19	1.7	
20	256QAM	1	99	15.02	15.15	15.11			
20	256QAM	50	0	15.09	15.18	15.15			
20	256QAM	50	24	15.10	15.22	15.17	19	1.7	
20	256QAM	50	49	15.14	15.14	15.05			
20	256QAM	100	0	15.08	15.12	15.08			
Channel									
Frequency (MHz)									
20625 20175 20625									
15	QPSK	1	0	15.14	15.12	15.02	20.7	0	
15	QPSK	1	97	15.02	15.07	15.01			
15	QPSK	1	97	15.02	15.07	15.01			
15	QPSK	36	0	15.11	15.08	15.06	20.7	0	
15	QPSK	36	20	15.02	15.08	15.03			
15	QPSK	36	20	15.08	15.02	15.08			
15	QPSK	75	0	15.05	15.05	15.00	20.7	0	
15	16QAM	1	0	15.03	15.03	15.00			
15	16QAM	1	97	15.05	15.07	15.01			
15	16QAM	36	0	15.02	15.07	15.02	20.7	0	
15	16QAM	36	20	15.04	15.06	15.05			
15	16QAM	75	0	15.04	15.07	15.05			
15	16QAM	75	0	15.04	15.06	15.06	20.7	0	
15	16QAM	75	0	15.03	15.06	15.06			
15	64QAM	1	97	15.01	15.04	15.04	20.7	0	
15	64QAM	1	74	15.03	15.01	15.06			
15	64QAM	36	0	15.01	15.03	15.04			
15	64QAM	36	20	15.02	15.06	15.07	20.7	0	
15	64QAM	36	20	15.03	15.02	15.03			
15	64QAM	75	0	15.02	15.04	15.04			
15	256QAM	1	0	15.08	15.11	15.07	19	1.7	
15	256QAM	1	97	15.05	15.08	15.02			
15	256QAM	1	74	15.03	15.06	15.04			
15	256QAM	36	0	15.07	15.10	15.10	19	1.7	
15	256QAM	36	20	15.07	15.06	15.07			
15	256QAM	75	0	15.07	15.06	15.03			
15	256QAM	75	0	15.05	15.08	15.03			
Channel									
Frequency (MHz)									
20600 20175 20600									
10	QPSK	1	0	15.13	15.12	15.02	20.7	0	
10	QPSK	1	25	15.05	15.01	15.05			
10	QPSK	1	49	15.12	15.03	15.03			
10	QPSK	25	0	15.07	15.13	15.01	20.7	0	
10	QPSK	25	12	15.04	15.10	15.03			
10	QPSK	25	12	15.06	15.04	15.07			
10	QPSK	50	0	15.08	15.03	15.06	20.7	0	
10	16QAM	1	0	15.09	15.07	15.00			
10	16QAM	1	49	15.07	15.14	15.06			
10	16QAM	25	0	15.03	15.12	15.09	20.7	0	
10	16QAM	25	12	15.03	15.07	15.05			
10	16QAM	50	0	15.06	15.12	15.08			
10	16QAM	50	25	15.04	15.01	15.04	20.7	0	
10	16QAM	50	0	15.05	15.02	15.04			
10	64QAM	1	25	15.09	15.12	15.07			
10	64QAM	1	49	15.04	15.06	15.07	20.7	0	
10	64QAM	1	25	15.04	15.06	15.05			
10	64QAM	25	0	15.04	15.06	15.04			
10	64QAM	25	12	15.06	15.10	15.04	20.7	0	
10	64QAM	25	12	15.06	15.05	15.01			
10	256QAM	1	0	15.05	15.10	15.05			
10	256QAM	1	25	15.03	15.14	15.13	19	1.7	
10	256QAM	1	49	15.07	15.10	15.07			
10	256QAM	25	0	15.02	15.10	15.05			
10	256QAM	25	12	15.06	15.10	15.04	20.7	0	
10	256QAM	25	12	15.06	15.05	15.01			
10	256QAM	50	0	15.05	15.10	15.05			
10	256QAM	50	25	15.03	15.14	15.13	19	1.7	
10	256QAM	50	25	15.07	15.06	15.07			
10	256QAM	50	25	15.05	15.10	15.05			
Channel									
Frequency (MHz)									
17615 1732.5 17615									
3	QPSK	1	0	15.07	15.10	15.09	20.7	0	
3	QPSK	1	8	15.08	15.06	15.04			
3	QPSK	1	14	15.09	15.08	15.08			
3	QPSK	8	0	15.05	15.07	15.03	20.7	0	
3	QPSK	8	7	15.03	15.09	15.03			
3	QPSK	8	7	15.04	15.07	15.03			
3	QPSK	14	0	15.01	15.11	15.11			
3	16QAM	1	0	15.00	15.05	15.06	20.7	0	
3	16QAM	1	8	15.08	15.03	15.08			
3	16QAM	1	14	15.09	15.04	15.07			
3	16QAM	8	0	15.07	15.07	15.06	20.7	0	
3	16QAM	8	7	15.04	15.08	15.03			
3	16QAM	14	0	15.01	15.06	15.04			
3	16QAM	14	0	15.08	15.01	15.05	20.7	0	
3	16QAM	14	8	15.09	15.18	15.03			
3	16QAM	8	0	15.07	15.06	15.04			
3	16QAM	15	0	15.06	15.06	15.06	20.7	0	
3	256QAM	1	0	15.09	15.08	15.02			
3	256QAM	1	12	15.06	15.03	15.04			
3	256QAM	1	24	15.05	15.07	15.07	19	1.7	
3	256QAM	1	0	15.11	15.17	15.09			
3	256QAM	1	14	15.06	15.04	15.07			
3	256QAM	3	0	15.07	15.12	15.01	19	1.7	
3	256QAM	3	0	15.07	15.12	15.10			
3	256QAM	8	0	15.07	15.02	15.09			
3	256QAM	8	7	15.04	15.09	15.01	19	1.7	
3	256QAM	8	7	15.04	15.09	15.01			
3	256QAM	15	0	15.05	15.03	15.03			
Channel									
Frequency (MHz)									
17617 1732.5 17613									
1.4	QPSK	1	0	15.06	15.17	15.11	20.7	0	
1.4	QPSK	1	3	15.07	15.06	15.07			
1.4	QPSK	1	8	15.13	15.04	15.06			
1.4	QPSK	3	0	15.10	15.10	15.06	20.7	0	
1.4	QPSK	3	1	15.09	15.07	15.02			
1.4	QPSK	3	14	15.07	15.07	15.07			
1.4	QPSK	6	0	15.07	15.07	15.07	20.7	0	
1.4	QPSK	6	0	15.04	15.01	15.04			
1.4	QPSK	6	0	15.03	15.08	15.03			
1.4	QPSK	15	0	15.06	15.18	15.03	20.7	0	
1.4	QPSK	15	0	15.09	15.02	15.05			
1.4	QPSK	3	0	15.09	15.04	15.08			
1.4	QPSK	3	1	15.09	15.07	15.05			
1.4	QPSK	6	0	15.01	15.01	15.05	20.7	0	
1.4	QPSK	6	0	15.05	15.16	15.08			
1.4	QPSK	15	0	15.03	15.03	15.03			
1.4	QPSK	15	0	15.03	15.08	15.02	20.7	0	
1.4	QPSK	15	0	15.04	15.07	15.04			
1.4	QPSK	3	0	15.00	15.00	15.13			
1.4	QPSK	3	1	15.00	15.00	15.13	19	1.7	
1.4	QPSK	3	1	15.00	15.00	15.13			
1.4	QPSK	3	17	15.07	15.02	15.04			
1.4	QPSK	3	17	15.02	15.02	15.04			
1.4	QPSK	3	17	15.02	15.02	15.04			

Band 7_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)			
Channel				2096.5	2150	2150					
Frequency (MHz)				2096.5	2150	2150					
20	QPSK	1	0	21.14	21.77	21.70	22.9	0			
20	QPSK	1	49	21.66	21.67	21.58					
20	QPSK	1	99	21.65	21.70	21.65					
20	QPSK	50	0	21.68	21.69	21.62					
20	QPSK	50	24	21.63	21.64	21.67	22.9	0			
20	QPSK	50	49	21.65	21.68	21.63					
20	QPSK	100	0	21.64	21.69	21.61					
20	16QAM	1	0	21.70	21.69	21.68		22.9	0		
20	16QAM	1	99	21.64	21.69	21.65	22.9	0			
20	16QAM	50	0	21.69	21.72	21.65					
20	16QAM	50	24	21.73	21.64	21.64					
20	16QAM	100	0	21.69	21.74	21.55					
20	16QAM	100	0	21.70	21.72	21.65	22.9	0			
20	16QAM	1	0	21.69	21.70	21.62					
20	16QAM	1	49	21.59	21.69	21.59					
20	16QAM	1	99	21.73	21.64	21.66					
20	16QAM	50	0	21.15	21.31	21.31	22	0.9			
20	16QAM	50	24	21.32	21.30	21.32					
20	16QAM	50	49	21.30	21.32	21.33					
20	256QAM	1	0	18.66	18.60	18.79					
20	256QAM	1	49	18.58	18.72	18.86	19	3.9			
20	256QAM	1	99	18.64	18.74	18.71					
20	256QAM	50	0	18.71	18.72	18.59					
20	256QAM	50	24	18.67	18.67	18.63					
20	256QAM	100	0	18.68	18.70	18.63	19	3.9			
20	256QAM	100	0	18.69	18.67	18.75					
Channel				2096.5	2150	2150	Turn-up time (min)	MPE (dB)			
Frequency (MHz)				2096.5	2150	2150					
15	QPSK	1	0	21.70	21.70	21.66	22.9	0			
15	QPSK	1	37	21.57	21.55	21.56					
15	QPSK	1	74	21.62	21.68	21.69					
15	QPSK	36	0	21.65	21.69	21.63					
15	QPSK	36	20	21.53	21.58	21.44	22.9	0			
15	QPSK	36	39	21.56	21.56	21.62					
15	QPSK	75	0	21.52	21.51	21.55					
15	16QAM	1	0	21.59	21.64	21.49		22.9	0		
15	16QAM	1	37	21.62	21.61	21.62	22.9	0			
15	16QAM	1	74	21.49	21.69	21.49					
15	16QAM	36	0	21.58	21.62	21.53					
15	16QAM	36	20	21.60	21.59	21.56					
15	16QAM	36	39	21.65	21.60	21.49	22.9	0			
15	16QAM	75	0	21.54	21.72	21.48					
15	16QAM	75	0	21.54	21.62	21.59					
15	16QAM	1	37	21.44	21.52	21.57					
15	16QAM	1	74	21.66	21.54	21.59	22.9	0			
15	16QAM	36	0	21.20	21.32	21.45					
15	16QAM	36	20	21.26	21.37	21.45					
15	16QAM	36	39	21.29	21.42	21.43					
15	16QAM	75	0	21.31	21.33	21.38	19	3.9			
15	256QAM	1	0	18.56	18.56	18.56					
15	256QAM	1	37	18.55	18.56	18.51					
15	256QAM	1	74	18.60	18.57	18.64					
15	256QAM	36	0	18.65	18.60	18.50	19	3.9			
15	256QAM	36	20	18.61	18.73	18.74					
15	256QAM	36	39	18.57	18.60	18.59					
15	256QAM	75	0	18.63	18.73	18.65					
Channel				2096.5	2150	2150	Turn-up time (min)	MPE (dB)			
Frequency (MHz)				2096.5	2150	2150					
10	QPSK	1	0	21.64	21.73	21.64	22.9	0			
10	QPSK	1	25	21.55	21.59	21.57					
10	QPSK	1	49	21.54	21.56	21.60					
10	QPSK	25	0	21.61	21.66	21.62					
10	QPSK	25	12	21.51	21.63	21.52	22.9	0			
10	QPSK	50	0	21.65	21.62	21.62					
10	QPSK	50	0	21.62	21.69	21.66					
10	16QAM	1	0	21.53	21.54	21.49		22.9	0		
10	16QAM	1	25	21.60	21.63	21.58	22.9	0			
10	16QAM	1	49	21.59	21.69	21.46					
10	16QAM	25	0	21.55	21.65	21.63					
10	16QAM	25	12	21.69	21.52	21.58					
10	16QAM	50	0	21.61	21.59	21.58	22.9	0			
10	16QAM	50	0	21.59	21.69	21.53					
10	16QAM	1	0	21.54	21.74	21.50					
10	16QAM	1	25	21.52	21.59	21.63					
10	16QAM	1	49	21.60	21.56	21.52	22	0.9			
10	16QAM	25	0	21.39	21.49	21.57					
10	16QAM	25	12	21.44	21.49	21.58					
10	16QAM	25	25	21.47	21.39	21.60					
10	256QAM	1	0	18.61	18.69	18.69	19	3.9			
10	256QAM	1	25	18.48	18.66	18.54					
10	256QAM	1	49	18.62	18.72	18.67					
10	256QAM	25	0	18.69	18.70	18.45					
10	256QAM	25	12	18.52	18.74	18.63	19	3.9			
10	256QAM	25	25	18.53	18.60	18.59					
10	256QAM	50	0	18.67	18.65	18.63					
Channel				2097.5	2150	2142.5	Turn-up time (min)	MPE (dB)			
Frequency (MHz)				2097.5	2150	2142.5					
5	QPSK	1	0	21.68	21.66	21.62	22.9	0			
5	QPSK	1	12	21.64	21.61	21.62					
5	QPSK	1	24	21.52	21.56	21.51					
5	QPSK	12	0	21.56	21.65	21.63					
5	QPSK	12	7	21.57	21.59	21.56	22.9	0			
5	QPSK	12	13	21.55	21.69	21.55					
5	QPSK	25	0	21.53	21.59	21.54					
5	16QAM	1	0	21.59	21.56	21.59		22.9	0		
5	16QAM	1	12	21.65	21.55	21.64	22.9	0			
5	16QAM	1	24	21.58	21.62	21.50					
5	16QAM	12	0	21.69	21.72	21.61					
5	16QAM	12	7	21.62	21.69	21.63					
5	16QAM	12	13	21.54	21.59	21.54	22.9	0			
5	16QAM	25	0	21.69	21.69	21.54					
5	16QAM	1	0	21.51	21.72	21.55					
5	16QAM	1	12	21.54	21.61	21.64					
5	16QAM	1	24	21.61	21.63	21.61	22	0.9			
5	16QAM	12	9	21.46	21.47	21.53					
5	16QAM	12	13	21.47	21.49	21.54					
5	16QAM	12	13	21.44	21.56	21.63					
5	256QAM	1	0	18.62	18.70	18.65	19	3.9			
5	256QAM	1	12	18.49	18.58	18.59					
5	256QAM	12	9	18.51	18.71	18.69	19	3.9			
5	256QAM	12	13	18.53	18.69	18.60					
5	256QAM	12	13	18.55	18.69	18.55	19	3.9			
5	256QAM	12	13	18.51	18.64	18.52					



Band 12_Ant 1										
BW [MHz]	Modulation	RB Size	RE Const.	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Turnup time (dB)	MPE (dB)		
Channel				23060	23065	23110	702.5	73.5		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	22.41	22.42	22.38	24	0		
10	QPSK	1	25	22.35	22.38	22.28				
10	QPSK	25	0	22.08	22.13	21.94	23	1		
10	QPSK	25	12	22.08	22.09	21.94				
10	QPSK	50	0	22.07	22.08	21.87	22	2		
10	16QAM	1	0	22.07	22.23	22.21				
10	16QAM	1	49	22.18	22.01	22.31	23	1		
10	16QAM	25	0	20.95	20.99	20.98				
10	16QAM	25	12	21.17	21.03	21.09	22	2		
10	16QAM	25	25	21.06	21.10	21.06				
10	16QAM	50	0	21.12	20.95	21.08	22	2		
10	64QAM	1	0	21.12	21.34	21.31				
10	64QAM	1	25	21.30	21.20	21.25	22	2		
10	64QAM	1	49	20.84	21.20	21.17				
10	64QAM	25	0	19.90	20.07	19.98	21	3		
10	64QAM	25	12	20.18	20.00	20.10				
10	64QAM	25	25	20.03	20.04	20.17	19	5		
10	256QAM	1	0	18.00	18.12	17.97				
10	256QAM	1	25	18.06	18.10	17.85	19	5		
10	256QAM	1	49	17.85	18.06	17.87				
10	256QAM	25	0	17.71	18.00	17.65	19	5		
10	256QAM	25	12	17.85	18.06	17.65				
10	256QAM	25	25	18.07	18.10	18.00	19	5		
10	256QAM	50	0	18.02	18.11	18.01				
Channel				23065	23065	23155	702.5	73.5		
Frequency (MHz)				707.5	707.5	715.5				
5	QPSK	1	0	22.24	22.18	22.40	24	0		
5	QPSK	1	12	22.39	22.32	22.41				
5	QPSK	1	24	22.33	22.30	22.34	23	1		
5	QPSK	12	0	21.91	21.95	21.96				
5	QPSK	12	7	22.07	21.94	22.04	22	2		
5	QPSK	12	13	21.90	21.94	21.97				
5	QPSK	25	0	22.03	21.92	21.87	23	1		
5	16QAM	1	0	22.15	22.10	22.19				
5	16QAM	1	12	22.03	22.02	22.03	22	2		
5	16QAM	1	24	22.17	22.31	22.40				
5	16QAM	12	0	21.00	21.06	21.01	23	1		
5	16QAM	12	7	21.23	21.14	21.04				
5	16QAM	12	13	21.13	20.90	21.07	22	2		
5	16QAM	25	0	21.08	21.13	20.98				
5	64QAM	1	0	21.04	21.27	21.04	22	2		
5	64QAM	1	12	20.97	21.10	21.22				
5	64QAM	1	24	21.28	21.13	21.27	21	3		
5	64QAM	12	0	19.89	20.00	19.95				
5	64QAM	12	7	19.97	20.00	20.14	19	5		
5	64QAM	12	13	20.12	20.06	20.25				
5	64QAM	25	0	19.93	19.95	20.07	19	5		
5	256QAM	1	0	17.88	18.07	17.82				
5	256QAM	1	12	18.01	18.06	17.92	19	5		
5	256QAM	1	24	17.93	17.95	17.83				
5	256QAM	12	0	17.90	17.80	17.91	19	5		
5	256QAM	12	7	17.88	17.96	17.82				
5	256QAM	12	13	18.06	18.00	18.07	19	5		
5	256QAM	25	0	18.00	18.00	17.93				
Channel				23065	23065	23165	702.5	73.5		
Frequency (MHz)				707.5	707.5	716.5				
3	QPSK	1	0	22.19	22.22	22.32	24	0		
3	QPSK	1	8	22.33	22.41	22.29				
3	QPSK	1	14	22.29	22.34	22.23	23	1		
3	QPSK	8	0	21.97	21.91	21.90				
3	QPSK	8	4	22.03	21.99	22.00	22	2		
3	QPSK	8	7	21.06	22.01	21.94				
3	16QAM	1	0	22.00	21.99	21.97	23	1		
3	16QAM	1	8	22.09	21.92	22.10				
3	16QAM	1	14	22.23	22.21	22.10	22	2		
3	16QAM	8	0	21.19	20.90	21.03				
3	16QAM	8	4	21.02	21.11	21.10	21	3		
3	16QAM	8	7	21.08	21.01	21.02				
3	16QAM	15	0	21.03	20.96	20.97	22	2		
3	64QAM	1	0	21.40	21.14	21.15				
3	64QAM	1	8	21.26	21.13	21.01	22	2		
3	64QAM	1	14	20.94	21.04	21.06				
3	64QAM	8	0	19.99	19.99	19.79	21	3		
3	64QAM	8	4	20.03	20.00	20.05				
3	64QAM	8	7	19.97	19.96	20.04	19	5		
3	256QAM	1	0	17.90	18.00	17.80				
3	256QAM	1	8	17.99	17.96	17.86	19	5		
3	256QAM	1	14	17.85	17.95	17.81				
3	256QAM	8	0	17.89	17.80	17.89	19	5		
3	256QAM	8	4	17.91	17.94	17.78				
3	256QAM	8	7	17.86	18.00	18.00	19	5		
3	256QAM	15	0	17.94	18.00	17.82				
Channel				23077	23095	23175	702.5	73.5		
Frequency (MHz)				711.5	713.5	719.5				
1.4	QPSK	1	0	22.36	22.37	22.29	24	0		
1.4	QPSK	1	3	22.30	22.28	22.02				
1.4	QPSK	1	6	22.12	22.22	22.10	23	1		
1.4	QPSK	3	0	22.23	22.24	22.23				
1.4	QPSK	3	1	22.19	22.18	22.16	22	2		
1.4	QPSK	3	1	22.23	22.32	22.19				
1.4	16QAM	1	0	21.92	22.14	22.08	23	1		
1.4	16QAM	1	3	22.11	22.29	22.11				
1.4	16QAM	1	6	22.10	21.99	22.20	23	1		
1.4	16QAM	3	0	21.90	22.02	22.03				
1.4	16QAM	3	1	22.08	22.24	22.03	22	2		
1.4	16QAM	3	3	21.99	21.80	22.10				
1.4	16QAM	6	0	20.97	20.81	21.00	22	2		
1.4	64QAM	1	0	20.98	21.29	21.27				
1.4	64QAM	1	3	21.30	21.06	21.16	22	2		
1.4	64QAM	1	6	20.73	21.16	21.08				
1.4	64QAM	3	0	20.51	20.61	20.60	22	2		
1.4	64QAM	3	1	21.29	20.99	21.14				
1.4	64QAM	3	3	20.68	21.06	20.95	19	5		
1.4	64QAM	6	0	19.89	18.80	19.78				
1.4	256QAM	1	0	17.89	18.00	17.80	19	5		
1.4	256QAM	1	3	18.00	18.07	17.82				
1.4	256QAM	1	6	17.86	17.94	17.89	19	5		
1.4	256QAM	3	0	17.79	17.98	17.88				
1.4	256QAM	3	1	17.85	17.93	17.85	19	5		
1.4	256QAM	3	3	17.97	18.11	17.99				
1.4	256QAM	6	0	17.96	18.00	17.85	19	5		



Band 17_Ant 1										
RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)		
Channel				22760	22780	22800				
Frequency (MHz)				768	770	781				
10	QPSK	1	0	22.36	22.38	22.40	24	0		
10	QPSK	1	25	22.27	22.32	22.28				
10	QPSK	1	49	22.31	22.29	22.25				
10	QPSK	25	0	22.11	22.14	22.12				
10	QPSK	25	12	22.10	21.88	22.01	23	1		
10	QPSK	25	25	22.09	22.08	22.07				
10	QPSK	50	0	22.05	22.02	22.00				
10	16QAM	1	0	22.06	22.23	22.30				
10	16QAM	1	25	22.10	22.30	22.35	23	1		
10	16QAM	1	49	22.38	22.30	22.34				
10	16QAM	25	0	22.02	21.91	21.98				
10	16QAM	25	12	21.02	21.11	21.04				
10	16QAM	50	0	21.03	21.13	21.03	22	2		
10	16QAM	1	0	21.02	21.23	21.07				
10	16QAM	1	25	21.28	21.09	21.05				
10	16QAM	1	49	21.19	21.23	21.03				
10	16QAM	25	0	20.94	19.99	19.98	21	3		
10	16QAM	25	12	19.99	20.19	19.94				
10	16QAM	25	25	20.18	20.03	19.99				
10	16QAM	50	0	20.08	20.02	19.94				
10	256QAM	1	0	18.17	18.18	18.06	19	5		
10	256QAM	1	25	18.01	18.13	18.05				
10	256QAM	1	49	18.11	18.05	18.12				
10	256QAM	25	0	18.00	18.14	18.04				
10	256QAM	25	12	18.15	18.16	18.11	19	5		
10	256QAM	25	25	18.04	18.17	18.03				
10	256QAM	50	0	18.08	18.20	18.07				
Channel				22760	22780	22800	Turn-up time (min)	MPE (dB)		
Frequency (MHz)				62.1	62.3	62.5				
5	QPSK	1	0	22.30	22.38	22.31	24	0		
5	QPSK	1	12	22.30	22.31	22.34				
5	QPSK	1	24	22.18	22.20	22.25				
5	QPSK	12	0	22.00	21.99	21.96				
5	QPSK	12	7	22.08	22.11	22.04	23	1		
5	QPSK	12	19	22.08	22.11	22.05				
5	QPSK	25	0	22.04	21.98	21.98				
5	16QAM	1	0	22.28	22.19	22.01				
5	16QAM	1	12	22.23	22.10	22.29	23	1		
5	16QAM	1	24	22.33	22.09	22.33				
5	16QAM	12	0	21.02	21.02	21.08				
5	16QAM	12	7	21.14	20.97	20.99				
5	16QAM	12	13	21.13	21.09	21.02	22	2		
5	16QAM	25	0	20.98	21.04	20.98				
5	16QAM	1	0	21.08	21.34	21.05				
5	16QAM	1	12	21.33	21.20	21.34				
5	16QAM	1	24	21.04	21.06	21.00	22	2		
5	16QAM	12	7	20.98	20.95	20.90				
5	16QAM	12	13	20.99	20.96	20.94				
5	256QAM	1	0	18.02	18.10	18.04	19	5		
5	256QAM	1	12	17.89	18.05	18.03				
5	256QAM	1	49	18.07	18.15	18.10				
5	256QAM	12	0	17.86	18.13	17.89				
5	256QAM	12	7	18.14	18.06	18.06	19	5		
5	256QAM	12	13	17.95	18.09	17.97				
5	256QAM	25	0	17.85	18.08	17.85				
5	256QAM	25	0	17.85	18.08	17.85				

Band 25_Ant 2										
RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup time (min)	MPE (dB)		
Channel				26140	26140	26160				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.70	22.70	22.69	24	0		
20	QPSK	1	49	22.73	22.85	22.79				
20	QPSK	1	99	22.76	22.80	22.89				
20	QPSK	50	0	22.38	22.44	22.32				
20	QPSK	50	24	22.38	22.40	22.32	23	1		
20	QPSK	1	0	22.31	22.35	22.30				
20	QPSK	100	0	22.38	22.39	22.31				
20	16QAM	1	0	22.82	22.48	22.54	23	1		
20	16QAM	1	49	22.84	22.58	22.75				
20	16QAM	1	99	22.37	22.40	22.74				
20	16QAM	50	0	22.09	21.93	22.13				
20	16QAM	50	24	21.98	21.95	21.79	23	1		
20	16QAM	100	0	21.06	21.01	21.21				
20	16QAM	1	0	22.16	22.04	22.13				
20	16QAM	1	49	22.12	22.09	22.20				
20	16QAM	1	99	21.98	22.04	22.30	22	2		
20	16QAM	50	0	21.03	21.04	21.09				
20	16QAM	50	24	21.08	20.98	21.15				
20	256QAM	1	0	18.00	18.10	18.01				
20	256QAM	1	49	18.05	18.08	18.15	19	5		
20	256QAM	1	99	18.04	18.02	18.15				
20	256QAM	50	0	18.02	18.02	18.05				
20	256QAM	50	24	18.02	18.05	18.05				
20	256QAM	100	0	18.02	18.12	18.01	19	5		
20	256QAM	1	0	18.00	18.10	18.01				
20	256QAM	1	49	18.04	18.02	18.15				
20	256QAM	1	99	18.04	18.02	18.15				
20	256QAM	50	0	18.02	18.02	18.05	22	2		
20	256QAM	50	24	18.02	18.05	18.05				
20	256QAM	100	0	18.02	18.15	18.05				
20	256QAM	1	0	18.00	18.10	18.01				
Channel				26115	26140	26160	Turnup time (min)	MPE (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	22.70	22.58	22.71	24	0		
15	QPSK	1	37	22.80	22.67	22.71				
15	QPSK	1	75	22.81	22.67	22.71				
15	QPSK	36	0	22.43	22.22	22.35				
15	QPSK	36	20	22.38	22.27	22.45	23	1		
15	QPSK	75	0	22.38	22.29	22.45				
15	16QAM	1	0	22.38	22.29	22.45				
15	16QAM	1	0	22.38	22.29	22.45				
15	16QAM	1	74	22.56	22.49	22.62	23	1		
15	16QAM	36	0	22.12	21.97	22.12				
15	16QAM	36	20	22.22	21.98	22.27				
15	16QAM	75	0	22.10	21.96	22.17				
15	16QAM	75	0	22.22	22.14	22.28	23	1		
15	16QAM	1	37	22.11	22.10	22.28				
15	16QAM	1	74	22.12	21.94	22.11				
15	16QAM	36	20	21.10	20.90	21.19				
15	16QAM	36	20	21.07	20.90	21.19	22	2		
15	16QAM	36	39	21.06	20.95	21.20				
15	256QAM	1	0	18.00	18.07	18.01				
15	256QAM	1	37	18.02	18.10	18.01				
15	256QAM	1	75	18.05	18.07	18.02	19	5		
15	256QAM	36	0	18						



Band 26(FCC)_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turnup int. [dB]	MPE [dB]		
Channel										Ch Data P.S.G.
Frequency [MHz]										
B11.5 B11.5 B11.5										
16	QPSK	1	0	22.55	22.58	22.61				
15	QPSK	1	37	22.75	22.78	22.80	24	0		
14	QPSK	1	74	22.95	22.98	23.00				
16	QPSK	36	0	22.60	22.68	22.75				
15	QPSK	36	20	22.55	22.58	22.60	24	0		
16	QPSK	36	39	22.40	22.43	22.45				
16	QPSK	75	0	22.53	22.57	22.59				
15	16QAM	1	0	22.81	22.82	22.82	24	0		
15	16QAM	37	0	22.85	22.75	22.65				
15	16QAM	1	74	22.99	22.98	22.91	24	0		
15	16QAM	36	0	21.84	21.87	21.98				
15	16QAM	36	20	21.84	21.83	21.53	23	1		
15	16QAM	75	0	21.84	21.68	21.51				
16	64QAM	1	0	21.70	21.62	21.59				
16	64QAM	1	37	21.76	21.63	21.78	23	1		
15	64QAM	1	74	21.80	21.58	21.53				
16	64QAM	36	0	20.82	20.67	20.57				
15	64QAM	36	20	20.80	20.62	20.54	22	2		
16	64QAM	36	39	20.82	20.67	20.54				
15	256QAM	1	0	18.74	18.75	18.70				
15	256QAM	1	37	18.72	18.80	18.85	19	5		
15	256QAM	1	74	18.80	18.83	18.87				
15	256QAM	36	0	18.67	18.73	18.65				
15	256QAM	36	20	18.79	18.80	18.75	19	5		
15	256QAM	36	39	18.75	18.85	18.78				
16	256QAM	75	0	18.76	18.83	18.78				
Channel										Ch Data P.S.G.
B16.0 B16.0 B16.0										
16	QPSK	1	0	22.78	22.78	22.80				
15	QPSK	1	25	22.64	22.72	22.88	24	0		
15	QPSK	1	49	22.53	22.63	22.81				
15	QPSK	25	0	22.46	22.61	22.44				
15	QPSK	25	12	22.50	22.51	22.37	24	0		
15	QPSK	25	26	22.39	22.37	22.55				
16	QPSK	50	0	22.43	22.53	22.16				
15	16QAM	1	0	22.74	22.63	22.55	24	0		
15	16QAM	1	25	22.73	22.71	22.58				
15	16QAM	1	49	22.50	22.44	22.47				
15	16QAM	25	0	21.69	21.63	21.51	23	1		
15	16QAM	25	12	21.73	21.67	21.44				
15	16QAM	25	25	21.76	21.51	21.45				
15	16QAM	50	0	21.70	21.63	21.42				
16	64QAM	1	0	21.69	21.78	21.66				
16	64QAM	1	25	21.66	21.71	21.58	23	1		
16	64QAM	1	49	21.86	21.49	21.50				
16	64QAM	25	0	20.79	20.60	20.47				
16	64QAM	25	12	20.81	20.54	20.47	22	2		
16	64QAM	25	25	20.71	20.58	20.43				
16	64QAM	50	0	20.71	20.57	20.34				
16	256QAM	1	0	18.69	18.72	18.56				
16	256QAM	1	25	18.66	18.72	18.59	19	5		
16	256QAM	1	49	18.74	18.81	18.77				
16	256QAM	25	0	18.52	18.67	18.52				
16	256QAM	25	12	18.67	18.63	18.43	19	5		
16	256QAM	25	25	18.51	18.73	18.66				
16	256QAM	50	0	18.68	18.81	18.67				
Channel										Ch Data P.S.G.
B16.5 B16.5 B16.5										
5	QPSK	1	0	22.82	22.88	22.81				
5	QPSK	1	12	22.61	22.67	22.80	24	0		
5	QPSK	1	24	22.56	22.68	22.83				
5	QPSK	12	0	22.57	22.66	22.50				
5	QPSK	12	7	22.51	22.47	22.39	24	0		
5	QPSK	12	14	22.38	22.40	22.12				
5	QPSK	25	0	22.52	22.54	22.35				
5	16QAM	1	0	22.74	22.75	22.53	24	0		
5	16QAM	1	12	22.71	22.68	22.46				
5	16QAM	1	24	22.52	22.48	22.44				
5	16QAM	12	0	21.67	21.58	21.56	23	1		
5	16QAM	12	7	21.69	21.68	21.52				
5	16QAM	12	13	21.72	21.55	21.46				
5	16QAM	25	0	21.62	21.66	21.38				
5	64QAM	1	0	21.67	21.78	21.65				
5	64QAM	1	12	21.61	21.76	21.72	23	1		
5	64QAM	1	24	21.86	21.42	21.49				
5	64QAM	12	0	20.64	20.62	20.35				
5	64QAM	12	7	20.72	20.59	20.45	22	2		
5	64QAM	12	13	20.69	20.47	20.46				
5	64QAM	25	0	20.69	20.55	20.38				
5	256QAM	1	0	18.60	18.62	18.59				
5	256QAM	1	12	18.66	18.76	18.54	19	5		
5	256QAM	1	24	18.71	18.72	18.68				
5	256QAM	12	0	18.62	18.70	18.56				
5	256QAM	12	7	18.67	18.65	18.45	19	5		
5	256QAM	12	13	18.51	18.73	18.74				
5	256QAM	25	0	18.81	18.75	18.61				
Channel										Ch Data P.S.G.
B17.0 B17.0 B17.0										
3	QPSK	1	0	22.76	22.78	22.77				
3	QPSK	1	8	22.63	22.67	22.54	24	0		
3	QPSK	1	14	22.56	22.68	22.81				
3	QPSK	8	0	22.49	22.55	22.52				
3	QPSK	8	7	22.52	22.47	22.41	24	0		
3	QPSK	8	14	22.39	22.32	22.35				
3	QPSK	15	0	22.42	22.47	22.17				
3	16QAM	1	0	22.72	22.74	22.52	24	0		
3	16QAM	1	8	22.74	22.72	22.54				
3	16QAM	1	14	22.56	22.43	22.38				
3	16QAM	8	0	21.79	21.61	21.53	23	1		
3	16QAM	8	7	21.74	21.68	21.47				
3	16QAM	8	14	21.65	21.56	21.52				
3	16QAM	15	0	21.79	21.66	21.43				
3	64QAM	1	0	21.63	21.62	21.67				
3	64QAM	1	8	21.72	21.70	21.70	23	1		
3	64QAM	1	14	21.68	21.52	21.46				
3	64QAM	8	0	20.73	20.58	20.55				
3	64QAM	8	7	20.76	20.57	20.41	22	2		
3	64QAM	8	14	20.79	20.64	20.42				
3	256QAM	1	0	18.72	18.74	18.61				
3	256QAM	1	8	18.68	18.76	18.59	19	5		
3	256QAM	1	14	18.68	18.67	18.65				
3	256QAM	8	0	18.69	18.65	18.53				
3	256QAM	8	7	18.61	18.75	18.71	19	5		
3	256QAM	15	0	18.74	18.73	18.65				
Channel										Ch Data P.S.G.
B17.5 B17.5 B17.5										
1.4	QPSK	1	0	22.59	22.52	22.37				
1.4	QPSK	1	3	22.63	22.55	22.38	24	0		
1.4	QPSK	1	5	22.84	22.71	22.30				
1.4	QPSK	3	0	22.77	22.49	22.35				
1.4	QPSK	3	1	22.83	22.52	22.31				
1.4	QPSK	3	3	22.71	22.56	22.38	23	1		
1.4	QPSK	6	0	22.70	22.43	22.30	26	0		
1.4	16QAM	1	0	22.78	22.60	22.31				
1.4	16QAM	1	3	22.82	22.72	22.55				
1.4	16QAM	1	5	22.80	22.46	22.65	24	0		
1.4	16QAM	3	0	22.79	22.60	22.42				
1.4	16QAM	3	1	22.68	22.75	22.31				
1.4	16QAM	3	3	22.74	22.46	22.46				
1.4	16QAM	6	0	22.69	21.72	21.73	23	1		
1.4	64QAM	1	0	21.83	21.87	21.84				
1.4	64QAM	1	3	22.19	21.66	22.04				
1.4	64QAM	1	5	22.16	21.48	21.81	23	1		
1.4	64QAM	3	0	22.14	21.70	21.60				
1.4	64QAM	3	1	22.05	21.76	21.59				
1.4	64QAM	3	3	22.01	21.93	21.81				
1.4	64QAM	6	0	20.82	20.76	20.56	22	2		
1.4	256QAM	1	0	18.71	18.70	18.68				
1.4	256QAM	1	3	18.67	18.79	18.59	19	5		
1.4	256QAM	1	5	18.73	18.72	18.77				
1.4	256QAM	3	0	18.59	18.61	18.54				
1.4	256QAM	3	1	18.72	18.78	18.58				
1.4	256QAM	3	3	18.64	18.75	18.74				
1.4	256QAM	6	0	18.73	18.73	18.72	19	5		

Band 66_Ant 1														
WV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1/Freq.	Power Middle Ch.1/Freq.	Power High Ch.1/Freq.	Time-use Intvl (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
1720.2 1722.2 1724.2														
20	QPSK	1	0	19.27	19.23	19.19	20.7	0						
20	QPSK	1	49	19.16	19.22	19.11								
20	QPSK	1	99	19.07	19.18	19.17								
20	QPSK	50	0	19.15	19.26	19.26								
20	QPSK	50	24	19.05	19.16	19.17	20.7	0						
20	QPSK	50	24	19.15	19.22	19.14								
20	QPSK	100	0	19.19	19.24	19.12								
20	HQAM	1	0	19.14	19.21	19.09								
20	HQAM	1	49	19.12	19.15	19.14	20.7	0						
20	HQAM	1	99	19.10	19.27	19.19								
20	HQAM	50	0	19.06	19.15	19.14								
20	HQAM	50	24	19.27	19.22	19.20								
20	HQAM	50	50	19.10	19.17	19.21	20.7	0						
20	HQAM	100	0	19.15	19.24	19.15								
20	HQAM	1	0	19.05	19.23	19.09								
20	HQAM	1	49	19.09	19.14	19.17								
20	HQAM	1	99	19.06	19.19	19.18	20.7	0						
20	HQAM	50	0	19.14	19.13	19.13								
20	HQAM	50	24	19.10	19.25	19.13								
20	HQAM	50	50	19.16	19.24	19.18								
20	HQAM	100	0	19.09	19.14	19.21	20.7	0						
20	HQAM	1	0	18.05	18.05	18.20								
20	HQAM	1	49	18.07	18.11	18.15								
20	HQAM	1	99	18.07	18.14	18.25								
20	HQAM	50	0	18.08	18.11	18.15	19	1.7						
20	HQAM	50	24	18.14	18.08	18.22								
20	HQAM	50	50	18.24	18.13	18.26								
20	HQAM	100	0	18.18	18.20	18.21								
Channel														
Frequency (MHz)														
1724.7 1726.7 1728.7														
15	QPSK	1	0	19.06	19.21	19.10	20.7	0						
15	QPSK	1	37	19.11	19.08	18.97								
15	QPSK	1	74	19.03	19.14	19.02								
15	QPSK	36	0	19.18	19.22	19.15								
15	QPSK	36	20	19.05	19.08	19.16	20.7	0						
15	QPSK	36	39	19.13	19.15	19.06								
15	QPSK	75	0	19.17	19.16	19.05								
15	HQAM	1	0	19.02	19.12	19.09								
15	HQAM	1	37	19.02	19.04	19.13	20.7	0						
15	HQAM	1	74	19.04	19.23	19.12								
15	HQAM	36	0	18.97	19.00	19.10								
15	HQAM	36	20	18.96	19.20	19.05								
15	HQAM	36	39	19.03	19.09	19.10	20.7	0						
15	HQAM	75	0	19.06	19.23	19.08								
15	HQAM	1	0	18.90	19.12	19.12								
15	HQAM	1	37	19.02	19.06	19.13								
15	HQAM	1	74	18.99	19.09	19.15	20.7	0						
15	HQAM	36	0	19.09	19.09	19.05								
15	HQAM	36	20	19.15	19.22	19.06								
15	HQAM	36	39	19.05	19.10	19.17								
15	HQAM	75	0	18.97	19.04	19.08	20.7	0						
15	HQAM	1	0	17.87	17.98	17.77								
15	HQAM	1	37	17.85	17.99	17.92								
15	HQAM	1	74	18.04	18.00	17.86								
15	HQAM	36	0	17.84	17.91	17.91	19	1.7						
15	HQAM	36	20	18.07	17.98	17.91								
15	HQAM	36	39	17.94	17.96	17.93								
15	HQAM	75	0	17.87	18.03	18.01								
Channel														
Frequency (MHz)														
1729.2 1731.2 1733.2														
10	QPSK	1	0	19.08	19.20	19.13	20.7	0						
10	QPSK	1	25	19.13	19.12	19.07								
10	QPSK	1	49	19.04	19.12	19.14								
10	QPSK	25	0	19.04	19.19	19.09								
10	QPSK	25	12	19.02	19.05	19.11	20.7	0						
10	QPSK	25	24	19.02	19.20	19.06								
10	QPSK	50	0	19.19	19.16	19.02								
10	HQAM	1	0	19.02	19.17	19.01								
10	HQAM	1	25	18.96	19.07	19.03	20.7	0						
10	HQAM	1	49	18.97	19.17	19.13								
10	HQAM	25	0	18.97	19.14	19.00								
10	HQAM	25	12	19.03	19.21	19.05								
10	HQAM	25	25	19.02	19.13	19.15	20.7	0						
10	HQAM	50	0	19.03	19.09	19.00								
10	HQAM	1	0	18.97	19.14	19.04								
10	HQAM	1	25	19.07	19.13	19.08								
10	HQAM	1	49	18.99	19.11	19.17	20.7	0						
10	HQAM	25	0	19.07	19.12	19.04								
10	HQAM	25	12	19.03	19.20	19.09								
10	HQAM	25	25	19.11	19.15	19.07								
10	HQAM	50	0	18.97	19.13	19.11	20.7	0						
10	HQAM	1	0	17.89	17.99	17.77								
10	HQAM	1	49	17.91	17.96	17.83								
10	HQAM	25	0	17.92	17.89	17.91								
10	HQAM	25	12	17.94	17.94	17.92	19	1.7						
10	HQAM	25	25	17.94	18.05	17.95								
10	HQAM	50	0	17.91	17.99	18.00								
Channel														
Frequency (MHz)														
1733.7 1735.7 1737.7														
5	QPSK	1	0	19.05	19.23	19.18	20.7	0						
5	QPSK	1	12	19.15	19.20	19.05								
5	QPSK	1	24	18.96	19.09	19.05								
5	QPSK	12	0	19.08	19.24	19.11								
5	QPSK	12	7	18.96	19.02	19.11	20.7	0						
5	QPSK	12	13	19.10	19.07	19.11								
5	QPSK	25	0	19.15	19.09	19.03								
5	HQAM	1	0	19.11	19.09	19.05								
5	HQAM	1	12	18.97	19.12	19.10	20.7	0						
5	HQAM	1	24	18.97	19.12	19.15								
5	HQAM	12	0	18.93	19.10	19.01								
5	HQAM	12	7	18.92	19.10	19.09								
5	HQAM	12	13	19.09	19.14	19.10	20.7	0						
5	HQAM	25	0	19.02	19.09	19.08								
5	HQAM	1	0	19.04	19.08	19.05								
5	HQAM	1	12	19.09	19.09	19.04								
5	HQAM	1	24	18.97	19.13	19.06	20.7	0						
5	HQAM	12	0	19.12	19.04	19.03								
5	HQAM	12	7	19.10	19.16	19.01								
5	HQAM	12	13	19.08	19.20	19.10								
5	HQAM	25	0	19.09	19.05	19.18	20.7	0						
5	HQAM	1	0	17.87	17.97	17.87								
5	HQAM	1	12	17.94	17.96	17.92								
5	HQAM	1	24	18.04	18.04	17.9								
Channel														
Frequency (MHz)														
1738.2 1740.2 1742.2														
3	QPSK	1	0	19.05	19.23	19.18	20.7	0						
3	QPSK	1	8	19.12	19.18	19.05								
3	QPSK	1	14	19.05	19.17	19.13								
3	QPSK	8	0	19.15	19.19	19.14								
3	QPSK	8	7	18.93	19.10	19.03	20.7	0						
3	QPSK	8	7	19.06	19.20	19.03								
3	QPSK	15	0	19.03	19.19	19.14								
3	HQAM	1	0	18.99	19.13	19.06								
3	HQAM	1	8	19.06	19.13	19.05	20.7	0						
3	HQAM	8	0	18.96	19.13	19.09								
3	HQAM	8	7	18.95	19.13	19.08								
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08	20.7	0						
3	HQAM	1	8	19.07	19.18	19.09								
3	HQAM	8	0	18.93	19.13	19.01								
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09	20.7	0						
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08								
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01	20.7	0						
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09								
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08	20.7	0						
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01								
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09	20.7	0						
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08								
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01	20.7	0						
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09								
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08	20.7	0						
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01								
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09	20.7	0						
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08								
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01	20.7	0						
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09								
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08	20.7	0						
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01								
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09	20.7	0						
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08								
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01	20.7	0						
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09								
3	HQAM	15	0	19.15	19.15	19.13								
3	HQAM	1	0	18.99	19.20	19.08	20.7	0						
3	HQAM	1	8	19.03	19.13	19.09								
3	HQAM	8	0	18.93	19.13	19.01								
3	HQAM	8	7	18.92	19.13	19.09								
3	HQAM	15	0	19.03	19.13	19.09	20.7							



Band 38_Ant 2																		
RV [MHz]	Modulation	RS Size	RS Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turnup Int. (dB)	MFR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	5	22.88	22.95	22.96			24	0								
20	QPSK	1	49	22.85	22.84	22.79												
20	QPSK	1	96	22.82	22.78	22.74												
20	QPSK	50	5	22.84	22.88	22.72												
20	QPSK	50	24	22.78	22.71	22.71												
20	QPSK	50	50	22.87	22.81	22.86			24	0								
20	QPSK	100	5	22.72	22.75	22.68												
20	16QAM	1	5	22.82	22.85	22.85												
20	16QAM	1	49	22.78	22.75	22.65												
20	16QAM	1	96	22.74	22.65	22.68												
20	16QAM	50	5	22.81	22.49	22.37			23	1								
20	16QAM	50	24	22.84	22.48	21.28												
20	16QAM	50	50	22.86	22.50	21.28												
20	16QAM	100	5	22.84	22.42	22.36												
20	16QAM	100	5	21.54	21.45	21.35												
20	64QAM	1	49	22.82	22.61	22.58			23	1								
20	64QAM	1	96	22.87	22.44	22.35												
20	64QAM	50	5	21.57	21.48	21.38												
20	64QAM	50	24	21.56	21.41	21.40												
20	64QAM	50	50	21.58	21.48	21.28												
20	256QAM	1	49	22.85	22.65	22.62			22	2								
20	256QAM	1	96	22.87	22.44	22.35												
20	256QAM	50	5	21.54	21.45	21.35												
20	256QAM	50	24	21.56	21.41	21.40												
20	256QAM	50	50	21.58	21.48	21.28												
20	256QAM	100	5	21.54	21.45	21.35			21	3								
20	256QAM	100	5	19.17	19.30	19.23												
20	256QAM	100	5	19.17	19.30	19.23												
20	256QAM	100	5	19.17	19.30	19.23												
20	256QAM	100	5	19.17	19.30	19.23												
Channel																		
Frequency (MHz)																		
18	QPSK	1	5	22.74	22.75	22.58			24	0								
18	QPSK	1	37	22.75	22.81	22.75												
18	QPSK	1	74	22.73	22.72	22.61												
18	QPSK	36	5	22.79	22.68	22.61												
18	QPSK	36	20	22.65	22.68	22.68												
18	QPSK	36	24	22.64	22.62	22.61			24	0								
18	QPSK	75	5	22.73	22.68	22.62												
18	QPSK	1	5	22.70	22.52	22.63												
18	16QAM	1	37	22.65	22.65	22.61												
18	16QAM	1	74	22.71	22.54	22.59												
18	16QAM	36	5	22.55	22.44	22.30			23	1								
18	16QAM	36	20	22.44	22.38	22.35												
18	16QAM	36	24	22.44	22.41	22.27												
18	16QAM	75	5	22.52	22.44	22.21												
18	16QAM	75	5	22.51	22.27	22.26												
18	64QAM	1	37	22.48	22.36	22.35			23	1								
18	64QAM	1	74	22.47	22.50	22.40												
18	64QAM	1	74	22.46	22.32	21.31												
18	64QAM	36	20	21.45	21.27	21.31												
18	64QAM	36	20	21.45	21.27	21.31												
18	256QAM	1	37	22.47	22.35	22.34			22	2								
18	256QAM	1	74	22.46	22.38	21.34												
18	256QAM	36	20	21.45	21.27	21.31												
18	256QAM	36	20	21.45	21.27	21.31												
18	256QAM	36	20	21.45	21.27	21.31												
18	256QAM	75	5	21.52	21.38	21.44			21	3								
18	256QAM	75	5	21.52	21.38	21.44												
18	256QAM	75	5	19.06	19.25	19.24												
18	256QAM	75	5	19.06	19.25	19.24												
18	256QAM	75	5	19.06	19.25	19.24												
Channel																		
Frequency (MHz)																		
10	QPSK	1	5	22.74	22.73	22.59			24	0								
10	QPSK	1	25	22.79	22.83	22.75												
10	QPSK	1	49	22.81	22.82	22.81												
10	QPSK	25	5	22.80	22.74	22.44												
10	QPSK	25	12	22.75	22.58	22.68												
10	QPSK	25	12	22.68	22.54	22.55			24	0								
10	QPSK	50	5	22.71	22.67	22.58												
10	16QAM	1	5	22.81	22.87	22.84												
10	16QAM	1	25	22.76	22.71	22.64												
10	16QAM	1	49	22.71	22.61	22.60												
10	16QAM	25	5	22.57	22.48	22.30			23	1								
10	16QAM	25	12	22.43	22.34	22.32												
10	16QAM	25	25	22.54	22.49	22.23												
10	16QAM	50	5	22.49	22.29	22.17												
10	16QAM	50	5	22.54	22.33	22.18												
10	64QAM	1	25	22.56	22.56	22.56			23	1								
10	64QAM	1	49	22.45	22.31	22.16												
10	64QAM	25	5	21.53	21.45	21.32												
10	64QAM	25	12	21.44	21.34	21.39												
10	64QAM	25	25	21.44	21.40	21.25												
10	256QAM	1	25	21.43	21.39	21.51			22	2								
10	256QAM	1	5	19.14	19.16	19.08												
10	256QAM	1	25	19.33	19.32	19.21												
10	256QAM	1	49	19.09	19.23	19.14												
10	256QAM	25	5	19.01	19.25	19.15												
10	256QAM	25	12	19.33	19.22	19.11			21	3								
10	256QAM	25	25	19.19	19.20	19.04												
10	256QAM	25	25	19.19	19.20	19.04												
10	256QAM	50	5	19.19	19.30	19.27												
10	256QAM	50	5	19.19	19.30	19.27												
Channel																		
Frequency (MHz)																		
5	QPSK	1	5	22.75	22.74	22.50			24	0								
5	QPSK	1	12	22.81	22.74	22.71												
5	QPSK	1	24	22.89	22.85	22.87												
5	QPSK	12	5	22.74	22.67	22.44												
5	QPSK	12	7	22.69	22.57	22.58												
5	QPSK	12	13	22.53	22.59	22.67			24	0								
5	QPSK	25	5	22.72	22.65	22.57												
5	16QAM	1	5	22.73	22.81	22.83												
5	16QAM	1	12	22.85	22.71	22.64												
5	16QAM	1	24	22.93	22.84	22.81												
5	16QAM	12	5	22.74	22.67	22.44			23	1								
5	16QAM	12	7	22.68	22.56	22.58												
5	16QAM	12	7	22.65	22.45	22.36												
5	16QAM	12	13	22.42	22.43	22.23												
5	16QAM	25	5	22.51	22.38	22.22												
5	64QAM	1	5	22.53	22.38	22.12			23	1								
5	64QAM	1	12	22.65	22.24	22.17												
5	64QAM	1	24	22.44	22.37	22.21												
5	64QAM	12	5	21.53	21.42	21.28												
5	64QAM	12	13	21.52	21.32	21.12												
5	256QAM	1	12	21.52	21.30	21.28			22	2								
5	256QAM	1	5	19.21	19.31	19.12												
5	256QAM	1	12	19.21	19.31	19.12												
5	256QAM	12	5	19.14	19.22	19.08												
5	256QAM	12	13	19.15	19.18	19.12												
5	256QAM	12	7	19.26	19.32	19.15												
5	256QAM	12	7	19.17	19.32	19.15												

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Time-up int (sec)	MFR (dB)	
Channel												
Frequency (MHz)				39765	40165	40565	40965	41365	41765			
20	QPSK	1	0	22.33	22.35	22.40	22.38	22.38	22.38			
20	QPSK	1	49	22.28	22.27	22.34	22.16	22.18	22.21	23.3	0	
20	QPSK	1	98	22.32	22.32	22.31	22.32	22.32	22.32			
20	QPSK	50	0	22.30	22.28	22.37	22.28	22.28	22.28			
20	QPSK	50	24	22.28	22.21	22.27	22.21	22.18	22.18	23	0.3	
20	QPSK	50	50	22.22	22.22	22.35	22.23	22.23	22.23			
20	QPSK	100	0	22.31	22.30	22.33	22.28	22.28	22.28			
20	16QAM	1	0	22.22	22.29	22.31	22.21	22.20	22.20	23	0.3	
20	16QAM	1	49	22.28	22.24	22.33	22.24	22.24	22.24			
20	16QAM	1	99	22.27	22.30	22.26	22.24	22.24	22.24			
20	16QAM	50	0	21.64	21.71	21.58	21.63	21.42	21.42			
20	16QAM	50	24	21.72	21.70	21.61	21.68	21.45	21.45	22	1.3	
20	16QAM	50	50	21.67	21.70	21.72	21.70	21.35	21.35			
20	16QAM	100	0	21.68	21.72	21.61	21.68	21.38	21.38			
20	16QAM	100	50	20.93	20.96	20.93	20.90	20.45	20.45			
20	64QAM	1	49	21.69	21.68	21.79	21.75	21.45	21.45	22	1.3	
20	64QAM	1	99	21.77	21.63	21.80	21.71	21.50	21.50			
20	64QAM	50	0	20.97	20.94	20.92	20.94	20.50	20.50	21	2.3	
20	64QAM	50	24	20.63	20.66	20.54	20.54	20.52	20.52			
20	64QAM	50	50	20.59	20.64	20.66	20.61	20.46	20.46			
20	64QAM	100	0	20.93	20.96	20.93	20.90	20.45	20.45			
20	256QAM	1	0	18.26	18.32	18.40	18.34	18.25	18.25			
20	256QAM	1	49	18.43	18.33	18.47	18.41	18.32	18.32	19	4.3	
20	256QAM	1	99	18.25	18.20	18.35	18.31	18.35	18.35			
20	256QAM	50	0	18.27	18.31	18.33	18.27	18.29	18.29			
20	256QAM	50	24	18.40	18.39	18.45	18.39	18.32	18.32	19	4.3	
20	256QAM	50	50	18.26	18.32	18.42	18.31	18.28	18.28			
20	256QAM	100	0	18.33	18.37	18.47	18.45	18.32	18.32			
Channel				39765	40165	40565	40965	41365	41765	Time-up int (sec)	MFR (dB)	
Frequency (MHz)				2699.3	2749.3	2809.3	2869.3	2929.3	2989.3			
15	QPSK	1	0	22.25	22.32	22.31	22.23	22.25	22.25	23.3	0	
15	QPSK	1	97	22.23	22.22	22.30	22.14	22.15	22.15			
15	QPSK	1	14	22.23	22.22	22.30	22.14	22.15	22.15			
15	QPSK	36	0	22.25	22.18	22.34	22.13	22.23	22.23	23	0.3	
15	QPSK	36	20	22.19	22.12	22.21	22.07	22.11	22.11			
15	QPSK	36	36	22.19	22.12	22.24	22.11	22.14	22.14			
15	16QAM	1	0	22.18	22.24	22.31	22.22	22.21	22.21	23	0.3	
15	16QAM	1	9	22.11	22.22	22.25	22.07	22.05	22.05			
15	16QAM	1	17	22.24	22.17	22.29	22.14	22.15	22.15			
15	16QAM	36	0	21.63	21.63	21.47	21.52	21.27	21.27	22	1.3	
15	16QAM	36	20	21.59	21.62	21.48	21.67	21.35	21.35			
15	16QAM	36	36	21.57	21.73	21.68	21.65	21.21	21.21			
15	16QAM	75	0	21.57	21.56	21.55	21.59	21.36	21.36			
15	64QAM	1	0	21.63	21.77	21.70	21.68	21.43	21.43	22	1.3	
15	64QAM	1	37	21.64	21.78	21.66	21.72	21.47	21.47			
15	64QAM	1	74	21.67	21.75	21.69	21.60	21.46	21.46			
15	64QAM	36	0	20.94	20.95	20.93	20.92	20.45	20.45	21	2.3	
15	64QAM	36	20	20.60	20.55	20.53	20.52	20.46	20.46			
15	64QAM	36	36	20.58	20.49	20.58	20.49	20.35	20.35			
15	64QAM	75	0	20.94	20.93	20.98	20.94	20.45	20.45			
15	256QAM	1	0	18.14	18.16	18.41	18.19	18.19	18.19	19	4.3	
15	256QAM	1	37	18.29	18.19	18.42	18.35	18.18	18.18			
15	256QAM	1	74	18.14	18.15	18.33	18.35	18.25	18.25			
15	256QAM	36	0	18.15	18.28	18.25	18.22	18.20	18.20			
15	256QAM	36	20	18.26	18.26	18.32	18.26	18.20	18.20	19	4.3	
15	256QAM	36	36	18.38	18.14	18.35	18.35	18.25	18.25			
15	256QAM	75	0	18.32	18.28	18.37	18.38	18.19	18.19			
Channel				39765	40165	40565	40965	41365	41765	Time-up int (sec)	MFR (dB)	
Frequency (MHz)				2699.3	2749.3	2809.3	2869.3	2929.3	2989.3			
10	QPSK	1	0	22.28	22.24	22.34	22.23	22.22	22.22	23.3	0	
10	QPSK	1	25	22.24	22.21	22.24	22.10	22.19	22.19			
10	QPSK	1	49	22.28	22.28	22.30	22.23	22.23	22.23			
10	QPSK	25	0	22.24	22.27	22.32	22.23	22.12	22.12	23	0.3	
10	QPSK	25	12	22.13	22.18	22.19	22.08	22.11	22.11			
10	QPSK	25	25	22.17	22.28	22.32	22.27	22.11	22.11			
10	16QAM	1	0	22.08	22.26	22.24	22.11	22.13	22.13	23	0.3	
10	16QAM	1	49	22.12	22.08	22.14	22.03	22.13	22.13			
10	16QAM	25	0	21.54	21.56	21.53	21.62	21.38	21.38	22	1.3	
10	16QAM	25	12	21.60	21.70	21.48	21.68	21.29	21.29			
10	16QAM	25	25	21.64	21.63	21.63	21.64	21.32	21.32			
10	16QAM	50	0	21.53	21.57	21.59	21.60	21.34	21.34			
10	64QAM	1	0	21.68	21.64	21.61	21.69	21.54	21.54	22	1.3	
10	64QAM	1	25	21.63	21.63	21.76	21.63	21.45	21.45			
10	64QAM	1	49	21.75	21.77	21.77	21.64	21.46	21.46			
10	64QAM	25	0	20.95	20.92	20.94	20.94	20.44	20.44	21	2.3	
10	64QAM	25	12	20.62	20.60	20.46	20.56	20.44	20.44			
10	64QAM	25	25	20.57	20.54	20.57	20.60	20.43	20.43			
10	64QAM	50	0	20.95	20.95	20.92	20.91	20.42	20.42			
10	256QAM	1	0	18.20	18.26	18.29	18.19	18.19	18.19	19	4.3	
10	256QAM	1	25	18.28	18.32	18.41	18.36	18.25	18.25			
10	256QAM	1	49	18.22	18.17	18.33	18.17	18.21	18.21			
10	256QAM	25	0	18.17	18.18	18.19	18.25	18.28	18.28			
10	256QAM	25	12	18.34	18.31	18.40	18.35	18.23	18.23	19	4.3	
10	256QAM	25	25	18.32	18.15	18.35	18.20	18.24	18.24			
10	256QAM	50	0	18.20	18.32	18.41	18.30	18.25	18.25			
Channel				39765	40165	40565	40965	41365	41765	Time-up int (sec)	MFR (dB)	
Frequency (MHz)				2699.3	2749.3	2809.3	2869.3	2929.3	2989.3			
5	QPSK	1	0	22.24	22.21	22.28	22.21	22.23	22.23	23.3	0	
5	QPSK	1	12	22.15	22.16	22.25	22.02	22.07	22.07			
5	QPSK	1	24	22.17	22.13	22.22	22.12	22.13	22.13			
5	QPSK	12	0	22.21	22.15	22.26	22.20	22.20	22.20	23	0.3	
5	QPSK	12	7	22.24	22.11	22.13	22.14	22.16	22.16			
5	QPSK	12	13	22.19	22.11	22.21	22.16	22.14	22.14			
5	QPSK	25	0	22.17	22.29	22.26	22.26	22.24	22.24	23	0.3	
5	16QAM	1	0	22.16	22.10	22.18	22.15	22.11	22.11			
5	16QAM	1	12	22.15	22.15	22.21	22.10	22.14	22.14			
5	16QAM	1	24	22.12	22.29	22.16	22.20	22.20	22.20			
5	16QAM	12	0	21.58	21.68	21.43	21.52	21.38	21.38	22	1.3	
5	16QAM	12	7	21.60	21.70	21.48	21.68	21.29	21.29			
5	16QAM	12	13	21.63	21.70	21.67	21.58	21.25	21.25			
5	16QAM	25	0	21.60	21.68	21.48	21.59	21.36	21.36			
5	64QAM	1	0	21.70	21.63	21.59	21.68	21.52	21.52	22	1.3	
5	64QAM	1	12	21.57	21.73	21.77	21.74	21.42	21.42			
5	64QAM	1	24	21.64	21.76	21.72	21.60	21.38	21.38			
5	64QAM	12	0	20.48	20.51	20.37	20.42	20.47	20.47	21	2.3	
5	64QAM	12	7	20.52	20.51	20.42	20.55	20.50	20.50			
5	64QAM	12	13	20.55	20.54	20.55	20.54	20.32	20.32			
5	64QAM	25	0	20.99	20.98	20.94	20.94	20.42	20.42			
5	64QAM	25	12	20.51	20.47	20.48	20.52	20.32	20.32			
5	64QAM	25	25	20.52	20.48	20.54	20.54	20.32	20.32			
5	256QAM	1	0	18.20	18.26	18.29	18.19	18.19	18.19	19	4.3	
5	256QAM											

Band 42_Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up Int. (ms)	MPE (dB)			
Channels											
Channel				42190	42190	42190					
20	QPSK	1	0	20.73	20.74	20.68					
20	QPSK	1	49	20.67	20.73	20.67	22	0			
20	QPSK	50	50	20.52	20.52	20.52					
20	QPSK	50	0	19.76	19.76	19.77					
20	QPSK	50	24	19.67	19.72	19.69	21	1			
20	QPSK	50	50	19.68	19.68	19.73					
20	QPSK	100	0	19.66	19.76	19.76					
20	16QAM	1	0	19.75	19.71	19.67					
20	16QAM	1	49	19.70	19.72	19.67	21	1			
20	16QAM	1	99	19.69	19.69	19.61					
20	16QAM	50	0	18.70	18.72	18.73					
20	16QAM	50	24	18.71	18.69	18.71	20	2			
20	16QAM	50	50	18.71	18.70	18.73					
20	16QAM	100	0	18.62	18.77	18.77					
20	16QAM	1	0	18.67	18.63	18.72					
20	16QAM	1	49	18.62	18.54	18.66	20	2			
20	16QAM	1	99	18.51	18.55	18.62					
20	16QAM	50	0	17.70	17.69	17.72					
20	16QAM	50	24	17.71	17.73	17.79	19	3			
20	16QAM	50	50	17.74	17.71	17.79					
20	16QAM	100	0	17.63	17.76	17.74					
20	256QAM	1	0	15.58	15.46	15.51					
20	256QAM	1	49	15.40	15.35	15.46	17	5			
20	256QAM	50	0	15.51	15.38	15.46					
20	256QAM	50	0	15.57	15.46	15.58					
20	256QAM	50	24	15.49	15.49	15.57					
20	256QAM	50	50	15.45	15.49	15.54	17	5			
20	256QAM	100	0	15.45	15.49	15.54					
Channels											
Channel				42165	42190	42015	Time-up Int. (ms)	MPE (dB)			
15	Frequency (MHz)	1	0	20.61	20.60	20.60					
15	QPSK	1	37	20.52	20.66	20.53	22	0			
15	QPSK	1	74	20.42	20.61	20.42					
15	QPSK	36	0	19.58	19.61	19.58					
15	QPSK	36	20	19.52	19.68	19.63	21	1			
15	QPSK	36	36	19.67	19.60	19.60					
15	QPSK	75	0	19.52	19.74	19.74					
15	16QAM	1	0	19.71	19.62	19.72					
15	16QAM	1	37	19.67	19.61	19.67	21	1			
15	16QAM	1	74	19.46	19.52	19.49					
15	16QAM	36	0	18.60	18.60	18.66					
15	16QAM	36	20	18.67	18.63	18.67	20	2			
15	16QAM	36	36	18.58	18.63	18.67					
15	16QAM	75	0	18.54	18.73	18.75					
15	16QAM	1	0	18.58	18.58	18.58					
15	16QAM	1	37	18.51	18.43	18.59	20	2			
15	16QAM	1	74	18.42	18.67	18.67					
15	16QAM	36	0	17.57	17.59	17.59					
15	16QAM	36	20	17.66	17.76	17.77	19	3			
15	16QAM	36	36	17.60	17.63	17.66					
15	16QAM	75	0	17.49	17.61	17.66					
15	256QAM	1	0	15.50	15.45	15.41					
15	256QAM	1	37	15.32	15.46	15.36	17	5			
15	256QAM	1	74	15.45	15.43	15.39					
15	256QAM	36	0	15.48	15.46	15.56					
15	256QAM	36	20	15.47	15.47	15.56	17	5			
15	256QAM	36	36	15.47	15.50	15.42					
15	256QAM	75	0	15.42	15.48	15.39					
Channels											
Channel				42140	42190	42040	Time-up Int. (ms)	MPE (dB)			
10	Frequency (MHz)	1	0	20.68	20.63	20.68					
10	QPSK	1	25	20.55	20.61	20.54	22	0			
10	QPSK	1	49	20.11	20.38	20.34					
10	QPSK	25	0	19.60	19.61	19.58					
10	QPSK	25	12	19.54	19.75	19.65	21	1			
10	QPSK	25	19	19.58	19.58	19.67					
10	QPSK	50	0	19.62	19.69	19.67					
10	16QAM	1	0	19.67	19.67	19.65					
10	16QAM	1	25	19.63	19.65	19.67	21	1			
10	16QAM	1	49	19.48	19.49	19.52					
10	16QAM	25	0	18.55	18.71	18.64					
10	16QAM	25	12	18.66	18.68	18.73					
10	16QAM	25	25	18.58	18.67	18.69	20	2			
10	16QAM	50	0	18.60	18.69	18.63					
10	16QAM	1	0	18.61	18.52	18.62					
10	16QAM	1	25	18.59	18.45	18.63	20	2			
10	16QAM	1	49	18.26	18.41	18.59					
10	16QAM	25	0	17.55	17.63	17.70					
10	16QAM	25	12	17.70	17.68	17.67	19	3			
10	16QAM	25	25	17.66	17.67	17.66					
10	16QAM	50	0	17.53	17.68	17.71					
10	256QAM	1	0	15.52	15.52	15.49					
10	256QAM	1	25	15.34	15.47	15.46	17	5			
10	256QAM	1	49	15.49	15.45	15.47					
10	256QAM	25	0	15.54	15.50	15.57					
10	256QAM	25	12	15.42	15.49	15.53					
10	256QAM	25	25	15.43	15.53	15.48	17	5			
10	256QAM	50	0	15.44	15.45	15.39					
Channels											
Channel				42115	42190	42065	Time-up Int. (ms)	MPE (dB)			
5	Frequency (MHz)	1	0	20.63	20.72	20.58					
5	QPSK	1	12	20.61	20.64	20.63	22	0			
5	QPSK	1	24	20.40	20.43	20.35					
5	QPSK	12	0	19.64	19.71	19.63					
5	QPSK	12	7	19.69	19.67	19.71	21	1			
5	QPSK	12	14	19.57	19.59	19.71					
5	QPSK	25	0	19.55	19.66	19.73					
5	16QAM	1	0	19.62	19.68	19.72					
5	16QAM	1	12	19.66	19.65	19.62	21	1			
5	16QAM	1	24	19.55	19.52	19.53					
5	16QAM	12	0	18.60	18.68	18.66					
5	16QAM	12	7	18.63	18.77	18.72					
5	16QAM	12	14	18.60	18.66	18.69	20	2			
5	16QAM	25	0	18.50	18.68	18.70					
5	16QAM	1	0	18.62	18.57	18.59					
5	16QAM	1	12	18.56	18.51	18.52	20	2			
5	16QAM	1	24	18.49	18.48	18.48					
5	16QAM	12	0	17.68	17.68	17.62					
5	16QAM	12	7	17.75	17.74	17.74	19	3			
5	16QAM	12	14	17.62	17.70	17.61					
5	16QAM	25	0	17.52	17.74	17.61					
5	256QAM	1	0	15.45	15.52	15.43					
5	256QAM	1	12	15.38	15.49	15.37	17	5			
5	256QAM	1	24	15.44	15.57	15.33					
5	256QAM	12	0	15.50	15.55	15.49					
5	256QAM	12	7	15.56	15.59	15.59					
5	256QAM	12	14	15.44	15.52	15.59	17	5			
5	256QAM	25	0	15.37	15.46	15.39					

Band 42_Ant 6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-up Int. (s)	MPE (dB)			
Channel											
Frequency [MHz]											
20	QPSK	1	0	22.52	22.55	22.51					
20	QPSK	1	49	22.43	22.44	22.48	23.2	0			
20	QPSK	1	99	22.51	22.40	22.44					
20	QPSK	50	0	22.44	22.39	22.31					
20	QPSK	50	24	22.18	22.42	22.43	23.2	0			
20	QPSK	50	50	22.41	22.16	22.32					
20	QPSK	100	0	22.28	22.41	22.38					
20	16QAM	1	0	22.31	22.50	22.52					
20	16QAM	1	49	22.22	22.23	22.62	23.2	0			
20	16QAM	1	99	21.95	22.49	22.29					
20	16QAM	50	0	22.31	22.52	22.52					
20	16QAM	50	24	22.32	22.25	22.43	23.2	0			
20	16QAM	50	50	22.32	22.43	22.41					
20	16QAM	100	0	22.42	22.34	22.31					
20	16QAM	1	49	22.51	22.45	22.45	23.2	0			
20	16QAM	1	99	22.56	22.51	22.26					
20	16QAM	50	0	22.43	22.44	22.48					
20	16QAM	50	24	22.44	22.43	22.43					
20	16QAM	50	50	22.32	22.43	22.41					
20	16QAM	100	0	22.42	22.34	22.31					
20	16QAM	1	0	18.81	19.91	19.94					
20	16QAM	1	49	18.90	20.02	20.18	21	2.2			
20	16QAM	1	99	19.14	19.14	19.18					
20	16QAM	50	0	19.07	20.06	19.99					
20	16QAM	50	24	20.04	20.13	20.05	21	2.2			
20	16QAM	50	50	19.16	19.16	19.18					
20	16QAM	100	0	20.05	20.13	20.07					
Channel											
Frequency [MHz]											
15	QPSK	1	0	22.45	22.55	22.49					
15	QPSK	1	37	22.37	22.37	22.38	23.2	0			
15	QPSK	1	74	22.40	22.34	22.34					
15	QPSK	36	0	22.38	22.50	22.48					
15	QPSK	36	20	22.09	22.34	22.33	23.2	0			
15	QPSK	36	39	22.53	22.07	22.27					
15	QPSK	20	0	22.44	22.37	22.38					
15	16QAM	1	0	22.26	22.41	22.43					
15	16QAM	1	37	22.14	22.12	22.54	23.2	0			
15	16QAM	1	74	22.37	22.37	22.38					
15	16QAM	36	0	22.25	22.46	22.34					
15	16QAM	36	20	22.25	22.20	22.24	23.2	0			
15	16QAM	36	39	22.44	22.37	22.40					
15	16QAM	75	0	22.37	22.38	22.37					
15	16QAM	1	0	22.00	22.50	21.99					
15	16QAM	1	37	22.24	22.27	22.40	23.2	0			
15	16QAM	1	74	22.41	22.44	22.15					
15	16QAM	36	0	22.26	22.50	22.41					
15	16QAM	36	20	22.26	22.20	22.24	23.2	0.2			
15	16QAM	36	39	22.24	22.37	22.31					
15	16QAM	75	0	22.36	22.36	22.36					
15	16QAM	1	0	19.73	19.86	19.97					
15	16QAM	1	37	19.81	19.94	19.85	21	2.2			
15	16QAM	1	74	19.97	19.97	19.97					
15	16QAM	36	0	19.91	20.00	19.98					
15	16QAM	36	20	19.97	19.08	20.00	21	2.2			
15	16QAM	36	39	20.00	20.00	20.00					
15	16QAM	75	0	19.95	20.03	20.00					
Channel											
Frequency [MHz]											
10	QPSK	1	0	22.40	22.55	22.44					
10	QPSK	1	26	22.34	22.34	22.43	23.2	0			
10	QPSK	1	49	22.43	22.34	22.36					
10	QPSK	12	0	22.38	22.50	22.48					
10	QPSK	20	12	22.08	22.37	22.36	23.2	0			
10	QPSK	20	26	22.36	22.11	22.24					
10	QPSK	12	0	22.33	22.33	22.33					
10	16QAM	1	0	22.25	22.41	22.46					
10	16QAM	1	26	22.15	22.14	22.54	23.2	0			
10	16QAM	1	49	22.44	22.34	22.33					
10	16QAM	25	0	22.23	22.45	22.24					
10	16QAM	25	12	22.26	22.19	22.24	23.2	0			
10	16QAM	25	26	22.42	22.15	22.24					
10	16QAM	50	0	22.40	22.42	22.21					
10	16QAM	1	0	22.01	22.50	21.98					
10	16QAM	25	0	22.31	22.37	22.39					
10	16QAM	25	12	22.41	22.44	22.45	23.2	0.2			
10	16QAM	25	26	22.27	22.38	22.32					
10	16QAM	50	0	22.12	22.46	22.15					
10	16QAM	1	0	19.71	19.84	19.95					
10	16QAM	1	26	19.82	19.92	19.84	21	2.2			
10	16QAM	1	49	19.95	19.96	19.96					
10	16QAM	25	0	19.89	19.98	19.94					
10	16QAM	25	12	19.98	19.06	19.96	21	2.2			
10	16QAM	25	26	20.00	20.00	20.00					
10	16QAM	50	0	19.95	20.04	20.00					
Channel											
Frequency [MHz]											
5	QPSK	1	0	22.42	22.55	22.45					
5	QPSK	1	12	22.33	22.38	22.38	23.2	0			
5	QPSK	1	24	22.46	22.35	22.35					
5	QPSK	12	0	22.30	22.50	22.48					
5	QPSK	12	12	22.08	22.32	22.36	23.2	0			
5	QPSK	12	24	22.31	22.09	22.28					
5	QPSK	24	0	22.24	22.34	22.34					
5	16QAM	1	0	22.21	22.43	22.44					
5	16QAM	1	12	22.13	22.16	22.61	23.2	0			
5	16QAM	1	24	22.45	22.35	22.35					
5	16QAM	12	0	22.26	22.47	22.24					
5	16QAM	12	12	22.22	22.19	22.26	23.2	0			
5	16QAM	12	24	22.32	22.38	22.38					
5	16QAM	25	0	22.41	22.38	22.15					
5	16QAM	1	0	22.03	22.52	21.92					
5	16QAM	12	0	22.37	22.39	22.40	23.2	0.2			
5	16QAM	12	12	22.25	22.37	22.21					
5	16QAM	25	0	22.13	22.43	22.17					
5	16QAM	25	12	22.43	22.38	22.38	23.2	0.2			
5	16QAM	1	12	19.85	19.92	19.83	21	2.2			
5	16QAM	1	24	19.93	19.95	19.93					
5	16QAM	12	7	19.96	20.06	19.95	21	2.2			
Channel											
Frequency [MHz]											
5	256QAM	12	13	19.97	20.08	20.04					
5	256QAM	12	13	19.97	20.04	19.97					



n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low 37500 KHz	Power MID 37500 KHz	Power High 37500 KHz	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	22.74	22.68	22.71			
20	P12 BPSK	1	53	22.67	22.59	22.65	24.0	0.0	
20	P12 BPSK	1	104	22.68	22.68	22.72			
20	P12 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	P12 BPSK	50	28	22.65	22.59	22.65	24.0	0.0	
20	P12 BPSK	50	56	22.66	22.60	22.61			
20	P12 BPSK	100	0	22.67	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.70	22.61	22.70			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.69	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.68	22.72	22.69	24.0	0.0	
20	QPSK	50	56	22.61	22.58	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.65			
20	16QAM	1	1	22.74	22.65	22.74	24.0	0.0	
20	64QAM	1	1	21.88	21.80	21.85	22.0	2.0	
20	256QAM	1	1	20.09	19.98	20.00	21.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.73	18.70	18.73	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.69	22.58	22.67	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	20.50	20.58	20.51			
20	P12 BPSK	1	53	20.52	20.54	20.48	22.0	0.0	
20	P12 BPSK	1	104	20.50	20.52	20.51			
20	P12 BPSK	50	0	20.45	20.52	20.43	22.0	0.0	
20	P12 BPSK	50	28	20.49	20.47	20.45	22.0	0.0	
20	P12 BPSK	50	56	20.50	20.47	20.45			
20	P12 BPSK	100	0	20.42	20.50	20.44	22.0	0.0	
Channel									
20	QPSK	1	1	20.53	20.60	20.51			
20	QPSK	1	53	20.43	20.52	20.41	22.0	0.0	
20	QPSK	1	104	20.48	20.52	20.41			
20	QPSK	50	0	20.45	20.54	20.53	22.0	0.0	
20	QPSK	50	28	20.51	20.55	20.54	22.0	0.0	
20	QPSK	50	56	20.51	20.49	20.48	22.0	0.0	
20	QPSK	100	0	20.43	20.57	20.52			
20	16QAM	1	1	20.45	20.49	20.41	22.0	0.0	
20	64QAM	1	1	20.45	20.45	20.52	21.5	0.5	
20	256QAM	1	1	18.52	18.44	18.30	19.5	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.47	20.55	20.53	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.45	20.40	20.52	22.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.51	20.48	20.43	22.0	0.0	

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	21.18	21.24	21.11			
20	P12 BPSK	1	53	21.13	21.19	21.09	23.0	0.0	
20	P12 BPSK	1	104	21.54	21.38	21.21			
20	P12 BPSK	50	0	21.21	21.22	21.12	23.0	0.0	
20	P12 BPSK	50	28	21.18	21.20	21.19	23.0	0.0	
20	P12 BPSK	50	56	21.10	21.38	21.11	23.0	0.0	
20	P12 BPSK	100	0	21.22	21.27	21.13			
20	QPSK	1	1	21.20	21.29	21.25			
20	QPSK	1	53	21.24	21.19	21.16	23.0	0.0	
20	QPSK	1	104	21.13	21.24	21.18			
20	QPSK	50	0	21.20	21.24	21.12	23.0	0.0	
20	QPSK	50	28	21.25	21.35	21.21	23.0	0.0	
20	QPSK	50	56	21.22	21.15	21.16	23.0	0.0	
20	QPSK	100	0	21.17	21.34	21.12			
20	16QAM	1	1	20.61	20.58	20.49	21.5	1.5	
20	256QAM	1	1	18.58	18.53	18.40	19.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.11	21.15	21.20	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.10	21.15	21.13	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.24	21.18	21.17	23.0	0.0	



n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Middle Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PLQ BPSK	1	1	22.80	22.82	22.77			
20	PLQ BPSK	1	53	22.87	22.84	22.88	24.0	0.0	
20	PLQ BPSK	1	104	22.96	22.95	22.97			
20	PLQ BPSK	56	0	22.71	22.71	22.83	23.5	0.5	
20	PLQ BPSK	55	28	22.68	22.66	22.68	24.0	0.0	
20	PLQ BPSK	56	56	22.95	22.99	22.94	23.5	0.5	
20	PLQ BPSK	104	0	22.72	22.73	22.87	23.5	0.5	
20	QPSK	1	1	22.95	22.94	22.77			
20	QPSK	1	53	22.72	22.68	22.84	24.0	0.0	
20	QPSK	1	104	22.98	22.98	22.95			
20	QPSK	55	5	22.70	22.74	22.70	23.0	1.0	
20	QPSK	56	28	22.75	22.75	22.75	24.0	0.0	
20	QPSK	56	56	22.85	22.98	22.64			
20	QPSK	105	0	22.81	22.97	22.84	23.0	1.0	
20	16QAM	1	1	22.51	22.50	22.44	23.0	1.0	
20	16QAM	1	1	21.42	21.42	21.36	21.5	2.5	
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	831.5	830.5	841.5			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.78	22.71	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.78	22.67	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.72	22.73	22.87	24.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Middle Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PLQ BPSK	1	1	22.81	22.98	22.96			
20	PLQ BPSK	1	53	22.61	22.49	22.90	24.0	0.0	
20	PLQ BPSK	1	104	22.90	22.46	22.44			
20	PLQ BPSK	56	0	22.59	22.96	22.54	23.5	0.5	
20	PLQ BPSK	56	28	22.59	22.54	22.90	24.0	0.0	
20	PLQ BPSK	56	56	22.92	22.47	22.44			
20	PLQ BPSK	104	0	22.53	22.49	22.48	23.5	0.5	
20	QPSK	1	1	22.95	22.83	22.94			
20	QPSK	1	53	22.95	22.96	22.93	24.0	0.0	
20	QPSK	1	104	22.98	22.92	22.90			
20	QPSK	56	0	22.50	22.83	22.53	23.0	1.0	
20	QPSK	56	28	22.57	22.80	22.94	24.0	0.0	
20	QPSK	56	56	22.47	22.44	22.43	23.0	1.0	
20	QPSK	105	0	22.47	22.46	22.43			
20	16QAM	1	1	22.50	22.99	22.95	23.0	1.0	
20	16QAM	1	1	20.68	20.67	20.94	21.5	2.5	
20	256QAM	1	1	18.95	18.97	18.93	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	831.5	830.5	841.5			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.66	22.47	22.46	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.64	22.40	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.51	22.43	22.49	24.0	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Middle Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PLQ BPSK	1	1	22.71	22.77	22.72			
40	PLQ BPSK	1	108	22.81	22.78	22.75	23.5	0.0	
40	PLQ BPSK	1	214	22.72	22.76	22.70			
40	PLQ BPSK	108	0	22.62	22.76	22.75	23.5	0.0	
40	PLQ BPSK	108	54	22.69	22.78	22.68	23.5	0.0	
40	PLQ BPSK	108	108	22.69	22.68	22.70	23.5	0.0	
40	PLQ BPSK	216	0	22.67	22.77	22.65			
40	QPSK	1	1	22.70	22.90	22.90			
40	QPSK	1	108	22.74	22.77	22.78	23.5	0.0	
40	QPSK	1	214	22.63	22.79	22.70			
40	QPSK	108	0	22.65	22.75	22.70	23.5	0.0	
40	QPSK	108	54	22.60	22.76	22.75	23.5	0.0	
40	QPSK	108	108	22.66	22.77	22.68	23.5	0.0	
40	QPSK	216	0	22.66	22.75	22.71			
40	16QAM	1	1	22.74	22.87	22.75	23.5	0.0	
40	16QAM	1	1	21.88	21.74	21.81	22.0	1.5	
40	256QAM	1	1	19.84	19.90	19.80	21.0	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.73	22.74	22.79	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.61	22.70	22.69	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.67	22.68	22.69	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.72	22.79	22.73	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.72	22.79	22.69	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.60	22.78	22.71	23.5	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (504000)	Power Middle Ch. Freq. (507000)	Power High Ch. Freq. (510000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	21.62	21.63	21.63			
40	PSSBPSK	1	108	21.55	21.69	21.49	22.5	0.0	
40	PSSBPSK	1	214	21.52	21.58	21.57			
40	PSSBPSK	108	0	21.56	21.67	21.67	22.5	0.0	
40	PSSBPSK	108	54	21.58	21.58	21.59	22.5	0.0	
40	PSSBPSK	108	108	21.62	21.65	21.56			
40	PSSBPSK	216	0	21.64	21.68	21.47	22.5	0.0	
40	QPSK	1	1	21.62	21.70	21.62			
40	QPSK	1	108	21.52	21.57	21.57	22.5	0.0	
40	QPSK	1	214	21.56	21.61	21.63			
40	QPSK	108	0	21.58	21.61	21.59	22.5	0.0	
40	QPSK	108	54	21.62	21.68	21.51	22.5	0.0	
40	QPSK	108	108	21.63	21.66	21.63	22.5	0.0	
40	QPSK	216	0	21.63	21.65	21.58			
40	16QAM	1	1	21.52	21.59	21.54	22.5	0.0	
40	64QAM	1	1	20.60	20.70	20.67	21.5	1.0	
40	256QAM	1	1	19.07	19.16	19.13	19.5	3.0	
Channel									
				522000	525000	528000	Tune-up limit (dBm)	UMPR	
30	QPSK	1	1	21.60	21.63	21.60	22.5	0.0	
Channel									
				522250	525250	528250	Tune-up limit (dBm)	UMPR	
25	QPSK	1	1	21.58	21.68	21.63	22.5	0.0	
Channel									
				522250	525250	528250	Tune-up limit (dBm)	UMPR	
30	QPSK	1	1	21.62	21.68	21.63	22.5	0.0	
Channel									
				531000	537000	543000	Tune-up limit (dBm)	UMPR	
15	QPSK	1	1	21.63	21.65	21.63	22.5	0.0	
Channel									
				531000	537000	543000	Tune-up limit (dBm)	UMPR	
10	QPSK	1	1	21.60	21.66	21.63	22.5	0.0	
Channel									
				536000	537000	543000	Tune-up limit (dBm)	UMPR	
5	QPSK	1	1	21.59	21.58	21.61	22.5	0.0	

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low 504000	Power Middle 507000	Power High 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				504000	507000	510000	25.95		
40	PSSBPSK	1	1	19.46	19.57	19.38			
40	PSSBPSK	1	108	19.43	19.58	19.40	21.0	0.0	
40	PSSBPSK	1	214	19.42	19.45	19.42			
40	PSSBPSK	108	0	19.54	19.59	19.51	21.0	0.0	
40	PSSBPSK	108	54	19.49	19.45	19.40	21.0	0.0	
40	PSSBPSK	108	108	19.54	19.45	19.47			
40	PSSBPSK	216	0	19.47	19.44	19.41	21.0	0.0	
40	QPSK	1	1	19.52	19.59	19.52			
40	QPSK	1	108	19.41	19.44	19.40	21.0	0.0	
40	QPSK	1	214	19.53	19.48	19.39			
40	QPSK	108	0	19.51	19.54	19.42	21.0	0.0	
40	QPSK	108	54	19.53	19.57	19.50	21.0	0.0	
40	QPSK	108	108	19.41	19.52	19.47	21.0	0.0	
40	QPSK	216	0	19.45	19.51	19.43			
40	16QAM	1	1	19.46	19.46	19.40	21.0	0.0	
40	64QAM	1	1	19.40	19.50	19.51	19.5	0.0	
40	256QAM	1	1	18.58	18.69	18.64	18.5	1.5	
Channel									
				522000	525000	528000	25.95	25.95	
30	QPSK	1	1	19.54	19.48	19.40	21.0	0.0	
Channel									
				525250	528250	531250	25.12.5	25.12.5	
25	QPSK	1	1	19.44	19.48	19.47	21.0	0.0	
Channel									
				525250	528250	531250	25.10	25.10	
30	QPSK	1	1	19.43	19.52	19.40	21.0	0.0	
Channel									
				531500	537000	542500	25.07.5	25.07.5	
15	QPSK	1	1	19.49	19.44	19.30	21.0	0.0	
Channel									
				531500	537000	542500	25.00	25.00	
10	QPSK	1	1	19.50	19.53	19.50	21.0	0.0	
Channel									
				536000	537000	543000	25.02.5	25.02.5	
5	QPSK	1	1	19.54	19.58	19.47	21.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 347000	Power High Ch. Freq. 348000	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	21.68	21.77	21.73			
40	PSSBPSK	1	108	21.74	21.84	21.72	23.0		0.0
40	PSSBPSK	1	214	21.73	21.86	21.72			
40	PSSBPSK	108	0	21.67	21.82	21.68	23.0		0.0
40	PSSBPSK	108	54	21.74	21.76	21.70	23.0		0.0
40	PSSBPSK	108	108	21.72	21.81	21.64			
40	PSSBPSK	216	0	21.79	21.85	21.62	23.0		0.0
40	QPSK	1	1	21.62	21.88	21.71			
40	QPSK	1	108	21.67	21.78	21.61	23.0		0.0
40	QPSK	1	214	21.72	21.85	21.72			
40	QPSK	108	0	21.76	21.82	21.65	23.0		0.0
40	QPSK	108	54	21.73	21.82	21.72	23.0		0.0
40	QPSK	108	108	21.68	21.79	21.61	23.0		0.0
40	QPSK	216	0	21.75	21.83	21.70			
40	16QAM	1	1	21.65	21.75	21.72	23.0		0.0
40	64QAM	1	1	21.75	21.85	21.50	22.0		1.0
40	256QAM	1	1	20.34	20.28	20.08	21.0		2.0
Channel									
				346000	347000	348000	17.05	17.05	
30	QPSK	1	1	17.75	17.45	17.65	23.0		0.0
Channel									
				344000	345000	346000	17.05	17.05	
20	QPSK	1	1	17.90	17.45	17.70	23.0		0.0
Channel									
				345000	34450	34400	17.17.5	17.17.5	
15	QPSK	1	1	17.46	17.86	17.73	23.0		0.0
Channel									
				345000	344000	343000	17.15	17.15	
10	QPSK	1	1	17.72	17.83	17.69	23.0		0.0
Channel									
				345000	344000	343000	17.12.5	17.12.5	
5	QPSK	1	1	17.60	17.77	17.70	23.0		0.0

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1740	1745	1750			
40	PUSC-BPSK	1	1	20.77	20.79	20.74			
40	PUSC-BPSK	1	108	20.70	20.81	20.75	22.0	0.0	
40	PUSC-BPSK	1	214	20.77	20.73	20.76			
40	PUSC-BPSK	108	0	20.68	20.75	20.69	22.0	0.0	
40	PUSC-BPSK	108	54	20.69	20.75	20.71	22.0	0.0	
40	PUSC-BPSK	108	108	20.68	20.84	20.75			
40	PUSC-BPSK	216	0	20.68	20.73	20.73	22.0	0.0	
40	QPSK	1	1	20.73	20.86	20.59			
40	QPSK	1	108	20.74	20.76	20.75	22.0	0.0	
40	QPSK	1	214	20.69	20.73	20.77			
40	QPSK	108	0	20.74	20.82	20.72	22.0	0.0	
40	QPSK	108	54	20.71	20.85	20.76	22.0	0.0	
40	QPSK	108	108	20.64	20.80	20.77	22.0	0.0	
40	QPSK	216	0	20.63	20.79	20.73			
40	16QAM	1	1	20.71	20.84	20.73	22.0	0.0	
40	64QAM	1	1	20.70	20.74	20.86	21.5	0.5	
40	256QAM	1	1	19.23	19.24	19.00	19.5	2.5	
Channel									
Frequency (MHz)				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.65	17.65	17.65			
	Channel			20.65	20.75	20.68	22.0	0.0	
Frequency (MHz)				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.60	17.65	17.70			
	Channel			20.70	20.80	20.72	22.0	0.0	
Frequency (MHz)				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.60	17.65	17.72.5			
	Channel			20.60	20.80	20.69	22.0	0.0	
Frequency (MHz)				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.15	17.45	17.75			
	Channel			20.77	20.78	20.75	22.0	0.0	
Frequency (MHz)				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.12.5	17.45	17.77.5			
	Channel			20.72	20.82	20.78	22.0	0.0	

n66_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel				1740	1745	1746			
Frequency (MHz)									
40	PUSC-BPSK	1	1	22.41	22.45	22.38			
40	PUSC-BPSK	1	108	22.47	22.49	22.32	24.0	0.0	
40	PUSC-BPSK	1	214	22.42	22.43	22.27			
40	PUSC-BPSK	108	0	22.07	22.08	21.89	23.5	0.5	
40	PUSC-BPSK	108	54	22.47	22.50	22.34	24.0	0.0	
40	PUSC-BPSK	108	108	22.03	22.05	21.87	23.5	0.5	
40	PUSC-BPSK	216	0	22.08	22.10	21.90			
40	QPSK	1	1	22.40	22.53	22.07			
40	QPSK	1	108	22.43	22.48	22.27	24.0	0.0	
40	QPSK	1	214	22.48	22.50	22.30			
40	QPSK	108	0	21.58	21.59	21.41	23.0	1.0	
40	QPSK	108	54	21.65	22.07	21.30	24.0	0.0	
40	QPSK	108	108	21.43	21.46	21.27	23.0	1.0	
40	QPSK	216	0	21.55	21.59	21.38			
40	16QAM	1	1	21.35	21.41	21.21	23.0	1.0	
40	64QAM	1	1	19.95	20.01	19.81	21.5	2.5	
40	256QAM	1	1	18.34	18.35	18.15	19.5	4.5	
Channel				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.35	22.38	22.27	24.0	0.0	
Channel				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.34	22.40	22.31	24.0	1.0	
Channel				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.39	22.41	22.24	24.0	1.0	
Channel				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.44	22.39	22.24	24.0	1.0	
Channel				17500	17500	17500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.40	22.47	22.20	24.0	0.0	



n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				21.52	21.55	21.58			
40	PSSBPSK	1	1	21.52	21.55	21.58			
40	PSSBPSK	1	53	21.48	21.48	21.42	22.5	0.0	
40	PSSBPSK	1	104	21.43	21.56	21.48			
40	PSSBPSK	50	5	21.49	21.58	21.45	22.5	0.0	
40	PSSBPSK	50	26	21.55	21.58	21.43	22.5	0.0	
40	PSSBPSK	50	56	21.43	21.54	21.54			
40	PSSBPSK	100	5	21.54	21.59	21.48	22.5	0.0	
40	QPSK	1	1	21.52	21.52	21.52			
40	QPSK	1	53	21.44	21.52	21.52	22.5	0.0	
40	QPSK	1	104	21.43	21.48	21.48			
40	QPSK	50	5	21.50	21.57	21.46			
40	QPSK	50	26	21.52	21.59	21.52	22.5	0.0	
40	QPSK	50	56	21.49	21.52	21.51			
40	QPSK	100	5	21.48	21.55	21.49	22.5	0.0	
40	64QAM	1	1	21.52	21.52	21.44	22.5	0.0	
40	64QAM	1	1	21.52	21.51	21.47	22.5	0.0	
40	256QAM	1	1	20.12	20.08	20.18	21.0	1.5	
Channel				\$17000	\$18000	\$19000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.85	20.95	20.85			
30	QPSK	1	1	21.48	21.54	21.53	22.5	0.0	
Channel				\$16000	\$17000	\$18000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.80	20.95	20.10			
20	QPSK	1	1	21.51	21.54	21.48	22.5	0.0	
Channel				\$15000	\$16000	\$17000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.77.5	20.95	20.12.5			
15	QPSK	1	1	21.54	21.50	21.40	22.5	0.0	
Channel				\$14000	\$15000	\$16000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.75	20.95	20.15			
10	QPSK	1	1	21.52	21.59	21.54	22.5	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power Mode Ch. F (Hz)	Power High Ch. F (Hz)	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18000	\$19000	\$20000			
Frequency (MHz)				21.53	21.56	21.59			
40	PSSBPSK	1	1	21.53	21.73	21.52			
40	PSSBPSK	1	53	21.64	21.64	21.52	22.5	0.0	
40	PSSBPSK	1	104	21.62	21.72	21.57			
40	PSSBPSK	50	5	21.60	21.64	21.64	22.5	0.0	
40	PSSBPSK	50	26	21.50	21.58	21.59	22.5	0.0	
40	PSSBPSK	50	56	21.58	21.68	21.67			
40	PSSBPSK	100	5	21.65	21.61	21.60	22.5	0.0	
40	QPSK	1	1	21.53	21.75	21.59			
40	QPSK	1	53	21.49	21.79	21.61	22.5	0.0	
40	QPSK	1	104	21.65	21.59	21.61			
40	QPSK	50	5	21.54	21.71	21.61			
40	QPSK	50	26	21.55	21.74	21.54	22.5	0.0	
40	QPSK	50	56	21.59	21.65	21.54			
40	QPSK	100	5	21.59	21.63	21.59	22.5	0.0	
40	64QAM	1	1	21.69	21.70	21.49	22.5	0.0	
40	64QAM	1	1	20.67	20.79	20.75	21.5	1.0	
40	256QAM	1	1	19.11	19.24	19.22	19.5	3.0	
Channel				\$17000	\$18000	\$19000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.85	20.95	20.85			
30	QPSK	1	1	21.64	21.56	21.35	22.5	0.0	
Channel				\$16000	\$17000	\$18000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.80	20.95	20.10			
20	QPSK	1	1	21.57	21.69	21.50	22.5	0.0	
Channel				\$15000	\$16000	\$17000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.77.5	20.95	20.12.5			
15	QPSK	1	1	21.67	21.61	21.57	22.5	0.0	
Channel				\$14000	\$15000	\$16000	QPSK 100	MPR (dB)	
Frequency (MHz)				20.75	20.95	20.15			
10	QPSK	1	1	21.59	21.55	21.49	22.5	0.0	

n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				20.09	20.09	20.09			
40	PQ2 BPSK	1	1	20.11	20.08	20.17			
40	PQ2 BPSK	1	53	20.18	20.16	20.08	22.0	0.0	
40	PQ2 BPSK	1	104	20.28	20.13	20.17			
40	PQ2 BPSK	50	5	20.24	20.21	20.11	22.0	0.0	
40	PQ2 BPSK	50	28	20.06	20.19	20.12	22.0	0.0	
40	PQ2 BPSK	50	58	20.17	20.25	20.14	22.0	0.0	
40	PQ2 BPSK	100	5	20.16	20.31	20.12			
40	QPSK	1	1	20.24	20.33	20.20			
40	QPSK	1	53	20.14	20.29	20.20	22.0	0.0	
40	QPSK	1	104	20.24	20.26	20.21			
40	QPSK	50	5	20.19	20.26	20.19			
40	QPSK	50	28	20.22	20.32	20.21	22.0	0.0	
40	QPSK	50	58	20.19	20.18	20.15			
40	QPSK	100	5	20.18	20.27	20.08	22.0	0.0	
40	16QAM	1	1	20.19	20.26	20.12	22.0	0.0	
40	64QAM	1	1	20.14	20.21	20.22	21.5	0.5	
40	256QAM	1	1	18.22	18.28	18.28	19.5	2.5	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.05	20.05	20.05			
30	QPSK	1	1	20.16	20.23	20.15	22.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.00	20.00	20.10			
20	QPSK	1	1	20.15	20.26	20.19	22.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.175	20.06	20.125			
15	QPSK	1	1	20.13	20.19	20.22	22.0	0.0	
Channel				519000	519000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.15	20.06	20.15			
10	QPSK	1	1	20.22	20.30	20.10	22.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				505000	518000	520000			
Frequency (MHz)				21.64.01	21.62.00	21.64.00			
100	PQ2 BPSK	1	1	21.63	21.60	21.64			
100	PQ2 BPSK	1	137	21.56	21.70	21.59	22.5	0.0	
100	PQ2 BPSK	1	271	21.69	21.66	21.69			
100	PQ2 BPSK	135	5	21.65	21.71	21.60	22.5	0.0	
100	PQ2 BPSK	135	69	21.56	21.70	21.64	22.5	0.0	
100	PQ2 BPSK	135	138	21.63	21.74	21.61	22.5	0.0	
100	PQ2 BPSK	270	5	21.62	21.65	21.68			
100	QPSK	1	1	21.70	21.70	21.72			
100	QPSK	1	137	21.58	21.63	21.58	22.5	0.0	
100	QPSK	1	271	21.59	21.62	21.64			
100	QPSK	135	5	21.66	21.61	21.67			
100	QPSK	135	69	21.68	21.74	21.68	22.5	0.0	
100	QPSK	135	138	21.64	21.72	21.66			
100	QPSK	270	5	21.65	21.73	21.60	22.5	0.0	
100	8QAM	1	1	21.28	21.72	21.60	22.5	0.0	
100	8QAM	1	1	21.67	21.74	21.70	22.5	0.0	
100	256QAM	1	1	20.31	20.25	20.25	21.0	1.5	
Channel				518000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				21.61	20.02.00	20.04.00			
90	QPSK	1	1	21.55	21.63	21.52	22.5	0.0	
Channel				517000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.50.02	20.02.00	20.49.00			
80	QPSK	1	1	21.56	21.51	21.53	22.5	0.0	
Channel				515000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.51.01	20.02.00	20.55			
70	QPSK	1	1	21.50	21.52	21.49	22.5	0.0	
Channel				513000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				21.50.03	20.02.00	20.50.00			
60	QPSK	1	1	21.51	21.60	21.47	22.5	0.0	
Channel				512000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.51.02	20.02.00	20.54.00			
50	QPSK	1	1	21.51	21.51	21.51	22.5	0.0	
Channel				510000	518000	520000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.50.01	20.02.00	20.70			
40	QPSK	1	1	21.49	21.59	21.55	22.5	0.0	
Channel				509000	510000	516000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				21.11	20.02.00	20.74.00			
30	QPSK	1	1	21.58	21.53	21.51	22.5	0.0	
Channel				508000	510000	516000	Tune-up test (dBm)	MPR (dB)	
Frequency (MHz)				20.02.02	20.02.00	20.79.00			
20	QPSK	1	1	21.45	21.61	21.58	22.5	0.0	



FCC_n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				506002	516568	526900			
Frequency (MHz)				2446.81	2542.93	2644			
100	PQ2 BPSK	1	1	21.68	21.75	21.83			
100	PQ2 BPSK	1	137	21.68	21.70	21.82	22.5	0.0	
100	PQ2 BPSK	1	271	21.70	21.77	21.82			
100	PQ2 BPSK	135	5	21.68	21.75	21.76	22.5	0.0	
100	PQ2 BPSK	135	69	21.62	21.71	21.70	22.5	0.0	
100	PQ2 BPSK	135	135	21.71	21.73	21.88			
100	PQ2 BPSK	270	5	21.70	21.69	21.70	22.5	0.0	
100	QPSK	1	1	21.72	21.82	21.77			
100	QPSK	1	137	21.62	21.76	21.87	22.5	0.0	
100	QPSK	1	271	21.74	21.70	21.86			
100	QPSK	135	5	21.68	21.74	21.82			
100	QPSK	135	69	21.72	21.76	21.84	22.5	0.0	
100	QPSK	135	135	21.70	21.68	21.85			
100	QPSK	270	5	21.69	21.73	21.82	22.5	0.0	
100	8QAM	1	1	21.71	21.80	21.83	22.5	0.0	
100	8QAM	1	1	21.68	20.96	20.94	21.5	1.0	
100	256QAM	1	1	18.89	18.76	18.74	19.5	3.0	
Channel				506002	516568	526900			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.61	21.89	21.85	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2636.02	2592.99	2644.99			
80	QPSK	1	1	21.73	21.69	21.75	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2631.01	2592.99	2635			
70	QPSK	1	1	21.66	21.81	21.86	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2626	2592.99	2638.98			
60	QPSK	1	1	21.89	21.80	21.85	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2621.02	2592.99	2644.99			
50	QPSK	1	1	21.74	21.76	21.86	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	21.68	21.67	21.66	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	21.60	21.77	21.64	22.5	0.0	
Channel				506002	516568	526900			
Frequency (MHz)				2606.02	2592.99	2678.99			
20	QPSK	1	1	21.68	21.76	21.75	22.5	0.0	

Par27Q_n78_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				19.59					
100	PQ2 BPSK	1	1	19.59					
100	PQ2 BPSK	1	137	19.67			20.5	0.0	
100	PQ2 BPSK	1	271	19.55					
100	PQ2 BPSK	135	5	19.62			20.5	0.0	
100	PQ2 BPSK	135	69	19.69			20.5	0.0	
100	PQ2 BPSK	135	135	19.66			20.5	0.0	
100	PQ2 BPSK	270	5	19.68			20.5	0.0	
100	QPSK	1	1	19.70					
100	QPSK	1	137	19.58			20.5	0.0	
100	QPSK	1	271	19.67					
100	QPSK	135	5	19.55					
100	QPSK	135	69	19.62			20.5	0.0	
100	QPSK	135	135	19.59			20.5	0.0	
100	QPSK	270	5	19.63			20.5	0.0	
100	8QAM	1	1	19.64			20.5	0.0	
100	8QAM	1	1	19.66			20.5	0.0	
100	256QAM	1	1	19.68			20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	19.63	19.53	19.65	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3499.02	3499.98	3510			
80	QPSK	1	1	19.62	19.58	19.61	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	19.64	19.53	19.60	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	19.54	19.63	19.55	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	19.54	19.59	19.58	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.56	19.65	19.53	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	19.61	19.62	19.64	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.61	19.61	19.61	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3457.5	3499.98	3542.40			
15	QPSK	1	1	19.59	19.61	19.62	20.5	0.0	
Channel				633332	633332	633332			
Frequency (MHz)				3455.01	3499.98	3544.90			
10	QPSK	1	1	19.62	19.61	19.64	20.5	0.0	

Par27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mids Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				19.98					
100	PQ2 BPSK	1	1	19.98					
100	PQ2 BPSK	1	137	19.94			21.0	0.0	
100	PQ2 BPSK	1	271	19.91					
100	PQ2 BPSK	135	5	19.93			21.0	0.0	
100	PQ2 BPSK	135	69	19.88			21.0	0.0	
100	PQ2 BPSK	135	138	19.95			21.0	0.0	
100	PQ2 BPSK	270	5	19.85			21.0	0.0	
100	QPSK	1	1	20.00					
100	QPSK	1	137	19.97			21.0	0.0	
100	QPSK	1	271	19.85					
100	QPSK	135	5	19.81					
100	QPSK	135	69	19.87			21.0	0.0	
100	QPSK	135	138	19.79			21.0	0.0	
100	QPSK	270	5	19.73			21.0	0.0	
100	16QAM	1	1	19.75			21.0	0.0	
100	16QAM	1	1	18.46			19.0	2.0	
100	256QAM	1	1	17.21			17.5	3.5	
Channel				633300	633332	633368	Tune-up Int.	MPR	
Frequency (MHz)				3485	3499.98	3504.99			
90	QPSK	1	1	19.96	19.91	19.92	21.0	0.0	
Channel				633368	633332	633300	Tune-up Int.	MPR	
Frequency (MHz)				3495.01	3499.98	3504.99			
80	QPSK	1	1	19.92	19.83	19.92	21.0	0.0	
Channel				633332	633332	633332	Tune-up Int.	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	19.93	19.89	19.93	21.0	0.0	
Channel				633332	633332	633368	Tune-up Int.	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
60	QPSK	1	1	19.95	19.90	19.96	21.0	0.0	
Channel				633368	633332	633300	Tune-up Int.	MPR	
Frequency (MHz)				3495.01	3499.98	3504.99			
50	QPSK	1	1	19.95	19.95	19.95	21.0	0.0	
Channel				633332	633332	633332	Tune-up Int.	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98			
40	QPSK	1	1	19.98	19.90	19.88	21.0	0.0	
Channel				633300	633332	633368	Tune-up Int.	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98			
30	QPSK	1	1	19.87	19.85	19.87	21.0	0.0	
Channel				633368	633332	633300	Tune-up Int.	MPR	
Frequency (MHz)				3495.01	3499.98	3504.99			
20	QPSK	1	1	19.90	19.91	19.92	21.0	0.0	
Channel				633300	633332	633368	Tune-up Int.	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98			
15	QPSK	1	1	19.94	19.92	19.92	21.0	0.0	
Channel				633332	633332	633332	Tune-up Int.	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98			
10	QPSK	1	1	19.94	19.88	19.88	21.0	0.0	



Par27Q n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3439.98					
100	PI2 BPSK	1	1		20.19		21.0	0.0	
100	PI2 BPSK	1	137		20.20				
100	PI2 BPSK	1	271		20.18				
100	PI2 BPSK	135	5		20.15		21.0	0.0	
100	PI2 BPSK	135	69		20.20		21.0	0.0	
100	PI2 BPSK	135	138		20.15		21.0	0.0	
100	PI2 BPSK	270	5		20.16		21.0	0.0	
100	QPSK	1	1		20.20		21.0	0.0	
100	QPSK	1	137		20.19				
100	QPSK	1	271		20.13				
100	QPSK	135	5		20.13		21.0	0.0	
100	QPSK	135	69		20.22				
100	QPSK	135	138		20.13				
100	QPSK	270	5		20.18		21.0	0.0	
100	ISQAM	1	1		20.16		21.0	0.0	
100	ISQAM	1	1		20.22		21.0	0.0	
100	25GQAM	1	1		20.15		21.0	0.0	
Channel				433000	433215	433390	Tune-up test (dBm)		
Frequency (MHz)				3495	3499.98	3504.99	(dBm)		
90	QPSK	1	1	20.11	20.23	20.18	21.0	0.0	
Channel				433215	433215	433390	Tune-up test (dBm)		
Frequency (MHz)				3490.02	3499.98	3510	(dBm)		
80	QPSK	1	1	20.17	20.21	20.19	21.0	0.0	
Channel				433215	433215	433390	Tune-up test (dBm)		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	20.19	20.17	20.17	21.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	20.20	20.17	20.15	21.0	0.0	
Channel				433168	433215	433300	Tune-up test (dBm)		
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		
50	QPSK	1	1	20.11	20.21	20.19	21.0	0.0	
Channel				433215	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
40	QPSK	1	1	20.23	20.18	20.16	21.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1	20.23	20.20	20.18	21.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	20.21	20.14	20.19	21.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3457.5	3499.98	3542.48	(dBm)		
15	QPSK	1	1	20.15	20.23	20.23	21.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)		
10	QPSK	1	1	20.18	20.16	20.11	21.0	0.0	

Par27Q n78_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				3499.98					
Frequency (MHz)									
100	PI2 BPSK	1	1		20.95		22.0	0.0	
100	PI2 BPSK	1	137		20.85				
100	PI2 BPSK	1	271		20.87				
100	PI2 BPSK	135	5		20.97		22.0	0.0	
100	PI2 BPSK	135	69		20.85		22.0	0.0	
100	PI2 BPSK	135	138		20.87		22.0	0.0	
100	PI2 BPSK	270	5		20.97		22.0	0.0	
100	QPSK	1	1		21.00		22.0	0.0	
100	QPSK	1	137		20.94				
100	QPSK	1	271		20.89				
100	QPSK	135	5		20.89		22.0	0.0	
100	QPSK	135	69		20.92				
100	QPSK	135	138		20.90				
100	QPSK	270	5		20.78		22.0	0.0	
100	ISQAM	1	1		20.95		22.0	0.0	
100	ISQAM	1	1		19.27		20.5	1.5	
100	25GQAM	1	1		17.77		18.5	3.5	
Channel				433000	433215	433390	Tune-up test (dBm)		
Frequency (MHz)				3495	3499.98	3504.98	(dBm)		
90	QPSK	1	1	20.93	20.99	20.99	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3490.02	3499.98	3510	(dBm)		
80	QPSK	1	1	20.92	20.88	20.94	22.0	0.0	
Channel				433215	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)		
70	QPSK	1	1	20.96	20.87	20.95	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3480	3499.98	3518.98	(dBm)		
60	QPSK	1	1	20.95	20.93	20.96	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3475.02	3499.98	3520	(dBm)		
50	QPSK	1	1	20.95	20.90	20.85	22.0	0.0	
Channel				433215	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		
40	QPSK	1	1	20.94	20.88	20.85	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3465	3499.98	3534.98	(dBm)		
30	QPSK	1	1	20.89	20.90	20.85	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		
20	QPSK	1	1	20.87	20.82	20.82	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3457.5	3499.98	3542.48	(dBm)		
15	QPSK	1	1	20.86	20.86	20.86	22.0	0.0	
Channel				433200	433215	433230	Tune-up test (dBm)		
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)		
10	QPSK	1	1	20.87	20.87	20.88	22.0	0.0	



Reduced Power Mode for DSI 7

GBMMQ_Ant 0		Start Average Power (dBm)			Tx Power Limit (dBm)			Frame Average Power (dBm)			Tx Power Limit (dBm)		
Tx Channel		Limit			Limit			Limit			Limit		
Frequency (MHz)		804.2	806.4	808.6	804.2			804.2	806.4	808.6	804.2		
GBM 1 Tx slot		32.82	32.48	32.63	31.68	23.82	23.48	23.63	23.82	23.48	23.63	23.82	23.48
GBM 1 Tx slot		32.92	32.43	32.61	31.68	23.81	23.43	23.61	23.81	23.43	23.61	23.81	23.43
GBM 2 Tx slot		30.23	30.02	29.98	31.68	24.23	24.02	23.98	24.23	24.02	23.98	24.23	24.02
GBM 3 Tx slot		28.68	28.70	28.53	29.68	24.42	24.44	24.27	24.42	24.44	24.27	24.42	24.44
GBM 4 Tx slot		28.68	27.21	28.63	29.68	23.89	24.21	23.83	23.89	24.21	23.83	23.89	24.21
EDGE 1 Tx slot		25.83	25.43	25.60	26.58	18.83	18.43	18.60	18.83	18.43	18.60	18.83	18.43
EDGE 2 Tx slot		25.94	24.58	24.82	26.58	18.04	18.58	18.82	18.04	18.58	18.82	18.04	18.58
EDGE 3 Tx slot		23.38	23.27	23.94	23.89	18.80	18.80	18.78	18.78	18.78	18.24	18.24	18.24
EDGE 4 Tx slot		21.26	21.15	21.10	21.59	18.26	18.10	18.10	18.26	18.10	18.10	18.26	18.10

GBMMQ_Ant 2		Start Average Power (dBm)			Tx Power Limit (dBm)			Frame Average Power (dBm)			Tx Power Limit (dBm)		
Tx Channel		812	861	810	Limit			812	861	810	Limit		
Frequency (MHz)		862	968	968	862			862	968	968	862		
GBM 1 Tx slot		29.78	29.84	29.82	30.68	20.78	20.84	20.82	20.78	20.84	20.82	20.78	20.84
GBM 2 Tx slot		29.73	29.81	29.78	30.68	20.73	20.81	20.78	20.73	20.81	20.78	20.73	20.81
GBM 3 Tx slot		27.40	27.35	27.47	27.60	21.40	21.35	21.47	21.40	21.35	21.47	21.40	21.35
GBM 3 Tx slot		25.60	25.76	25.71	25.88	21.43	21.59	21.45	21.43	21.59	21.45	21.43	21.59
GBM 4 Tx slot		24.13	24.22	24.27	24.66	21.13	21.22	21.27	21.13	21.22	21.27	21.13	21.22
EDGE 1 Tx slot		25.92	25.24	25.88	26.60	18.82	18.24	18.88	18.82	18.24	18.88	18.82	18.24
EDGE 2 Tx slot		24.25	24.27	24.33	25.60	18.22	18.27	18.33	18.22	18.27	18.33	18.22	18.27
EDGE 3 Tx slot		22.98	22.55	22.77	23.88	18.42	18.58	18.51	18.42	18.58	18.51	18.42	18.58
EDGE 4 Tx slot		20.33	20.20	20.34	21.59	17.33	17.20	17.34	17.33	17.20	17.34	17.33	17.20

Band		WCDMA V_Ant 2			WCDMA V_Ant 1			WCDMA V_Ant 1			WCDMA V_Ant 2		
Tx Channel		9682	9680	9698	Limit			9682	9680	9698	Limit		
Frequency (MHz)		9682.4	9680.4	9697.6	9682.4			9682.4	9680.4	9697.6	9682.4		
3GPP Rel 99		AMR 12.2kpus	21.81	21.82	21.85	22.78	18.74	18.77	18.75	17.78	21.80	21.81	21.82
3GPP Rel 99		RNC 12.2kpus	21.82	21.88	21.88	22.75	18.77	18.75	18.78	17.75	21.80	21.82	21.88
3GPP Rel 6		HSDPA Subclass 1	20.45	20.65	20.68	21.70	14.76	15.07	14.75	16.70	20.45	20.65	20.68
3GPP Rel 6		HSDPA Subclass 2	20.58	20.68	20.67	21.70	14.76	15.12	14.71	16.70	20.58	20.68	20.67
3GPP Rel 6		HSDPA Subclass 3	20.02	20.11	20.18	21.25	14.24	14.82	14.24	16.25	20.02	20.11	20.18
3GPP Rel 6		HSDPA Subclass 4	20.08	20.18	20.30	21.25	14.26	14.88	14.26	16.25	20.08	20.18	20.30
3GPP Rel 6		DC-HSDPA Subclass 1	20.57	20.58	20.77	21.70	14.78	15.12	14.73	16.70	20.57	20.58	20.77
3GPP Rel 6		DC-HSDPA Subclass 2	20.68	20.67	21.74	21.70	14.76	15.12	14.70	16.70	20.68	20.67	21.74
3GPP Rel 6		DC-HSDPA Subclass 3	20.02	20.17	20.19	21.25	14.26	14.54	14.26	16.25	20.02	20.17	20.19
3GPP Rel 6		DC-HSDPA Subclass 4	19.88	20.16	20.20	21.25	14.24	14.63	14.25	16.25	19.88	20.16	20.20
3GPP Rel 6		HSPA Subclass 1	21.52	20.70	20.83	21.70	14.70	15.08	14.70	16.70	21.52	20.70	20.83
3GPP Rel 6		HSPA Subclass 2	18.81	18.80	18.74	19.70	13.82	13.09	12.78	14.70	18.81	18.80	18.74
3GPP Rel 6		HSPA Subclass 3	19.87	19.69	19.78	20.70	13.80	14.07	13.77	15.70	19.87	19.69	19.78
3GPP Rel 6		HSPA Subclass 4	18.80	18.71	18.78	19.70	12.79	13.09	12.75	14.70	18.80	18.71	18.78
3GPP Rel 6		HSPA Subclass 5	20.87	20.81	20.81	21.70	14.87	15.00	14.73	16.70	20.87	20.81	20.81

Band		WCDMA V_Ant 5			WCDMA V_Ant 1			WCDMA V_Ant 1			WCDMA V_Ant 5		
Tx Channel		4152	4182	4233	Limit			4152	4182	4233	Limit		
Rx Channel		4152	4467	4462	4152			4152	4467	4462	4152		
Frequency (MHz)		806.4	836.4	846.6	806.4			806.4	836.4	846.6	806.4		
3GPP Rel 99		AMR 12.2kpus	22.83	22.94	22.88	24.06	24.70	21.83	21.74	22.60	24.06	24.70	21.80
3GPP Rel 6		HSDPA Subclass 1	21.92	21.88	21.87	23.00	20.64	20.72	20.82	21.90	21.92	21.88	21.87
3GPP Rel 6		HSDPA Subclass 2	21.95	21.91	21.88	23.00	20.75	20.76	20.77	21.90	21.95	21.91	21.88
3GPP Rel 6		HSDPA Subclass 3	21.45	21.39	21.38	22.50	20.24	20.23	20.24	21.40	21.45	21.39	21.38
3GPP Rel 6		HSDPA Subclass 4	21.48	21.39	21.36	22.50	20.23	20.28	20.22	21.40	21.48	21.39	21.36
3GPP Rel 6		DC-HSDPA Subclass 1	21.92	21.85	21.88	23.00	20.68	20.80	20.79	21.90	21.92	21.85	21.88
3GPP Rel 6		DC-HSDPA Subclass 2	21.92	21.88	21.82	23.00	20.71	20.76	20.81	21.90	21.92	21.88	21.82
3GPP Rel 6		DC-HSDPA Subclass 3	21.42	21.38	21.35	22.50	20.18	20.20	20.24	21.40	21.42	21.38	21.35
3GPP Rel 6		DC-HSDPA Subclass 4	21.47	21.38	21.33	22.50	20.17	20.22	20.19	21.40	21.47	21.38	21.33
3GPP Rel 6		HSPA Subclass 1	21.90	21.82	21.82	23.00	20.70	20.84	20.69	21.90	21.90	21.82	21.82
3GPP Rel 6		HSPA Subclass 2	19.85	19.87	19.88	21.00	18.70	18.73	18.77	19.80	19.85	19.87	19.88
3GPP Rel 6		HSPA Subclass 3	20.75	20.00	20.64	23.00	18.82	18.70	18.81	20.60	20.75	20.00	20.64
3GPP Rel 6		HSPA Subclass 4	19.92	19.83	19.82	21.00	18.72	18.76	18.88	19.90	19.92	19.83	19.82
3GPP Rel 6		HSPA Subclass 5	21.90	21.90	21.80	23.00	20.58	20.69	20.72	21.90	21.90	21.80	20.69

Band		WCDMA V_Ant 2			WCDMA V_Ant 1			WCDMA V_Ant 1			WCDMA V_Ant 2		
Tx Channel		1512	1413	1513	Limit			1512	1413	1513	Limit		
Rx Channel		1512	1531	1738	1512			1512	1531	1738	1512		
Frequency (MHz)		1512.4	1732.6	1738.6	1512.4			1512.4	1732.6	1738.6	1512.4		
3GPP Rel 99	AMR 12.2kpus	20.05	20.09	20.00	21.20	18.30	18.42	18.40	18.20	20.05	20.09	20.00	
3GPP Rel 99	RNC 12.2kpus	20.50	20.15	20.00	21.20	18.35	18.48	18.44	18.20	20.50	20.15	20.00	
3GPP Rel 6	HSDPA Subclass 1	19.08	18.80	19.02	20.20	12.38	12.45	12.52	14.20	19.08	18.80	19.02	
3GPP Rel 6	HSDPA Subclass 2	19.17	18.91	19.07	20.20	12.58	12.30	12.43	14.20	19.17	18.91	19.07	
3GPP Rel 6	HSDPA Subclass 3	18.85	18.50	18.58	19.90	11.88	11.71	11.89	13.70	18.85	18.50	18.58	
3GPP Rel 6	HSDPA Subclass 4	18.89	18.38	18.81	19.70	11.90	11.70	11.99	13.70	18.89	18.38	18.81	
3GPP Rel 6	DC-HSDPA Subclass 1	19.13	18.84	19.01	20.20	12.52	12.38	12.47	14.20	19.13	18.84	19.01	
3GPP Rel 6	DC-HSDPA Subclass 2	19.18	18.80	18.99	20.20	12.51	12.25	12.32	14.20	19.18	18.80	18.99	
3GPP Rel 6	DC-HSDPA Subclass 3	18.87	18.39	18.83	19.70	11.88	11.70	11.89	13.70	18.87	18.39	18.83	
3GPP Rel 6	DC-HSDPA Subclass 4	18.80	18.20	18.87	19.70	11.94	11.77	11.92	13.70	18.80	18.20	18.87	
3GPP Rel 6	HSPA Subclass 1	19.00	18.83	19.10	20.20	12.48	12.38	12.51	14.20	19.00	18.83	19.10	
3GPP Rel 6	HSPA Subclass 2	17.18	16.80	16.88	18.20	10.34	10.24	10.44	12.20	17.18	16.80	16.88	
3GPP Rel 6	HSPA Subclass 3	18.05	17.87	18.13	19.20	11.45	11.55	11.48	13.20	18.05	17.87	18.13	
3GPP Rel 6	HSPA Subclass 4	17.12	16.88	17.12	18.20	10.48	10.21	10.52	12.20	17.12	16.88	17.12	
3GPP Rel 6	HS-PA Subclass 5	19.07	18.58	19.03	20.20	12.46	12.24	12.37	14.20	19.07	18.58	19.03	



Band 2_Ant 2																	
BW (MHz)	Modulation	RB SpW	RB Offset	Power (W) Ch / Freq.	Power (W) Ch / Freq.	Power (W) Ch / Freq.	Turn-up time (min)	MRP (dB)									
Channel				18700	18900	19100											
20	QPSK	1	0	21.07	21.05	21.03	23.2	0									
20	QPSK	1	49	21.53	21.57	21.42											
20	QPSK	1	99	21.52	21.52	21.48											
20	QPSK	50	0	21.06	21.05	21.05											
20	QPSK	50	24	21.55	21.49	21.42											
20	QPSK	50	24	21.45	21.53	21.42	23	0.2									
20	QPSK	100	0	21.48	21.52	21.43	23	0.2									
20	16QAM	1	0	21.50	21.56	21.43											
20	16QAM	1	99	21.50	21.40	21.41											
20	16QAM	50	0	21.48	21.53	21.42											
20	16QAM	50	24	21.48	21.47	21.50											
20	16QAM	100	0	21.44	21.47	21.50	23	0.2									
20	16QAM	50	50	21.44	21.47	21.50											
20	QPSK	1	0	21.56	21.55	21.41											
20	QPSK	1	99	21.47	21.52	21.45											
20	QPSK	50	0	21.02	20.37	21.17											
20	16QAM	50	24	21.09	20.39	21.17	22	1.3									
20	16QAM	50	50	21.00	20.37	21.10											
20	16QAM	100	0	21.04	21.03	21.17											
20	25QAM	1	0	18.69	18.69	18.70											
20	25QAM	1	49	18.72	18.77	18.71		19	4.2								
20	25QAM	1	98	18.82	18.83	18.83	19	4.2									
20	25QAM	50	0	18.80	18.80	18.85											
20	25QAM	50	24	18.79	18.82	18.84											
20	25QAM	50	24	18.87	18.87	18.84											
20	25QAM	100	0	18.72	18.80	18.72											
Channel				18670	18900	19100	Turn-up time (min)	MRP (dB)									
Frequency (MHz)				18670	18900	19100											
15	QPSK	1	0	21.51	21.58	21.58	23.2	0									
15	QPSK	1	37	21.51	21.60	21.36											
15	QPSK	1	74	21.47	21.48	21.36											
15	QPSK	36	0	21.42	21.49	21.36											
15	QPSK	36	20	21.41	21.40	21.37		23	0.2								
15	QPSK	36	20	21.37	21.47	21.41	23	0.2									
15	QPSK	75	0	21.41	21.39	21.30											
15	16QAM	1	0	21.37	21.53	21.32											
15	16QAM	1	74	21.36	21.42	21.37											
15	16QAM	36	0	21.36	21.42	21.32		23	0.2								
15	16QAM	36	0	21.34	21.47	21.34											
15	16QAM	36	39	21.31	21.40	21.33											
15	16QAM	75	0	21.33	21.42	21.36											
15	16QAM	75	0	21.46	21.48	21.38											
15	16QAM	1	37	21.48	21.52	21.39	23	0.2									
15	16QAM	1	74	21.41	21.39	21.31											
15	16QAM	36	0	21.04	20.36	21.01											
15	16QAM	36	20	21.05	20.15	21.05											
15	16QAM	36	39	21.03	21.06	21.11											
15	25QAM	1	0	18.54	18.77	18.56	19	4.2									
15	25QAM	1	37	18.59	18.73	18.59											
15	25QAM	1	74	18.81	18.87	18.72											
15	25QAM	36	0	18.77	18.80	18.80											
15	25QAM	36	20	18.66	18.79	18.68		19	4.2								
15	25QAM	36	39	18.77	18.78	18.76	15	25QAM	75	0	18.61	18.74	18.82	Turn-up time (min)	MRP (dB)		
15	25QAM	75	0	18.61	18.74	18.82											
15	25QAM	75	0	18.61	18.74	18.82											
15	25QAM	75	0	18.61	18.74	18.82											
15	25QAM	75	0	18.61	18.74	18.82											
Channel				18650	18900	19100	Turn-up time (min)	MRP (dB)									
Frequency (MHz)				18650	18900	19100											
10	QPSK	1	0	21.48	21.50	21.43	23.2	0									
10	QPSK	1	25	21.40	21.49	21.38											
10	QPSK	1	49	21.43	21.43	21.41											
10	QPSK	25	0	21.48	21.54	21.37											
10	QPSK	25	12	21.49	21.38	21.37		23	0.2								
10	QPSK	50	0	21.30	21.43	21.36	23	0.2									
10	16QAM	1	0	21.39	21.47	21.33											
10	16QAM	1	49	21.53	21.49	21.38											
10	16QAM	1	49	21.35	21.44	21.36											
10	16QAM	25	0	21.31	21.49	21.36											
10	16QAM	25	0	21.38	21.48	21.39	23	0.2									
10	16QAM	25	25	21.29	21.50	21.43											
10	16QAM	50	0	21.36	21.36	21.40											
10	16QAM	50	0	21.39	21.48	21.33											
10	16QAM	1	25	21.39	21.50	21.31											
10	16QAM	1	49	21.37	21.45	21.37	23	0.2									
10	16QAM	1	98	21.25	21.31	21.38											
10	16QAM	25	12	21.22	21.13	21.25											
10	16QAM	25	25	21.24	21.19	21.29											
10	25QAM	1	0	18.57	18.74	18.69											
10	25QAM	1	25	18.58	18.66	18.65	19	4.2									
10	25QAM	1	49	18.79	18.75	18.76											
10	25QAM	25	0	18.73	18.80	18.73											
10	25QAM	25	12	18.65	18.81	18.76		19	4.2								
10	25QAM	25	25	18.65	18.81	18.76											
10	25QAM	50	0	18.67	18.75	18.69	Turn-up time (min)	MRP (dB)									
10	25QAM	50	0	18.67	18.75	18.69											
10	25QAM	50	0	18.67	18.75	18.69											
10	25QAM	50	0	18.67	18.75	18.69											
10	25QAM	50	0	18.67	18.75	18.69											
Channel				18625	18900	19100	Turn-up time (min)	MRP (dB)									
Frequency (MHz)				18625	18900	19100											
5	QPSK	1	0	21.50	21.47	21.49	23.2	0									
5	QPSK	1	12	21.46	21.50	21.48											
5	QPSK	1	24	21.43	21.43	21.43											
5	QPSK	12	0	21.53	21.49	21.31											
5	QPSK	12	7	21.52	21.47	21.38		23	0.2								
5	QPSK	12	7	21.51	21.44	21.33	23	0.2									
5	QPSK	25	0	21.35	21.43	21.32											
5	16QAM	1	0	21.43	21.47	21.36											
5	16QAM	1	12	21.44	21.48	21.39											
5	16QAM	1	24	21.36	21.48	21.38											
5	16QAM	12	0	21.34	21.52	21.34	23	0.2									
5	16QAM	12	7	21.43	21.47	21.38											
5	16QAM	12	13	21.31	21.51	21.33											
5	16QAM	25	0	21.41	21.52	21.43											
5	16QAM	1	0	21.45	21.48	21.33	23	0.2									
5	16QAM	1	12	21.46	21.50	21.41											
5	16QAM	1	24	21.43	21.43	21.43											
5	16QAM	12	0	21.33	21.43	21.31											
5	16QAM	12	13	21.19	21.14	21.19											
5	16QAM	25	0	21.19	21.19	21.17	22	1.2									
5	16QAM	25	12	21.21	21.12	21.21											
5	25QAM	1	0	18.59	18.70	18.67											
5	25QAM	1	24	18.60	18.76	18.73		19	4.2								
5	25QAM	12	0	18.73	18.76	18.75											
5	25QAM	12	7	18.70	18.74	18.70	19	4.2									
5	25QAM	12	13	18.70	18.76	18.72											
5	25QAM	25	0	18.76	18.76	18.72											
5	25QAM	25	12	18.68	18.80	18.73											
5	25QAM	25	25	18.68	18.80	18.73											
Channel				18615	18900	19100	Turn-up time (min)	MRP (dB)									
Frequency (MHz)				18615	18900	19100											
3	QPSK	1	0	21.55	21.52	21.47	23.2	0									
3	QPSK	1	8	21.44	21.51	21.41											
3	QPSK	1	14	21.50	21.48	21.36											
3	QPSK	8	0	21.48	21.50	21.41											
3	QPSK	8	7	21.48	21.47	21.35		23	0.2								
3	QPSK	8	7	21.47	21.46	21.35	23	0.2									
3	QPSK	16	0	21.43	21.48	21.31											
3	16QAM	1	0	21.53	21.49	21.40											
3	16QAM	1	14	21.41	21.48	21.33											
3	16QAM	8	0	21.47	21.43	21.30		23	0.2								
3	16QAM	8	7	21.46	21.43	21.30											
3	16QAM	16	0	21.39	21.41	21.41											
3	16QAM	16	0	21.39	21.41	21.41											
3	16QAM	1	0	21.39	21.52	21.37	23	0.2									
3	16QAM	1	14	21.51	21.47	21.33											
3	16QAM	8	0	21.26	21.26	21.21											
3	16QAM	8	7	21.25	21.25	21.21											
3	16QAM	8	7	21.21	21.20	21.27		22	1.2								
3	16QAM	16	0	21.22	21.13	21.22	23	0.2									
3	16QAM	16	0	21.22	21.13	21.22											
3	25QAM	1	0	18.62	18.70	18.64											
3	25QAM	1	14	18.79	18.82	18.73											
3	25QAM	8	0	18.81	18.82	18.72		19	4.2								
3	25QAM	8	7	18.76	18.77	18.69											
3	25QAM	16	0	18.70	18.77	18.76											
3	25QAM	16	0	18.68	18.68	18.68											
3	25QAM	16	0	18.66	18.66	18.67											
Channel				18607	18900	19100	Turn-up time (min)	MRP (dB)									
Frequency (MHz)				18607	18900	19100											
1.4	QPSK	1	0	21.56	21.54	21.47	23.2	0									
1.4	QPSK	1	3	21.41	21.45	21.41											
1.4	QPSK	1	6	21.39	21.46	21.40											
1.4	QPSK	1	9	21.42	21.50	21.41											
1.4	QPSK	3	0	21.42	21.38	21.38		23	0.2								
1.4	QPSK	3	3	21.42	21.40	21.31	23	0.2									
1.4	QPSK	3	6	21.38	21.42	21.31											
1.4	16QAM	1	0	21.39	21.47	21.35											
1.4	16QAM	1															

[illegible]

Band 4_Ant0									
RW [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turnup time (s)	MPR (dB)
Channel				20050	21715	20050	21715		
Frequency (MHz)				1720	1732	1745			
30	QPSK	1	0	20.74	20.83	20.83	20.83	22.6	0
30	QPSK	1	99	20.73	20.84	20.81	20.81		
30	QPSK	1	198	20.74	20.83	20.83	20.83		
30	QPSK	50	50	20.78	20.83	20.73	20.73	22.6	0
30	QPSK	50	150	20.78	20.83	20.73	20.73		
30	16QAM	1	0	20.80	20.75	20.72	20.72	22.6	0
30	16QAM	1	49	20.74	20.76	20.84	20.76		
30	16QAM	50	0	20.76	20.80	20.79	20.79		
30	16QAM	50	24	20.79	20.85	20.79	20.79	22	0.8
30	16QAM	100	0	20.78	20.82	20.72	20.72		
30	16QAM	1	0	20.73	20.82	20.84	20.84	22	0.8
30	16QAM	1	99	20.74	20.75	20.77	20.77		
30	16QAM	1	99	20.86	20.81	20.82	20.82		
30	16QAM	50	0	20.13	19.98	19.99	19.99	21	1.6
30	16QAM	50	50	20.14	19.98	19.98	19.98		
30	16QAM	50	50	19.91	19.99	20.00	20.00		
30	16QAM	100	0	20.06	19.90	20.00	20.00		
30	16QAM	100	0	19.95	19.95	19.95	19.95		
30	25QAM	1	49	17.53	18.08	18.08	18.08	19	3.6
30	25QAM	1	99	17.99	18.12	18.00	18.00		
30	25QAM	1	198	17.99	18.13	18.00	18.00		
30	25QAM	50	24	18.03	18.14	17.93	17.93	19	3.6
30	25QAM	50	150	18.04	18.14	18.00	18.00		
30	25QAM	100	0	18.07	18.13	18.00	18.00		
Channel				20025	21715	20025	21715	Turnup time (s)	MPR (dB)
Frequency (MHz)				1715	1732	1745			
15	QPSK	1	0	20.74	20.73	20.73	20.73	22.6	0
15	QPSK	1	37	20.60	20.76	20.70	20.70		
15	QPSK	1	74	20.64	20.83	20.76	20.76		
15	QPSK	1	111	20.73	20.77	20.73	20.73	22.6	0
15	QPSK	30	30	20.71	20.75	20.65	20.65	22.6	0
15	QPSK	30	39	20.73	20.72	20.67	20.67		
15	16QAM	1	0	20.73	20.79	20.79	20.79	22.6	0
15	16QAM	1	0	20.66	20.74	20.68	20.68		
15	16QAM	1	37	20.73	20.68	20.77	20.77	22.6	0
15	16QAM	1	37	20.73	20.78	20.78	20.78		
15	16QAM	30	30	20.75	20.77	20.73	20.73	22	0.8
15	16QAM	30	39	20.74	20.73	20.77	20.77		
15	16QAM	75	0	20.76	20.77	20.62	20.62	22	0.8
15	16QAM	75	0	20.58	20.81	20.70	20.70		
15	16QAM	75	0	20.72	20.72	20.62	20.62	22	0.8
15	16QAM	1	74	20.77	20.66	20.76	20.76		
15	16QAM	30	0	20.14	20.00	20.07	20.07	21	1.6
15	16QAM	30	39	19.92	19.93	20.03	20.03		
15	16QAM	75	0	20.04	19.94	20.05	20.05		
15	16QAM	75	0	17.91	18.02	17.95	17.95	19	3.6
15	25QAM	1	37	17.85	18.03	17.81			
15	25QAM	1	99	17.88	18.07	17.81			
15	25QAM	1	198	17.88	18.08	17.81			
15	25QAM	50	24	17.91	18.09	17.86			
15	25QAM	50	150	17.92	18.09	17.86			
15	25QAM	100	0	17.95	18.07	17.86			
Channel				19975	21715	19975	21715	Turnup time (s)	MPR (dB)
Frequency (MHz)				1715	1732	1745			
3	QPSK	1	0	20.74	20.73	20.73	20.73	22.6	0
3	QPSK	1	25	20.67	20.77	20.67	20.67		
3	QPSK	1	49	20.72	20.82	20.68	20.68		
3	QPSK	1	73	20.78	20.82	20.68	20.68		
3	QPSK	25	12	20.62	20.72	20.63	20.63	22.6	0
3	QPSK	25	26	20.63	20.73	20.63	20.63		
3	QPSK	25	26	20.79	20.76	20.63	20.63		
3	16QAM	1	0	20.79	20.84	20.68	20.68	22.6	0
3	16QAM	1	25	20.81	20.67	20.77	20.77		
3	16QAM	1	25	20.81	20.76	20.68	20.68		
3	16QAM	25	12	20.61	20.62	20.77	20.77	22	0.8
3	16QAM	25	12	20.61	20.82	20.77	20.77		
3	16QAM	50	0	20.62	20.62	20.77	20.77		
3	16QAM	50	0	20.66	20.78	20.61	20.61	21	1.6
3	16QAM	50	0	20.66	20.70	20.61	20.61		
3	16QAM	1	49	20.76	20.72	20.81	20.81	22	0.8
3	16QAM	25	0	20.27	20.08	20.18	20.18		
3	16QAM	25	0	20.24	20.14	20.21	20.21		
3	16QAM	50	0	20.16	20.08	20.24	20.24		
3	16QAM	50	0	19.00	19.00	20.00	20.00	19	3.6
3	25QAM	1	25	17.85	18.07	17.89			
3	25QAM	1	49	17.96	17.99	17.86			
3	25QAM	1	198	17.96	18.07	17.86			
3	25QAM	25	12	17.92	18.01	17.86			
3	25QAM	25	12	18.00	18.11	17.86			
3	25QAM	50	24	18.00	18.11	17.86			
Channel				19975	21715	19975	21715	Turnup time (s)	MPR (dB)
Frequency (MHz)				1715	1732	1745			
3	QPSK	1	12	20.73	20.78	20.73	20.73	22.6	0
3	QPSK	1	24	20.81	20.82	20.73	20.73		
3	QPSK	1	36	20.83	20.86	20.73	20.73		
3	QPSK	1	48	20.89	20.75	20.73	20.73	22.6	0
3	QPSK	12	12	20.69	20.75	20.62	20.62		
3	QPSK	12	13	20.63	20.69	20.65	20.65	22.6	0
3	QPSK	12	13	20.71	20.77	20.65	20.65		
3	16QAM	1	0	20.76	20.70	20.69	20.69	22.6	0
3	16QAM	1	12	20.84	20.64	20.75	20.75		
3	16QAM	12	0	20.65	20.67	20.69	20.69	22	0.8
3	16QAM	12	0	20.66	20.80	20.69	20.69		
3	16QAM	12	0	20.68	20.68	20.68	20.68		
3	16QAM	25	0	20.73	20.81	20.63	20.63	22	0.8
3	16QAM	25	0	20.69	20.71	20.72	20.72	22	0.8
3	16QAM	25	0	20.67	20.67	20.72	20.72		
3	16QAM	1	24	20.76	20.68	20.69	20.69	21	1.6
3	16QAM	12	9	20.31	20.09	20.19	20.19		
3	16QAM	12	9	20.07	20.07	20.21	20.21		
3	16QAM	12	13	20.15	20.07	20.28	20.28		
3	16QAM	25	0	20.16	20.03	20.23	20.23		
3	16QAM	25	0	19.00	19.04	19.01	19.01	19	3.6
3	25QAM	1	12	17.80	17.94	17.83			
3	25QAM	1	24	17.86	18.02	17.80			
3	25QAM	1	198	17.86	18.07	17.80			
3	25QAM	12	7	17.88	17.99	17.87			
3	25QAM	12	13	17.99	18.06	17.87			
3	25QAM	50	24	18.00	18.08	17.89			
Channel				19965	21715	19965	21715	Turnup time (s)	MPR (dB)
Frequency (MHz)				1715	1732	1745			
3	QPSK	1	0	20.76	20.70	20.69	20.69	22.6	0
3	QPSK	1	14	20.72	20.79	20.69	20.69		
3	QPSK	1	31	20.71	20.79	20.69	20.69		
3	QPSK	8	4	20.71	20.71	20.72	20.72	22.6	0
3	QPSK	8	7	20.87	20.76	20.61	20.61		
3	16QAM	1	0	20.80	20.82	20.69	20.69	22.6	0
3	16QAM	1	0	20.68	20.73	20.66	20.66		
3	16QAM	1	8	20.64	20.73	20.67	20.67	22	0.8
3	16QAM	8	0	20.67	20.73	20.66	20.66		
3	16QAM	8	0	20.70	20.73	20.77	20.77		
3	16QAM	8	4	20.75	20.70	20.75	20.75	22	0.8
3	16QAM	8	7	20.69	20.69	20.75	20.75		
3	16QAM	16	0	20.73	20.81	20.67	20.67	22	0.8
3	16QAM	16	0	20.62	20.75	20.78	20.78		
3	16QAM	16	0	20.75	20.78	20.78	20.78	21	1.6
3	16QAM	1	14	20.81	20.73	20.78	20.78		
3	16QAM	8	0	20.41	20.68	20.22	20.22		
3	16QAM	8	0	20.09	19.93	20.03	20.03	22	0.8
3	16QAM	8	7	20.21	19.95	20.37	20.37		
3	16QAM	15	0	20.19	19.94	20.25	20.25		
3	25QAM	1	8	17.89	17.95	17.89			
3	25QAM	1	8	17.87	17.96	17.89			
3	25QAM	1	14	17.96	18.10	17.95			
3	25QAM	1	14	17.99	17.95	17.89			
3	25QAM	8	4	17.55	18.03	17.88			
3	25QAM	8	7	17.92	18.10	17.89			
3	25QAM	8	7	18.08	18.08	17.89			
Channel				19967	21715	19967	21715	Turnup time (s)	MPR (dB)
Frequency (MHz)				1715	1732	1745			
14	QPSK	1	0	20.73	20.78	20.73	20.73	22.6	0
14	QPSK	1	3	20.72	20.81	20.77	20.77		
14	QPSK	1	8	20.68	20.83	20.80	20.80		
14	QPSK	1	3	20.71	20.79	20.78	20.78	22.6	0
14	QPSK	3	3	20.78	20.72	20.62	20.62		
14	QPSK	3	3	20.71	20.78	20.66	20.66	22.6	0
14	QPSK	3	3	20.62	20.80	20.66	20.66		
14	16QAM	1	0	20.73	20.67	20.60	20.60	22	0.8
14	16QAM	1	3	20.66	20.64	20.73	20.73		
14	16QAM	3	3	20.73	20.66	20.73	20.73		
14	16QAM	3	3	20.70	20.66	20.70	20.70	22	0.8
14	16QAM	3	3	20.65	2				

Band 5_Ant 0										
RF [MHz]	Modulation	RIS Size	RIS Refl.	Power Loss [dB]	Ch. Freq. [GHz]	Power Loss [dB]	Ch. Freq. [GHz]	Power Loss [dB]	Turn-on time [dBm]	MPPR [dB]
Channel										
				20450	80.5	80.5	80.5	80.5		
10	QPSK	1	0	22.70	22.73	22.70	22.73	22.70	24	0
10	QPSK	1	25	22.70	22.73	22.70	22.73	22.70		
10	QPSK	1	48	22.64	22.70	22.64	22.70	22.64		
10	QPSK	1	75	22.63	22.70	22.63	22.70	22.63		
10	QPSK	25	12	22.45	22.48	22.45	22.48	22.45	24	0
10	QPSK	25	25	22.50	22.51	22.50	22.51	22.50		
10	QPSK	25	48	22.43	22.48	22.43	22.48	22.43		
10	16QAM	1	0	22.61	22.52	22.62	22.53	22.61		
10	16QAM	1	0	22.71	22.43	22.71	22.43	22.71	24	0
10	16QAM	1	25	22.71	22.43	22.71	22.43	22.71		
10	16QAM	25	0	21.76	21.77	21.69	21.69	21.76		
10	16QAM	25	12	21.86	21.74	21.69	21.69	21.86	23	
10	16QAM	25	25	21.84	21.74	21.69	21.69	21.84		
10	16QAM	50	0	21.82	21.67	21.61	21.61	21.82		
10	16QAM	50	1	21.59	21.62	21.52	21.52	21.59		
10	16QAM	50	25	21.64	21.47	21.65	21.47	21.64	23	
10	16QAM	1	49	21.30	21.35	21.36	21.36	21.30		
10	16QAM	1	75	20.79	20.74	20.66	20.66	20.79		
10	16QAM	25	25	20.79	20.75	20.67	20.67	20.79	22	2
10	16QAM	50	0	20.82	20.70	20.62	20.62	20.82		
10	25QAM	1	0	21.84	21.80	21.80	21.80	21.84		
10	25QAM	1	25	18.87	18.87	18.80	18.80	18.87	19	5
10	25QAM	49	0	18.89	18.86	18.87	18.87	18.89		
10	25QAM	25	12	18.82	18.86	18.86	18.86	18.82	19	5
10	25QAM	25	25	18.82	18.84	18.82	18.82	18.82		
10	25QAM	50	0	18.87	18.89	18.88	18.88	18.87		
Channel										
				20425	80.5	80.5	80.5	80.5	Turn-on time [dBm]	MPPR [dB]
10	Frequency (MHz)			82.1	80.5	80.5	80.5	82.1		
10	QPSK	1	0	22.14	22.16	22.14	22.16	22.14	24	0
10	QPSK	1	25	22.21	22.21	22.21	22.21	22.21		
10	QPSK	1	24	22.73	22.64	22.63	22.63	22.73		
10	QPSK	1	49	22.68	22.67	22.67	22.67	22.68	24	0
10	QPSK	12	7	22.66	22.57	22.57	22.57	22.66		
10	QPSK	25	12	22.67	22.63	22.62	22.62	22.67	24	0
10	QPSK	25	25	22.61	22.47	22.44	22.44	22.61		
10	16QAM	1	0	22.56	22.63	22.56	22.56	22.56		
10	16QAM	1	25	22.67	22.62	22.60	22.60	22.67	24	0
10	16QAM	25	25	22.57	22.57	22.57	22.57	22.57		
10	16QAM	12	0	21.82	21.72	21.60	21.60	21.82		
10	16QAM	12	7	21.94	21.84	21.68	21.68	21.94	23	1
10	16QAM	25	12	21.74	21.61	21.61	21.61	21.74		
10	16QAM	50	0	21.85	21.64	21.61	21.61	21.85		
10	16QAM	50	1	21.46	21.43	21.52	21.52	21.46	23	1
10	16QAM	50	25	21.73	21.57	21.47	21.47	21.73		
10	16QAM	1	24	21.80	21.53	21.35	21.35	21.80		
10	16QAM	12	0	20.83	20.73	20.62	20.62	20.83		
10	16QAM	12	7	20.79	20.70	20.62	20.62	20.79	22	2
10	16QAM	25	12	20.78	20.67	20.63	20.63	20.78		
10	16QAM	25	25	20.86	20.69	20.60	20.60	20.86		
10	16QAM	50	0	20.87	20.70	20.62	20.62	20.87		
10	25QAM	1	12	18.82	18.76	18.85	18.85	18.82		
10	25QAM	1	24	18.76	18.81	18.80	18.80	18.76		
10	25QAM	12	18	18.78	18.74	18.74	18.74	18.78	19	5
10	25QAM	12	7	18.75	18.85	18.76	18.76	18.75		
10	25QAM	15	18	18.76	18.80	18.79	18.79	18.76		
10	25QAM	25	25	18.83	18.81	18.81	18.81	18.83		
Channel										
				20415	80.5	80.5	80.5	80.5	Turn-on time [dBm]	MPPR [dB]
10	Frequency (MHz)			82.1	80.5	80.5	80.5	82.1		
10	QPSK	1	0	22.18	22.19	22.18	22.19	22.18	24	0
10	QPSK	1	8	22.68	22.71	22.70	22.70	22.68		
10	QPSK	1	14	22.68	22.69	22.63	22.63	22.68	24	0
10	QPSK	1	50	22.63	22.64	22.64	22.64	22.63		
10	QPSK	8	4	22.72	22.60	22.63	22.63	22.72		
10	QPSK	8	7	22.62	22.63	22.63	22.63	22.62	24	0
10	QPSK	15	4	22.61	22.46	22.46	22.46	22.61		
10	16QAM	1	0	22.56	22.63	22.56	22.56	22.56	24	0
10	16QAM	1	8	22.32	22.42	22.41	22.41	22.32		
10	16QAM	8	0	22.61	22.41	22.41	22.41	22.61		
10	16QAM	8	8	21.98	21.82	21.68	21.68	21.98	23	1
10	16QAM	8	14	21.85	21.89	21.62	21.62	21.85		
10	16QAM	15	8	21.63	21.68	21.68	21.68	21.63		
10	16QAM	15	0	21.88	21.76	21.64	21.64	21.88		
10	16QAM	1	0	21.30	21.44	21.57	21.57	21.30	23	1
10	16QAM	1	8	21.40	21.38	21.40	21.40	21.40		
10	16QAM	1	14	21.80	21.50	21.40	21.40	21.80		
10	16QAM	8	0	20.73	20.68	20.51	20.51	20.73	22	2
10	16QAM	8	8	20.69	20.62	20.62	20.62	20.69		
10	16QAM	15	0	20.86	20.72	20.64	20.64	20.86		
10	16QAM	15	8	20.85	20.86	20.82	20.82	20.85		
10	25QAM	1	8	18.81	18.82	18.85	18.85	18.81	19	5
10	25QAM	1	14	18.76	18.86	18.78	18.78	18.76		
10	25QAM	8	8	18.82	18.80	18.85	18.85	18.82		
10	25QAM	8	4	18.73	18.75	18.75	18.75	18.73	19	5
10	25QAM	15	8	18.76	18.81	18.82	18.82	18.76		
10	25QAM	15	18	18.83	18.76	18.83	18.83	18.83		
Channel										
				20407	80.5	80.5	80.5	80.5	Turn-on time [dBm]	MPPR [dB]
14	Frequency (MHz)			82.17	80.5	80.5	80.5	82.17		
14	QPSK	1	0	22.61	22.61	22.61	22.61	22.61	24	0
14	QPSK	1	3	22.77	22.76	22.75	22.75	22.77		
14	QPSK	1	5	22.61	22.62	22.61	22.61	22.61	24	0
14	QPSK	1	10	22.68	22.64	22.64	22.64	22.68		
14	QPSK	3	1	22.62	22.47	22.47	22.47	22.62		
14	QPSK	3	3	22.63	22.47	22.47	22.47	22.63	24	0
14	QPSK	3	10	22.65	22.37	22.33	22.33	22.65		
14	16QAM	1	0	22.64	22.70	22.74	22.74	22.64		
14	16QAM	1	3	22.67	22.53	22.51	22.51	22.67		
14	16QAM	1	10	22.62	22.59	22.60	22.60	22.62		
14	16QAM	3	0	22.82	22.43	22.55	22.55	22.82		
14	16QAM	3	1	22.80	22.54	22.64	22.64	22.80		
14	16QAM	3	10	22.77	22.56	22.51	22.51	22.77	23	1
14	16QAM	6	0	21.81	21.64	21.48	21.48	21.81		
14	16QAM	6	0	21.89	21.61	21.70	21.70	21.89		
14	16QAM	6	10	21.89	21.58	21.67	21.67	21.89		
14	16QAM	3	5	21.89	21.67	21.87	21.87	21.89	23	1
14	16QAM	3	0	21.88	21.76	21.80	21.80	21.88		
14	16QAM	3	10	21.84	21.75	21.87	21.87	21.84		
14	16QAM	3	3	21.88	21.69	21.82	21.82	21.88	22	2
14	16QAM	6	0	20.86	20.62	20.64	20.64	20.86		
14	25QAM	1	3	18.73	18.87	18.77	18.77	18.73	19	5
14	25QAM	1	5	18.84	18.80	18.73	18.73	18.84		
14	25QAM	3	1	18.79	18.79	18.86	18.86	18.79		
14	25QAM	3	1	18.79	18.86	18.71	18.71	18.79		
14	25QAM	3	3	18.72	18.80	18.85	18.85	18.72		
14	25QAM	6	10	18.74	18.82	18.86	18.86	18.74	19	5

Band 5_Ant 1										
RF [MHz]	Modulation	RB Size	RF Offset	Power Level [dBm]	Ch. Freq. [MHz]	Power Level [dBm]	Ch. Freq. [MHz]	Turn-on time (dBm)	MPEP (dB)	
Channel				20450	20450	20450	20450	Turn-on time (dBm)	MPEP (dB)	
Frequency [MHz]				620	80.5	80.5	80.5			
10	QPSK	1	0	21.79	21.79	21.79	21.79	23.4	0	
10	QPSK	1	25	21.79	21.87	21.84	21.84			
10	QPSK	1	48	21.87	21.87	21.87	21.87			
10	QPSK	1	75	21.87	21.95	21.95	21.95			
10	QPSK	25	12	21.94	21.96	21.97	21.97	23	0.4	
10	QPSK	25	25	21.88	21.90	21.90	21.89			
10	QPSK	25	48	21.90	21.92	21.92	21.91			
10	16QAM	1	0	21.87	21.92	21.92	21.92	23	0.4	
10	16QAM	1	25	21.84	22.00	21.95	21.95			
10	16QAM	1	48	21.95	22.11	22.06	22.06			
10	16QAM	25	0	21.76	21.21	21.02	21.02			
10	16QAM	25	12	21.21	21.12	21.00	21.00	22	1.4	
10	16QAM	25	25	21.17	21.11	21.00	21.00			
10	16QAM	50	0	21.16	21.04	21.04	21.04			
10	16QAM	1	0	21.58	21.53	21.50	21.50	22	1.1	
10	16QAM	1	25	21.53	21.53	21.53	21.53			
10	16QAM	1	48	21.53	21.53	21.53	21.53			
10	16QAM	1	75	21.53	21.53	21.53	21.53			
10	16QAM	1	48	20.85	21.10	21.34	21.34	21	2.4	
10	16QAM	25	0	20.12	20.18	20.01	20.01			
10	16QAM	25	12	20.01	20.01	20.01	20.01	23	0.6	
10	16QAM	25	25	20.01	20.01	20.01	20.01			
10	16QAM	25	48	20.01	20.01	20.01	20.01			
10	16QAM	50	0	20.28	20.05	20.04	20.04			
10	16QAM	50	12	20.05	19.89	19.85	19.85			
10	256QAM	1	25	18.51	18.55	18.48	18.48	19	4.4	
10	256QAM	1	48	18.39	18.52	18.44	18.44			
10	256QAM	1	75	18.44	18.52	18.44	18.44			
10	256QAM	25	12	18.52	18.54	18.48	18.48	19	4.4	
10	256QAM	25	25	18.54	18.57	18.48	18.48			
10	256QAM	50	0	18.49	18.53	18.48	18.48			
Channel				20426	20426	20426	20426	Turn-on time (dBm)	MPEP (dB)	
Frequency [MHz]				621.5	81.5	81.5	81.5			
10	QPSK	1	0	21.84	21.84	21.84	21.84	23.4	0	
10	QPSK	1	24	21.84	21.95	21.88	21.88			
10	QPSK	1	48	21.95	21.95	21.95	21.95			
10	QPSK	12	13	21.82	21.85	21.80	21.80	23	0.4	
10	QPSK	12	25	21.80	21.80	21.80	21.80			
10	16QAM	1	0	21.81	21.91	21.88	21.88	23	0.6	
10	16QAM	1	12	21.84	22.02	21.92	21.92			
10	16QAM	1	25	21.92	22.02	21.92	21.92			
10	16QAM	12	0	21.16	21.26	21.03	21.03			
10	16QAM	12	7	21.26	21.28	21.14	21.14	22	1.4	
10	16QAM	25	0	21.17	21.03	21.03	21.03			
10	16QAM	25	0	21.20	21.05	21.00	21.00			
10	16QAM	1	24	21.36	20.99	20.98	20.98			
10	16QAM	12	0	20.23	20.08	20.04	20.04			
10	16QAM	12	13	20.08	20.05	20.01	20.01	21	2.4	
10	16QAM	12	25	20.05	20.05	20.05	20.05			
10	16QAM	25	0	20.16	20.05	20.01	20.01			
10	16QAM	25	12	20.01	19.88	19.87	19.87			
10	256QAM	1	12	18.50	18.45	18.38	18.38	19	4.4	
10	256QAM	1	24	18.30	18.45	18.35	18.35			
10	256QAM	1	48	18.47	18.48	18.38	18.38			
10	256QAM	12	7	18.48	18.38	18.38	18.38	19	4.4	
10	256QAM	12	25	18.48	18.38	18.38	18.38			
10	256QAM	25	12	18.41	18.54	18.34	18.34			
10	256QAM	25	25	18.48	18.38	18.38	18.38			
Channel				20416	20416	20416	20416	Turn-on time (dBm)	MPEP (dB)	
Frequency [MHz]				621.5	81.5	81.5	81.5			
10	QPSK	1	0	21.77	21.80	21.80	21.80	23.4	0	
10	QPSK	1	24	21.77	21.85	21.81	21.81			
10	QPSK	1	48	21.85	21.85	21.85	21.85			
10	QPSK	8	7	21.55	21.95	21.89	21.89	23	0.4	
10	QPSK	8	25	21.55	21.95	21.89	21.89			
10	16QAM	1	0	21.83	22.00	21.83	21.83	23	0.6	
10	16QAM	1	8	21.80	22.03	21.89	21.89			
10	16QAM	8	8	21.80	22.01	21.89	21.89			
10	16QAM	8	8	21.77	22.01	21.89	21.89			
10	16QAM	1	48	21.58	21.22	21.12	21.12	22	1.4	
10	16QAM	1	24	21.22	21.12	21.00	21.00			
10	16QAM	15	15	21.20	21.12	21.01	21.01			
10	16QAM	1	12	21.20	21.12	21.01	21.01			
10	16QAM	1	0	21.26	21.31	21.26	21.26	22	1.4	
10	16QAM	1	21	21.31	21.43	21.33	21.33			
10	16QAM	1	14	21.35	21.38	21.24	21.24			
10	16QAM	8	0	20.25	20.11	19.98	19.98			
10	16QAM	8	0	20.10	20.10	20.01	20.01	21	2.4	
10	16QAM	8	7	20.17	20.29	20.11	20.11			
10	16QAM	15	0	20.12	19.99	19.91	19.91			
10	16QAM	15	0	20.12	19.99	19.91	19.91			
10	256QAM	1	8	18.37	18.46	18.46	18.46	19	4.4	
10	256QAM	1	14	18.26	18.37	18.32	18.32			
10	256QAM	1	21	18.37	18.46	18.32	18.32			
10	256QAM	8	4	18.46	18.47	18.38	18.38	19	4.4	
10	256QAM	8	4	18.46	18.34	18.33	18.33			
10	256QAM	15	0	18.47	18.33	18.33	18.33			
Channel				20407	20407	20407	20407	Turn-on time (dBm)	MPEP (dB)	
Frequency [MHz]				621.7	81.5	81.5	81.5			
14	QPSK	1	0	21.81	21.81	21.81	21.81	23.4	0	
14	QPSK	1	3	21.74	21.86	21.91	21.91			
14	QPSK	1	5	21.85	21.85	21.81	21.81	23.4	0	
14	QPSK	1	8	21.86	21.98	21.97	21.97			
14	QPSK	3	1	21.90	21.98	21.80	21.80			
14	QPSK	3	3	21.92	21.95	21.83	21.83	23	0.6	
14	QPSK	3	5	21.92	21.95	21.83	21.83			
14	16QAM	1	0	21.89	21.96	21.86	21.86	23	0.4	
14	16QAM	1	3	21.87	21.92	21.84	21.84			
14	16QAM	1	5	21.92	21.96	21.86	21.86			
14	16QAM	3	0	21.81	21.89	21.89	21.89			
14	16QAM	3	0	21.80	21.90	21.83	21.83			
14	16QAM	3	3	21.95	21.77	21.77	21.77	22	1.4	
14	16QAM	6	0	21.10	20.95	20.91	20.91			
14	16QAM	1	0	21.32	21.25	20.97	20.97			
14	16QAM	1	3	21.28	21.13	21.04	21.04			
14	16QAM	1	5	20.83	21.06	21.10	21.10	22	1.4	
14	16QAM	3	0	21.42	21.19	20.76	20.76			
14	16QAM	3	0	21.17	21.19	20.77	20.77			
14	16QAM	3	3	20.75	20.92	21.04	21.04			
14	16QAM	6	0	21.14	19.96	19.91	19.91	21	2.4	
14	16QAM	6	0	20.98	19.98	19.98	19.98			
14	256QAM	1	3	18.50	18.52	18.39	18.39	19	4.4	
14	256QAM	1	5	18.34	18.43	18.45	18.45			
14	256QAM	1	8	18.43	18.45	18.35	18.35			
14	256QAM	3	1	18.40	18.52	18.39	18.39	19	4.4	
14	256QAM	3	3	18.51	18.50	18.51	18.51			
14	256QAM	6	0	18.42	18.42	18.42	18.42	19	4.4	

Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RE Config	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)		
Channel 1										
Frequency (MHz)				2050	2100	2150				
20	QPSK	1	0	15.15	15.71	16.72				
20	QPSK	1	49	16.55	16.66	16.57	19	0		
20	QPSK	1	99	15.52	15.63	15.63				
20	QPSK	50	0	15.15	15.71	16.72				
20	QPSK	50	24	16.62	16.73	16.68				
20	QPSK	50	49	15.52	15.66	15.66				
20	QPSK	100	0	15.52	15.70	16.66				
20	16QAM	1	0	16.64	16.69	16.66	19	0		
20	16QAM	1	99	16.55	16.62	16.63				
20	16QAM	50	0	16.56	16.70	16.61				
20	16QAM	50	24	16.62	16.69	16.67	19	0		
20	16QAM	50	49	16.62	16.69	16.69				
20	16QAM	100	0	16.62	16.65	16.69	19	0		
20	16QAM	1	99	16.58	16.68	16.70				
20	16QAM	50	0	16.68	16.69	16.64	19	0		
20	16QAM	50	24	16.52	16.52	16.55				
20	16QAM	50	49	16.69	16.70	16.66				
20	16QAM	100	0	16.69	16.70	16.67	19	0.9		
20	256QAM	1	0	16.69	16.70	16.67				
20	256QAM	1	49	16.58	16.75	16.67				
20	256QAM	1	99	16.65	16.69	16.67				
20	256QAM	50	0	16.69	16.70	16.67				
20	256QAM	50	24	16.60	16.62	16.64	19	0.9		
20	256QAM	50	49	16.62	16.63	16.62				
20	256QAM	100	0	16.63	16.74	16.67				
Channel 2										
Frequency (MHz)				2095	2100	2175	Turn-up time (min)	MPE (dB)		
15	QPSK	1	0	15.55	16.66	16.59				
15	QPSK	1	37	16.53	16.63	16.45	19	0		
15	QPSK	1	74	16.41	16.56	16.47				
15	QPSK	36	0	15.56	16.64	16.66				
15	QPSK	36	20	16.56	16.65	16.53	19	0		
15	QPSK	36	39	16.46	16.63	16.58				
15	QPSK	75	0	15.45	16.58	16.51				
15	16QAM	1	0	16.56	16.63	16.59	19	0		
15	16QAM	1	37	16.51	16.57	16.55				
15	16QAM	1	74	16.44	16.54	16.52				
15	16QAM	36	0	16.47	16.60	16.54	19	0		
15	16QAM	36	20	16.50	16.56	16.55				
15	16QAM	36	39	16.61	16.59	16.47				
15	16QAM	75	0	16.60	16.54	16.53				
15	16QAM	75	0	16.51	16.52	16.56				
15	16QAM	1	37	16.54	16.57	16.56	19	0		
15	16QAM	1	74	16.53	16.60	16.57				
15	16QAM	36	0	16.58	16.62	16.61				
15	16QAM	36	20	16.47	16.54	16.54	19	0		
15	16QAM	36	39	16.54	16.62	16.56				
15	16QAM	75	0	16.58	16.55	16.51				
15	256QAM	1	0	16.49	16.59	16.65	19	0.9		
15	256QAM	1	37	16.45	16.60	16.53				
15	256QAM	1	74	16.57	16.54	16.54				
15	256QAM	36	0	16.45	16.56	16.49	19	0.9		
15	256QAM	36	20	16.55	16.62	16.64				
15	256QAM	36	39	16.56	16.48	16.51	19	0.9		
15	256QAM	75	0	16.52	16.57	16.54				
Channel 3										
Frequency (MHz)				2095	2100	2160	Turn-up time (min)	MPE (dB)		
10	QPSK	1	0	15.68	16.73	16.62				
10	QPSK	1	25	16.43	16.63	16.49	19	0		
10	QPSK	1	49	15.52	15.63	15.63				
10	QPSK	25	0	15.63	16.71	16.60				
10	QPSK	25	12	16.46	16.65	16.55	19	0		
10	QPSK	25	49	15.41	15.62	15.47				
10	QPSK	50	0	15.58	16.68	16.58				
10	16QAM	1	0	16.58	16.66	16.62	19	0		
10	16QAM	1	25	16.58	16.56	16.57	19	0		
10	16QAM	1	49	16.44	16.56	16.57				
10	16QAM	25	0	16.51	16.60	16.46	19	0		
10	16QAM	25	12	16.51	16.66	16.63				
10	16QAM	25	25	16.55	16.52	16.53				
10	16QAM	50	0	16.56	16.61	16.46				
10	16QAM	1	0	16.63	16.65	16.61				
10	16QAM	1	25	16.57	16.67	16.66	19	0		
10	16QAM	1	49	16.56	16.61	16.65				
10	16QAM	25	0	16.65	16.55	16.49				
10	16QAM	25	12	16.48	16.59	16.56	19	0.9		
10	16QAM	25	25	16.49	16.56	16.67				
10	16QAM	50	0	16.54	16.58	16.62				
10	256QAM	1	0	16.47	16.55	16.64	19	0.9		
10	256QAM	1	25	16.45	16.64	16.62				
10	256QAM	1	49	16.60	16.57	16.52				
10	256QAM	25	0	16.45	16.57	16.42	19	0.9		
10	256QAM	25	12	16.59	16.62	16.58				
10	256QAM	25	25	16.53	16.50	16.53				
10	256QAM	50	0	16.56	16.64	16.63				
Channel 4										
Frequency (MHz)				20775	21000	21425	Turn-up time (min)	MPE (dB)		
5	QPSK	1	0	15.63	16.55	16.66				
5	QPSK	1	12	16.40	16.57	16.53	19	0		
5	QPSK	1	24	15.47	15.43	15.53				
5	QPSK	12	0	15.62	16.68	16.66				
5	QPSK	12	7	16.59	16.58	16.61	19	0		
5	QPSK	12	13	15.52	15.54	15.56				
5	QPSK	25	0	16.47	16.62	16.61				
5	16QAM	1	0	16.58	16.66	16.49	19	0		
5	16QAM	1	12	16.51	16.67	16.61				
5	16QAM	1	24	16.54	16.49	16.59				
5	16QAM	12	0	16.49	16.63	16.52	19	0		
5	16QAM	12	7	16.62	16.63	16.63				
5	16QAM	12	13	16.62	16.54	16.54				
5	16QAM	25	0	16.54	16.62	16.45				
5	16QAM	1	0	16.61	16.66	16.45				
5	16QAM	1	12	16.60	16.54	16.66	19	0		
5	16QAM	1	24	16.56	16.67	16.65				
5	16QAM	12	0	16.66	16.57	16.49	19	0		
5	16QAM	12	7	16.57	16.59	16.59				
5	16QAM	12	13	16.53	16.57	16.62				
5	16QAM	25	0	16.57	16.56	16.55	19	0.9		
5	256QAM	1	0	16.52	16.59	16.59				
5	256QAM	1	12	16.51	16.71	16.65				
5	256QAM	1	24	16.60	16.63	16.42	19	0.9		
5	256QAM	12	0	16.47	16.56	16.46				
5	256QAM	12	7	16.46	16.52	16.55				
5	256QAM	12	13	16.48	16.48	16.57	19	0.9		
5	256QAM	25	0	16.52	16.59	16.59				

Band 7_Ant 1										
BW (MHz)	Modulation	RB Size	RE Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup time (min)	MPE (dB)		
Channel				20965	21100	21350				
Frequency (MHz)										
20	QPSK	1	0	15.22	15.28	16.00				
20	QPSK	1	49	16.21	16.17	16.13	16.2	0		
20	QPSK	1	99	15.15	15.13	15.12				
20	QPSK	50	0	15.22	15.24	16.16				
20	QPSK	50	24	15.15	15.16	15.12	16.2	0		
20	QPSK	50	49	15.15	15.22	15.15				
20	QPSK	100	0	15.18	15.20	15.15				
20	16QAM	1	0	15.12	15.19	15.15	16.2	0		
20	16QAM	1	99	15.20	15.27	15.16				
20	16QAM	1	99	15.13	15.21	15.16				
20	16QAM	50	0	15.13	15.21	16.05				
20	16QAM	50	24	15.08	15.16	15.16	16.2	0		
20	16QAM	50	49	15.08	15.26	15.16				
20	16QAM	100	0	15.13	15.13	15.16				
20	16QAM	100	0	15.12	15.13	15.16				
20	16QAM	1	49	15.19	15.20	15.97	16.2	0		
20	16QAM	1	99	15.16	15.26	15.10				
20	16QAM	50	0	15.09	15.13	15.09				
20	16QAM	50	24	15.13	15.22	15.97	16.2	0		
20	16QAM	50	49	15.09	15.26	15.10				
20	16QAM	100	0	15.07	15.13	15.15				
20	256QAM	1	0	15.22	15.24	16.16				
20	256QAM	1	49	16.20	16.17	16.13	16.2	0		
20	256QAM	1	99	15.15	15.13	15.12				
20	256QAM	50	0	15.08	15.13	15.07				
20	256QAM	50	24	15.18	15.16	15.11	16.2	0		
20	256QAM	50	49	15.18	15.27	15.17				
20	256QAM	100	0	15.07	15.13	15.08				
Channel				20925	21100	21375	Turnup time (min)	MPE (dB)		
Frequency (MHz)										
15	QPSK	1	0	15.16	15.26	16.14				
15	QPSK	1	34	16.20	16.07	15.98	16.2	0		
15	QPSK	1	79	15.08	15.08	15.12				
15	QPSK	50	0	15.12	15.12	16.06				
15	QPSK	36	20	15.09	15.11	15.07	16.2	0		
15	QPSK	36	35	15.15	15.12	15.03				
15	QPSK	75	0	15.07	15.08	15.08				
15	16QAM	1	0	15.10	15.08	15.09	16.2	0		
15	16QAM	1	34	15.09	15.12	15.02				
15	16QAM	1	79	14.08	15.17	15.12				
15	16QAM	36	0	14.98	15.14	14.94				
15	16QAM	36	20	15.08	15.03	15.02	16.2	0		
15	16QAM	36	35	15.17	15.09	15.00				
15	16QAM	75	0	15.03	15.07	15.02				
15	16QAM	1	0	14.97	14.88	14.99				
15	16QAM	1	34	15.03	15.07	15.02				
15	16QAM	1	79	15.13	15.25	14.94				
15	16QAM	36	0	14.98	15.06	14.94				
15	16QAM	36	20	14.98	15.19	14.95	16.2	0		
15	16QAM	36	35	15.02	15.17	15.00				
15	16QAM	75	0	15.00	15.00	15.00				
15	256QAM	1	0	16.00	15.05	15.07				
15	256QAM	1	34	14.99	15.03	15.09	16.2	0		
15	256QAM	1	79	15.03	15.14	15.00				
15	256QAM	36	0	14.97	15.11	14.92				
15	256QAM	36	20	15.07	15.01	15.02	16.2	0		
15	256QAM	36	35	15.07	15.05	15.11				
15	256QAM	75	0	14.95	15.12	14.95				
Channel				20960	21100	21400	Turnup time (min)	MPE (dB)		
Frequency (MHz)										
10	QPSK	1	0	15.07	15.22	15.99				
10	QPSK	1	49	16.20	16.15	16.09	16.2	0		
10	QPSK	1	25	15.13	15.14	15.08				
10	QPSK	50	0	15.13	15.13	16.12				
10	QPSK	25	12	15.13	15.13	15.03	16.2	0		
10	QPSK	25	37	15.11	15.17	15.12				
10	QPSK	50	0	15.07	15.14	15.04				
10	16QAM	1	0	15.04	15.10	15.04	16.2	0		
10	16QAM	1	25	15.15	15.15	15.03				
10	16QAM	1	49	15.07	15.10	15.03				
10	16QAM	25	0	15.02	15.20	14.98				
10	16QAM	25	12	15.08	15.08	15.11	16.2	0		
10	16QAM	25	37	15.08	15.14	14.98				
10	16QAM	50	0	15.04	15.01	15.09				
10	16QAM	1	0	15.02	14.99	15.03				
10	16QAM	1	25	15.13	15.13	15.03	16.2	0		
10	16QAM	1	49	15.10	15.15	14.99				
10	16QAM	25	0	14.96	15.11	14.94				
10	16QAM	25	12	15.08	15.08	15.03	16.2	0		
10	16QAM	25	37	15.09	15.15	14.98				
10	256QAM	1	0	14.96	15.09	14.98				
10	256QAM	1	25	15.11	15.04	15.09	16.2	0		
10	256QAM	1	49	15.07	15.16	15.02				
10	256QAM	25	0	14.96	15.10	14.98				
10	256QAM	25	12	15.08	15.08	15.03	16.2	0		
10	256QAM	25	37	15.09	15.15	14.98				
10	256QAM	50	0	15.03	15.10	15.07				
Channel				20775	21100	21425	Turnup time (min)	MPE (dB)		
Frequency (MHz)										
5	QPSK	1	0	15.11	15.17	15.14				
5	QPSK	1	12	15.17	15.09	15.10	16.2	0		
5	QPSK	1	24	15.13	15.02	15.05				
5	QPSK	1	36	15.13	15.12	15.03				
5	QPSK	12	7	15.14	15.01	15.03	16.2	0		
5	QPSK	12	13	15.14	15.22	15.07				
5	QPSK	12	19	15.12	15.09	15.07				
5	16QAM	1	0	14.99	15.18	15.10	16.2	0		
5	16QAM	1	12	15.10	15.19	14.98				
5	16QAM	1	24	15.10	15.10	15.03				
5	16QAM	12	7	15.13	15.12	14.99	16.2	0		
5	16QAM	12	13	15.13	15.10	15.07				
5	16QAM	12	19	15.12	15.12	15.03				
5	16QAM	25	0	15.03	14.88	15.09	16.2	0		
5	16QAM	25	12	15.00	15.08	14.99				
5	16QAM	25	19	15.03	15.03	15.03	16.2	0		
5	16QAM	1	24	15.03	15.18	14.98				
5	16QAM	12	9	14.93	15.00	15.08				
5	16QAM	12	15	15.00	15.12	14.98	16.2	0		
5	16QAM	12	19	14.94	15.13	15.03				
5	16QAM	25	0	15.05	14.98	14.98	16.2	0		
5	16QAM	25	12	15.03	15.03	15.03				
5	256QAM	1	12	15.04	15.08	15.05	16.2	0		
5	256QAM	1	24	15.08	15.09	15.07				
5	256QAM	12	25	15.03	15.10	15.03				
5	256QAM	12	37	15.09	15.01	15.03	16.2	0		
5	256QAM	15	15	15.12	15.12	15.09				
5	256QAM	25	44	14.97	15.10	14.97				



Band 12_Ant 1										
BW [MHz]	Modulation	RB Size	RE Const.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time [min]	MPE [dB]		
Channel				21060	22005	23170	235.0			
Frequency [MHz]				704	707.5	714.1				
10	QPSK	1	0	21.32	21.85	21.78	23	0	0	
10	QPSK	1	25	21.67	21.70	21.65				
10	QPSK	1	49	21.65	21.65	21.50				
10	QPSK	25	7	21.70	21.75	21.72				
10	QPSK	25	12	21.69	21.73	21.61				
10	QPSK	25	25	21.67	21.66	21.70	23	0.5	0	
10	QPSK	50	0	21.65	21.72	21.67				
10	16QAM	1	0	21.63	21.77	21.69				
10	16QAM	1	25	21.69	21.77	21.68				
10	16QAM	1	49	21.69	21.70	21.61				
10	16QAM	25	0	20.95	20.99	20.97	22	1.5	0	
10	16QAM	25	12	21.17	21.03	21.09				
10	16QAM	25	25	21.06	21.10	21.06				
10	16QAM	50	0	21.12	20.95	21.08				
10	16QAM	50	0	21.12	21.34	21.51				
10	64QAM	1	25	21.30	21.20	21.25	22	1.5	0	
10	64QAM	1	49	20.84	21.20	21.17				
10	64QAM	25	0	19.90	20.97	19.98				
10	64QAM	25	12	20.16	20.90	20.10				
10	64QAM	25	25	20.03	20.94	20.17				
10	256QAM	1	0	18.00	18.12	17.97	19	4.5	0	
10	256QAM	1	25	18.06	18.10	17.85				
10	256QAM	1	49	17.95	18.06	17.97				
10	256QAM	25	0	17.71	18.00	17.65				
10	256QAM	25	12	17.85	18.04	18.17				
10	256QAM	25	25	18.07	18.15	18.08	20	4.5	0	
10	256QAM	50	0	18.02	18.11	18.01				
Channel				22000	22000	23165	235.0	MPE [dB]		
Frequency [MHz]				704.5	710.5	714.5				
5	QPSK	1	0	21.08	21.70	21.60	23.5	0	0	
5	QPSK	1	12	21.64	21.66	21.64				
5	QPSK	1	24	21.68	21.67	21.56				
5	QPSK	12	0	21.60	21.61	21.70				
5	QPSK	12	7	21.63	21.68	21.58				
5	QPSK	12	13	21.43	21.62	21.57	23	0.5	0	
5	QPSK	25	0	21.53	21.60	21.56				
5	16QAM	1	0	21.50	21.66	21.63				
5	16QAM	1	12	21.65	21.70	21.64				
5	16QAM	1	24	21.61	21.67	21.46				
5	16QAM	12	0	21.00	21.66	21.01	22	1.5	0	
5	16QAM	12	7	21.23	21.14	21.04				
5	16QAM	12	13	21.13	20.96	21.07				
5	16QAM	25	0	21.08	21.13	20.98				
5	64QAM	1	0	21.04	21.27	21.04				
5	64QAM	1	12	20.97	21.10	21.22	22	1.5	0	
5	64QAM	1	24	21.28	21.13	21.27				
5	64QAM	12	0	19.89	20.94	19.95				
5	64QAM	12	7	19.97	20.90	20.14				
5	64QAM	12	13	20.12	20.95	20.25				
5	64QAM	25	0	19.93	19.95	20.07	19	4.5	0	
5	256QAM	1	0	17.88	18.07	17.92				
5	256QAM	1	12	18.01	18.05	17.83				
5	256QAM	1	24	17.93	17.95	17.83				
5	256QAM	12	0	17.90	17.85	17.91				
5	256QAM	12	7	17.96	17.98	17.78	19	4.5	0	
5	256QAM	12	13	18.05	18.05	18.07				
5	256QAM	25	0	18.00	18.00	17.93				
Channel				22000	22000	23166	235.0	MPE [dB]		
Frequency [MHz]				699.2	707.5	713.5				
3	QPSK	1	0	21.61	21.70	21.60	23.5	0	0	
3	QPSK	1	8	21.66	21.67	21.68				
3	QPSK	1	14	21.62	21.63	21.52				
3	QPSK	8	0	21.61	21.60	21.64				
3	QPSK	8	4	21.62	21.67	21.55				
3	QPSK	8	7	21.62	21.64	21.67	23	0.5	0	
3	QPSK	16	0	21.52	21.61	21.57				
3	16QAM	1	0	21.49	21.73	21.60				
3	16QAM	1	8	21.67	21.71	21.61				
3	16QAM	1	14	21.62	21.70	21.47				
3	16QAM	8	0	21.19	20.90	21.03	22	1.5	0	
3	16QAM	8	4	21.62	21.11	21.10				
3	16QAM	8	7	21.08	21.01	21.02				
3	16QAM	15	0	21.03	20.96	20.97				
3	64QAM	1	0	21.40	21.14	21.15				
3	64QAM	1	8	21.26	21.13	21.01	22	1.5	0	
3	64QAM	1	14	20.94	21.04	21.26				
3	64QAM	8	0	19.99	19.99	19.79				
3	64QAM	8	4	20.03	20.99	20.95				
3	64QAM	15	0	19.97	19.94	19.95				
3	256QAM	1	0	17.90	18.05	17.85	19	4.5	0	
3	256QAM	1	8	17.99	17.96	17.86				
3	256QAM	1	14	17.85	17.95	17.81				
3	256QAM	8	0	17.89	17.85	17.89				
3	256QAM	8	4	17.91	17.90	17.78				
3	256QAM	8	7	17.95	18.05	18.00	19	4.5	0	
3	256QAM	15	0	17.94	18.06	17.82				
Channel				22017	22000	23173	235.0	MPE [dB]		
Frequency [MHz]				699.2	707.5	713.5				
1.4	QPSK	1	0	21.62	21.71	21.64	23.5	0	0	
1.4	QPSK	1	3	21.63	21.66	21.59				
1.4	QPSK	1	5	21.60	21.61	21.69				
1.4	QPSK	3	0	21.66	21.60	21.66				
1.4	QPSK	3	1	21.57	21.61	21.53				
1.4	QPSK	3	1.4	21.54	21.60	21.56	23	0.5	0	
1.4	QPSK	6	0	21.62	21.62	21.61				
1.4	16QAM	1	0	21.57	21.70	21.64				
1.4	16QAM	1	1.4	21.68	21.73	21.62				
1.4	16QAM	1	6	21.67	21.70	21.49				
1.4	16QAM	3	0	21.54	21.73	21.61	22	1.5	0	
1.4	16QAM	3	1	21.56	21.65	21.60				
1.4	16QAM	3	3	21.54	21.69	21.47				
1.4	16QAM	6	0	20.97	20.81	21.03				
1.4	64QAM	1	0	20.98	21.39	21.37				
1.4	64QAM	1	3	21.30	21.06	21.16	22	1.5	0	
1.4	64QAM	1	6	20.73	21.16	21.08				
1.4	64QAM	3	0	20.51	20.87	20.95				
1.4	64QAM	3	1	21.29	20.99	21.14				
1.4	64QAM	3	1.4	20.88	21.06	20.95				
1.4	256QAM	1	0	19.80	19.85	19.76	21	2.5	0	
1.4	256QAM	1	0	17.99	18.10	17.83				
1.4	256QAM	1	3	18.09	18.07	17.82				
1.4	256QAM	1	5	17.88	17.94	17.89				
1.4	256QAM	3	0	17.79	17.99	17.88				
1.4	256QAM	3	1.4	17.85	17.95	17.89	19	4.5	0	
1.4	256QAM	3	3	17.97	18.11	17.99				
1.4	256QAM	5	0	17.88	17.96	17.91				

Band 13_Ant 0									
BW [MHz]	Modulation	RB Size	RE Const.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time [dBm]	MPE [dB]	
Channel				23250					
Frequency [MHz]				761.5	761.5	761.5			
10	QPSK	1	0	23.32	23.32	23.33	24	0	0
10	QPSK	1	25	23.34	23.34	23.34			
10	QPSK	1	49	23.34	23.34	23.34			
10	QPSK	25	0	23.07	23.07	23.07			
10	QPSK	25	12	23.09	23.09	23.09			
10	QPSK	25	25	23.07	23.07	23.07	24	0	
10	WQAM	1	0	23.28	23.28	23.28	24	0	0
10	WQAM	1	25	23.31	23.31	23.31			
10	WQAM	1	49	23.30	23.30	23.30			
10	WQAM	25	0	22.99	22.99	22.99			
10	WQAM	25	12	22.99	22.99	22.99			
10	WQAM	25	25	22.96	22.96	22.96	23	1	
10	WQAM	50	0	22.95	22.95	22.95	23	1	0
10	WQAM	50	25	22.95	22.95	22.95			
10	WQAM	1	0	23.03	23.03	23.03			
10	WQAM	1	25	23.03	23.03	23.03			
10	WQAM	25	12	21.66	21.66	21.66			
10	WQAM	25	25	21.63	21.63	21.63	22	2	
10	WQAM	1	0	21.57	21.57	21.57	19	5	0
10	23QAM	1	0	18.90	18.90	18.90			
10	23QAM	1	25	18.85	18.85	18.85			
10	23QAM	1	49	18.83	18.83	18.83			
10	23QAM	25	0	18.88	18.88	18.88			
10	23QAM	25	12	18.87	18.87	18.87	19	5	
10	23QAM	25	25	18.85	18.85	18.85	19	5	
10	23QAM	50	0	18.95	18.95	18.95			
Channel				23205	23205	23255			
Frequency [MHz]				761.5	761.5	761.5			
5	QPSK	1	0	22.98	22.98	22.99	24	0	0
5	QPSK	1	12	23.04	23.04	23.05			
5	QPSK	1	24	22.91	22.98	22.93			
5	QPSK	12	0	22.93	22.95	22.93			
5	QPSK	12	7	23.06	23.08	23.05			
5	QPSK	12	13	23.01	23.01	22.99	24	0	
5	QPSK	12	25	23.00	22.91	23.00	24	0	0
5	WQAM	1	0	23.27	23.10	23.10			
5	WQAM	1	12	23.09	23.20	23.14			
5	WQAM	1	24	22.99	23.02	23.03			
5	WQAM	12	0	22.98	22.92	22.90			
5	WQAM	12	7	22.99	22.74	22.73	23	1	0
5	WQAM	12	13	22.96	22.68	22.64			
5	WQAM	1	0	22.61	22.51	22.58			
5	WQAM	1	25	22.60	22.77	22.76			
5	WQAM	1	49	22.61	22.76	22.74			
5	WQAM	25	0	22.73	22.79	22.78	23	1	
5	WQAM	25	12	21.67	21.68	21.68	22	2	0
5	WQAM	25	25	21.65	21.71	21.69			
5	WQAM	12	13	21.62	21.66	21.65			
5	23QAM	1	0	18.86	18.86	18.86			
5	23QAM	1	0	18.82	18.88	18.87			
5	23QAM	1	12	18.80	18.74	18.74	19	5	0
5	23QAM	1	12	18.80	18.74	18.74			
5	23QAM	1	25	18.86	18.81	18.81			
5	23QAM	12	0	18.87	18.82	18.81			
5	23QAM	12	7	18.82	18.91	18.94			
5	23QAM	12	13	18.80	18.75	18.75	19	5	0
5	23QAM	25	0	18.90	18.85	18.85			

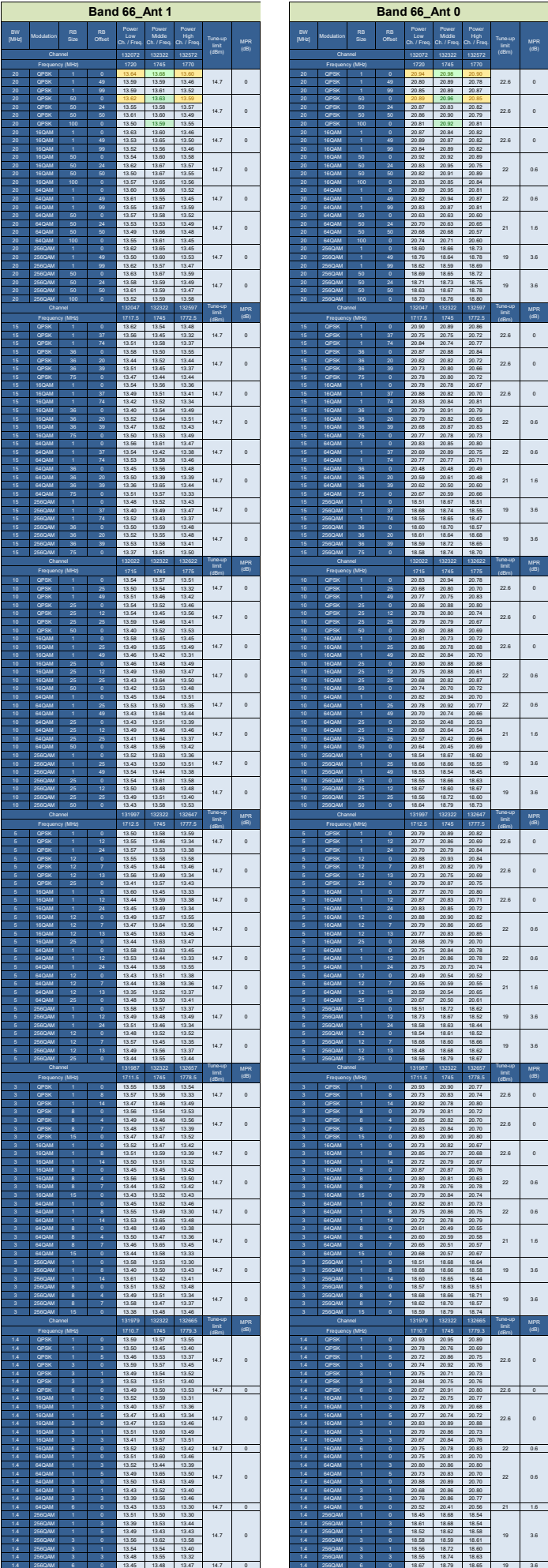


Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)				23780	23790	23800				
10	QPSK	1	0	21.69	21.62	21.67	23.5	0		
10	QPSK	1	25	21.67	21.72	21.63				
10	QPSK	1	49	21.66	21.67	21.61				
10	QPSK	25	0	21.67	21.72	21.70				
10	QPSK	25	12	21.65	21.68	21.69	23	0.5		
10	QPSK	25	12	21.65	21.68	21.64				
10	QPSK	25	12	21.65	21.68	21.64				
10	QPSK	50	0	21.69	21.62	21.67				
10	QPSK	1	0	21.69	21.62	21.67	23	0.5		
10	QPSK	1	25	21.62	21.67	21.51				
10	QPSK	1	49	21.57	21.70	21.62				
10	QPSK	25	0	20.80	21.61	20.86				
10	QPSK	25	12	21.62	21.71	21.64	22	1.5		
10	QPSK	25	12	21.62	21.71	21.64				
10	QPSK	50	0	21.58	21.66	21.68				
10	QPSK	1	0	21.32	21.23	21.37				
10	QPSK	1	25	21.26	21.59	21.51	22	1.5		
10	QPSK	1	49	21.19	21.23	21.53				
10	QPSK	25	0	20.94	20.99	20.98				
10	QPSK	25	12	20.99	20.19	19.94				
10	QPSK	25	25	20.19	20.03	19.99	21	2.5		
10	QPSK	25	25	20.19	20.03	19.94				
10	QPSK	50	0	20.08	20.02	19.94				
10	QPSK	100	0	19.18	19.99	19.99				
10	QPSK	25	25	18.01	18.13	18.05	19	4.5		
10	QPSK	25	25	18.01	18.13	18.05				
10	QPSK	1	49	18.11	18.20	18.12				
10	QPSK	1	24	18.11	18.20	18.12				
10	QPSK	25	0	18.00	18.14	18.04	19	4.5		
10	QPSK	25	12	18.10	18.16	18.11				
10	QPSK	25	25	18.04	18.17	18.03				
10	QPSK	50	0	18.08	18.20	18.07				
Channel										
Frequency (MHz)				23855	23900	23925	Turn-up time (min)	MPE (dB)		
				709	710	713				
5	QPSK	1	0	21.63	21.61	21.68	23.5	0		
5	QPSK	1	12	21.57	21.61	21.57				
5	QPSK	1	24	21.60	21.60	21.50				
5	QPSK	12	0	21.54	21.63	21.68				
5	QPSK	12	7	21.54	21.68	21.68	23	0.5		
5	QPSK	12	7	21.54	21.68	21.68				
5	QPSK	12	7	21.54	21.68	21.68				
5	QPSK	25	0	21.53	21.58	21.43				
5	QPSK	1	0	21.58	21.58	21.60	23	0.5		
5	QPSK	1	25	21.58	21.58	21.60				
5	QPSK	1	49	21.58	21.58	21.60				
5	QPSK	25	0	20.98	21.04	20.90				
5	QPSK	25	12	21.14	20.97	20.99	22	1.5		
5	QPSK	25	12	21.14	20.97	20.99				
5	QPSK	50	0	20.93	20.97	20.99				
5	QPSK	1	0	18.02	18.05	18.04				
5	QPSK	1	25	17.89	18.05	18.03	19	4.5		
5	QPSK	1	49	17.89	18.05	18.03				
5	QPSK	25	0	17.86	18.13	17.99				
5	QPSK	25	12	17.86	18.13	17.99				
5	QPSK	25	25	17.95	18.09	17.97	19	4.5		
5	QPSK	25	25	17.95	18.09	17.97				
5	QPSK	50	0	17.85	18.08	17.95				
5	QPSK	100	0	17.85	18.08	17.95				

Band 25_Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)						
Channel Frequency (MHz)														
26140 26140 26150														
20	QPSK	1	0	21.60	21.60	21.60	23.2	0						
20	QPSK	1	49	21.51	21.61	21.62								
20	QPSK	1	99	21.54	21.58	21.61								
20	QPSK	50	0	21.56	21.60	21.57								
20	QPSK	50	24	21.49	21.55	21.57	23	0.2						
20	QPSK	50	24	21.51	21.58	21.58								
20	QPSK	100	0	21.51	21.59	21.55								
20	QPSK	100	0	21.56	21.60	21.56								
20	QPSK	1	0	21.59	21.59	21.51	23	0.2						
20	QPSK	1	25	21.59	21.59	21.51								
20	QPSK	1	49	21.59	21.58	21.51								
20	QPSK	25	0	21.59	21.57	21.52								
20	QPSK	25	12	21.59	21.57	21.52	23	0.2						
20	QPSK	25	12	21.59	21.57	21.52								
20	QPSK	50	0	21.54	21.57	21.52								
20	QPSK	100	0	21.51	21.59	21.54								
20	QPSK	1	0	21.57	21.59	21.57	23	0.2						
20	QPSK	1	25	21.57	21.59	21.57								
20	QPSK	1	49	21.57	21.59	21.57								
20	QPSK	25	0	21.13	20.99	21.10								
20	QPSK	50	24	21.08	21.01	21.08	22	1.2						
20	QPSK	50	24	21.08	21.01	21.08								
20	QPSK	100	0	21.08	20.98	21.15								
20	QPSK	1	0	18.02	18.10	18.01								
20	QPSK	1	49	18.05	18.05	18.15	19	4.2						
20	QPSK	1	99	18.05	18.05	18.15								
20	QPSK	25	0	18.80	18.62	18.68								
20	QPSK	25	12	18.82	18.75	18.80								
20	QPSK	25	25	18.87	18.75	18.81	19	4.2						
20	QPSK	25	25	18.87	18.75	18.81								
20	QPSK	50	0	18.89	18.70	18.85								
20	QPSK	100	0	18.89	18.70	18.85								
Channel Frequency (MHz)														
26115 26140 26150														
15	QPSK	1	0	21.63	21.61	21.59	23.2	0						
15	QPSK	1	37	21.29	21.61	21.48								
15	QPSK	1	74	21.46	21.60	21.48								
15	QPSK	36	0	21.49	21.64	21.64								
15	QPSK	36	20	21.49	21.62	21.49	23	0.2						
15	QPSK	36	20	21.49	21.62	21.49								
15	QPSK	72	0	21.54	21.64	21.64								
15	QPSK	72	0	21.59	21.63	21.43								
15	QPSK	1	0	21.44	21.62	21.59	23	0.2						
15	QPSK	1	37	21.57	21.61	21.59								
15	QPSK	1	74	21.52	21.69	21.41								
15	QPSK	36	0	21.52	21.59	21.41								
15	QPSK	36	20	21.48	21.54	21.52	23	0.2						
15	QPSK	36	20	21.48	21.54	21.52								
15	QPSK	72	0	21.49	21.62	21.45								
15	QPSK	72	0	21.49	21.62	21.45								
15	QPSK	1	0	21.47	21.62	21.59	23	0.2						
15	QPSK	1	37	21.47	21.62	21.59								
15	QPSK	1	74	21.47	21.62	21.59								
15	QPSK	36	0	21.4			19	4.2						
15	QPSK	36	20	21.30	20.93	21.20								
15	QPSK	75	0	21.06	20.97	21.18								
15	QPSK	75	0	21.07	20.99	21.19								
15	QPSK	1	37	18.02	18.79	18.71								
15	QPSK	1	74	18.05	18.67	18.62								
15	QPSK	36	20	18.77	18.97	18.77								
15	QPSK	36	20	18.77	18.97	18.77								
15	QPSK	75	0	18.52	18.74	18.64	19	4.2						
15	QPSK	75	0	18.52	18.65	18.60								
15	QPSK	75	37	18.61	18.87	18.61								
15	QPSK	75	37	18.61	18.87	18.61								



Band 26(FCC)_Ant 0										
RF MHz	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup Int. (sec)	MPE (dB)		
Channel										
Frequency (MHz)				26765	26665	26565	Turn-up Int. (sec)	MPE (dB)		
16	QPSK	1	0	22.81	22.88	22.81	24	0		
16	QPSK	1	37	22.75	22.78	22.69				
16	QPSK	1	74	22.68	22.70	22.56				
16	QPSK	36	0	22.77	22.68	22.58				
16	QPSK	36	20	22.55	22.58	22.50	24	0		
16	QPSK	36	39	22.45	22.43	22.35				
16	QPSK	75	0	22.53	22.57	22.30				
16	16QAM	1	0	22.81	22.88	22.82				
16	16QAM	1	37	22.85	22.75	22.55	24	0		
16	16QAM	1	74	22.59	22.58	22.51				
16	16QAM	36	0	21.82	21.87	21.58				
16	16QAM	36	20	21.82	21.80	21.53				
16	16QAM	75	0	21.79	21.83	21.53	23	1		
16	16QAM	75	1	0	21.84	21.88				
16	64QAM	1	37	21.76	21.83	21.78				
16	64QAM	1	74	21.80	21.58	21.53				
16	64QAM	36	0	20.82	20.87	20.47	22	2		
16	64QAM	36	20	20.82	20.82	20.54				
16	64QAM	75	0	20.82	20.87	20.48				
16	256QAM	1	0	18.74	18.75	18.75				
16	256QAM	1	37	18.72	18.80	18.85	19	5		
16	256QAM	1	74	18.80	18.83	18.81				
16	256QAM	36	0	18.67	18.73	18.65				
16	256QAM	36	20	18.79	18.80	18.75				
16	256QAM	75	0	18.75	18.83	18.75	19	5		
16	256QAM	75	1	0	18.75	18.83				
Channel				26740	26665	26590	Turn-up Int. (sec)			
Frequency (MHz)				26740	26665	26590	Turn-up Int. (sec)	MPE (dB)		
16	QPSK	1	0	22.78	22.78	22.80	24	0		
16	QPSK	1	25	22.64	22.72	22.58				
16	QPSK	1	49	22.53	22.63	22.44				
16	QPSK	36	0	22.46	22.61	22.44				
16	QPSK	36	25	22.50	22.51	22.37	24	0		
16	QPSK	36	26	22.37	22.37	22.35				
16	QPSK	50	0	22.43	22.53	22.16				
16	16QAM	1	0	22.74	22.63	22.55				
16	16QAM	1	25	22.73	22.71	22.47	24	0		
16	16QAM	1	49	22.50	22.44	22.47				
16	16QAM	25	0	21.89	21.63	21.51				
16	16QAM	25	12	21.73	21.67	21.44				
16	16QAM	50	0	21.76	21.51	21.45	23	1		
16	16QAM	50	0	21.70	21.63	21.42				
16	64QAM	1	25	21.59	21.78	21.66				
16	64QAM	1	25	21.66	21.71	21.58				
16	64QAM	1	49	21.86	21.49	21.50	23	1		
16	64QAM	25	0	20.79	20.80	20.47				
16	64QAM	25	12	20.81	20.54	20.47				
16	64QAM	25	25	20.71	20.58	20.43				
16	256QAM	1	25	20.71	20.57	20.34	21	2.4		
16	256QAM	1	0	18.69	18.72	18.56				
16	256QAM	1	25	18.66	18.72	18.59				
16	256QAM	1	49	18.74	18.81	18.75				
16	256QAM	25	0	18.52	18.67	18.52	19	5		
16	256QAM	25	12	18.57	18.67	18.69				
16	256QAM	25	25	18.51	18.73	18.66				
16	256QAM	50	0	18.88	18.81	18.67				
Channel				26715	26665	26715	Turn-up Int. (sec)			
Frequency (MHz)				26715	26665	26715	Turn-up Int. (sec)	MPE (dB)		
5	QPSK	1	0	22.82	22.86	22.81	24	0		
5	QPSK	1	12	22.61	22.67	22.60				
5	QPSK	1	24	22.56	22.56	22.41				
5	QPSK	12	0	22.57	22.66	22.50				
5	QPSK	12	7	22.51	22.47	22.39	24	0		
5	QPSK	12	13	22.38	22.40	22.35				
5	QPSK	25	0	22.52	22.54	22.38				
5	16QAM	1	0	22.74	22.75	22.53				
5	16QAM	1	12	22.71	22.68	22.46	24	0		
5	16QAM	1	24	22.52	22.48	22.44				
5	16QAM	12	0	21.67	21.58	21.56				
5	16QAM	12	7	21.69	21.68	21.52				
5	16QAM	12	13	21.72	21.55	21.46	23	1		
5	16QAM	25	0	21.62	21.66	21.38				
5	64QAM	1	0	21.67	21.78	21.65				
5	64QAM	1	12	21.61	21.76	21.72				
5	64QAM	1	24	21.66	21.42	21.49	23	1		
5	64QAM	12	0	20.64	20.62	20.35				
5	64QAM	12	7	20.72	20.59	20.45				
5	64QAM	12	13	20.69	20.47	20.46				
5	256QAM	1	0	20.69	20.55	20.38	21	2.4		
5	256QAM	1	0	18.69	18.72	18.59				
5	256QAM	1	12	18.66	18.76	18.64				
5	256QAM	1	24	18.71	18.72	18.68				
5	256QAM	12	0	18.62	18.70	18.56	19	5		
5	256QAM	12	7	18.67	18.77	18.69				
5	256QAM	12	13	18.61	18.73	18.74				
5	256QAM	25	0	18.81	18.75	18.61				
Channel				26705	26665	26705	Turn-up Int. (sec)			
Frequency (MHz)				26705	26665	26705	Turn-up Int. (sec)	MPE (dB)		
3	QPSK	1	0	22.76	22.78	22.77	24	0		
3	QPSK	1	8	22.63	22.67	22.54				
3	QPSK	1	14	22.58	22.61	22.53				
3	QPSK	8	0	22.49	22.55	22.52				
3	QPSK	8	4	22.52	22.47	22.41	24	0		
3	QPSK	8	7	22.39	22.32	22.30				
3	QPSK	15	0	22.42	22.47	22.17				
3	16QAM	1	0	22.72	22.74	22.52				
3	16QAM	1	8	22.74	22.72	22.54	24	0		
3	16QAM	1	14	22.56	22.43	22.38				
3	16QAM	8	0	21.79	21.61	21.53				
3	16QAM	8	4	21.74	21.68	21.47				
3	16QAM	8	7	21.65	21.56	21.52	23	1		
3	16QAM	15	0	21.79	21.66	21.43				
3	64QAM	1	0	21.63	21.62	21.67				
3	64QAM	1	8	21.72	21.70	21.70				
3	64QAM	1	14	21.68	21.52	21.46	23	1		
3	64QAM	8	0	20.73	20.58	20.55				
3	64QAM	8	4	20.68	20.65	20.39				
3	64QAM	8	7	20.76	20.57	20.41				
3	64QAM	15	0	20.79	20.64	20.42	22	2		
3	256QAM	1	0	18.72	18.74	18.61				
3	256QAM	1	8	18.68	18.76	18.59				
3	256QAM	1	14	18.68	18.67	18.65				
3	256QAM	8	0	18.69	18.65	18.53	19			
3	256QAM	8	4	18.66	18.77	18.63	19	5		
3	256QAM	8	7	18.70	18.71	18.67				
3	256QAM	15	0	18.74	18.73	18.65				
3	256QAM	15	0	18.74	18.73	18.65				
Channel				26697	26665	26703	Turn-up Int. (sec)			
Frequency (MHz)				26697	26665	26703	Turn-up Int. (sec)	MPE (dB)		
1.4	QPSK	1	0	22.74	22.72	22.73	24	0		
1.4	QPSK	1	3	22.83	22.55	22.58				
1.4	QPSK	1	5	22.84	22.50	22.30				
1.4	QPSK	3	0	22.77	22.43	22.31				
1.4	QPSK	3	1	22.83	22.52	22.31	24	0		
1.4	QPSK	3	3	22.71	22.56	22.36				
1.4	QPSK	3	5	22.72	22.43	22.31				
1.4	16QAM	1	0	22.78	22.68	22.51				
1.4	16QAM	1	3	22.82	22.72	22.55	24	0		
1.4	16QAM	1	5	22.80	22.65	22.48				
1.4	16QAM	3	0	22.79	22.60	22.42				
1.4	16QAM	3	1	22.88	22.75	22.31				
1.4	16QAM	3	3	22.74	22.48	22.26	23	1		
1.4	16QAM	6	0	22.69	21.72	21.73				
1.4	16QAM	6	1	21.83	21.97	21.94				
1.4	16QAM	6	2	22.19	21.68	22.24				
1.4	64QAM	1	0	22.16	21.68	21.81	23	1		
1.4	64QAM	1	3	22.01	21.93	21.81				
1.4	64QAM	1	5	22.00	21.76	21.80				
1.4	64QAM	3	0	18.71	18.70	18.68				
1.4	256QAM	1	0	18.67	18.65	18.55	22	2		
1.4	256QAM	1	3	18.72	18.72	18.70				
1.4	256QAM	1	5	18.69	18.61	18.54				
1.4	256QAM	3	0	18.72	18.78	18.58				
1.4	256QAM	3	1	18.75	18.74	18.74	19	5		
1.4	256QAM	3	3	18.73	18.73	18.72				
1.4	256QAM	6	0	18.73	18.73	18.72				
1.4	256QAM	6	0	18.73	18.73	18.72				





Band 38_Ant 2														
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turnup int. (dB)	MFR (dB)						
Channel														
Frequency [MHz]														
20	QPSK	1	5	21.00	21.05	21.10								
20	QPSK	1	49	20.94	20.95	20.96	22	0						
20	QPSK	1	99	20.88	20.88	20.78								
20	QPSK	50	5	20.96	21.02	21.05								
20	QPSK	50	24	20.92	20.92	20.83	22	0						
20	QPSK	50	50	20.85	20.88	20.91								
20	16QAM	1	5	20.94	20.96	20.78								
20	16QAM	1	49	20.91	20.93	20.85	22	0						
20	16QAM	1	99	20.84	21.00	20.99								
20	16QAM	50	5	20.85	20.92	20.91								
20	16QAM	50	24	20.91	20.95	20.81								
20	16QAM	50	50	20.76	20.92	20.74	22	0						
20	16QAM	100	5	20.88	20.88	20.82								
20	16QAM	100	5	20.70	20.89	20.77								
20	64QAM	1	49	20.83	20.95	20.86	22	0						
20	64QAM	1	99	20.91	20.95	20.73								
20	64QAM	50	5	20.81	20.93	20.85								
20	64QAM	50	24	20.85	20.91	20.79	22	0						
20	64QAM	50	50	20.84	20.79	20.74								
20	256QAM	1	49	20.83	20.95	20.86								
20	256QAM	1	99	20.91	20.95	20.73								
20	256QAM	50	5	20.81	20.93	20.85								
20	256QAM	50	24	20.85	20.91	20.79	22	0						
20	256QAM	50	50	20.84	20.79	20.74								
20	256QAM	100	5	20.70	20.89	20.77								
20	256QAM	100	5	19.28	19.38	19.32								
Channel														
Frequency [MHz]														
15	QPSK	1	5	20.96	21.01	20.92								
15	QPSK	1	37	20.79	20.81	20.87	22	0						
15	QPSK	1	74	20.91	20.88	20.87								
15	QPSK	36	5	20.92	20.90	20.93								
15	QPSK	36	20	20.91	20.78	20.68	22	0						
15	QPSK	36	36	20.78	20.75	20.71								
15	QPSK	75	5	20.73	20.91	20.76								
15	16QAM	1	5	20.89	20.83	20.68								
15	16QAM	1	37	20.92	20.84	20.71	22	0						
15	16QAM	1	74	20.82	21.01	20.75								
15	16QAM	36	5	20.71	20.91	20.65								
15	16QAM	36	20	20.78	20.81	20.85	22	0						
15	16QAM	36	36	20.67	20.81	20.61								
15	16QAM	75	5	20.79	20.78	20.74								
15	16QAM	75	5	20.86	20.86	20.86								
15	64QAM	1	37	20.77	20.83	20.72	22	0						
15	64QAM	1	74	20.87	20.82	20.69								
15	64QAM	36	5	20.53	20.92	20.72								
15	64QAM	36	20	20.82	20.75	20.62	22	0						
15	64QAM	36	36	20.71	20.73	20.64								
15	64QAM	75	5	20.81	20.78	20.65								
15	256QAM	1	5	19.96	19.25	19.24								
15	256QAM	1	37	19.21	19.33	19.24	20	2						
15	256QAM	1	74	19.18	19.28	19.18								
15	256QAM	36	5	19.09	19.15	19.14								
15	256QAM	36	20	19.07	19.12	19.10	20	2						
15	256QAM	36	36	19.09	19.32	19.10								
15	256QAM	75	5	19.20	19.25	19.17								
Channel														
Frequency [MHz]														
10	QPSK	1	5	20.98	20.97	20.79								
10	QPSK	1	25	20.88	20.82	20.82	22	0						
10	QPSK	1	49	20.84	20.84	20.75								
10	QPSK	25	5	20.81	20.87	20.84								
10	QPSK	25	12	20.82	20.79	20.81	22	0						
10	QPSK	50	5	20.78	20.79	20.80								
10	QPSK	50	1	20.80	20.90	20.73	22	0						
10	16QAM	1	49	20.85	20.98	20.75								
10	16QAM	25	5	20.81	20.80	20.85								
10	16QAM	25	12	20.90	20.91	20.87	22	0						
10	16QAM	25	25	20.81	20.80	20.87								
10	16QAM	50	5	20.84	20.79	20.76								
10	16QAM	50	1	20.73	20.97	20.88								
10	64QAM	1	25	20.75	20.83	20.84	22	0						
10	64QAM	1	49	20.87	20.81	20.81								
10	64QAM	25	5	20.46	20.85	20.77								
10	64QAM	25	12	20.87	20.87	20.84	22	0						
10	64QAM	25	25	20.74	20.76	20.73								
10	64QAM	50	5	20.63	20.78	20.75								
10	256QAM	1	5	19.14	19.16	19.08								
10	256QAM	1	25	19.33	19.32	19.27	20	2						
10	256QAM	1	49	19.09	19.23	19.14								
10	256QAM	25	5	19.01	19.25	19.10								
10	256QAM	25	12	19.33	19.22	19.11	20	2						
10	256QAM	25	25	19.19	19.20	19.04								
10	256QAM	50	5	19.19	19.30	19.27								
Channel														
Frequency [MHz]														
5	QPSK	1	5	20.95	21.00	20.90								
5	QPSK	1	12	20.79	20.84	20.84	22	0						
5	QPSK	1	24	20.91	20.87	20.85								
5	QPSK	12	5	20.88	21.00	20.94								
5	QPSK	12	7	20.82	20.79	20.68	22	0						
5	QPSK	12	13	20.78	20.82	20.73								
5	QPSK	25	5	20.75	20.77	20.71								
5	16QAM	1	5	20.88	20.93	20.70								
5	16QAM	1	12	20.82	20.78	20.82	22	0						
5	16QAM	1	24	20.89	21.00	20.78								
5	16QAM	12	5	20.76	20.89	20.85								
5	16QAM	12	7	20.89	20.87	20.72	22	0						
5	16QAM	12	13	20.73	20.87	20.63								
5	16QAM	25	5	20.83	20.72	20.69								
5	16QAM	25	1	20.14	20.85	20.81								
5	64QAM	1	12	20.81	20.89	20.89	22	0						
5	64QAM	1	24	20.83	20.84	20.82								
5	64QAM	12	5	20.49	20.80	20.74								
5	64QAM	12	7	20.83	20.73	20.80	22	0						
5	64QAM	12	13	20.71	20.89	20.69								
5	64QAM	25	5	20.65	20.88	20.86								
5	256QAM	1	5	19.09	19.16	19.09								
5	256QAM	1	12	19.21	19.31	19.20	20	2						
5	256QAM	1	24	19.14	19.22	19.08								
5	256QAM	12	5	19.07	19.19	19.12								
5	256QAM	12	7	19.26	19.32	19.19	20	2						
5	256QAM	12	13	19.17	19.32	19.15								
5	256QAM	25	5	19.27	19.31	19.24								

Band 38_Ant 1									
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turnup int. (dB)	MFR (dB)	
Channel									
				37650	38000	38150			
20	QPSK	1	0	16.10	16.17	16.18			
20	QPSK	1	49	16.10	16.16	16.39	17.3	0	
20	QPSK	1	99	16.33	16.35	16.41			
20	QPSK	1	149	16.33	16.34	16.40			
20	QPSK	56	24	16.42	16.56	16.59	17.3	0	
20	QPSK	56	74	16.46	16.47	16.48			
20	QPSK	100	0	16.51	16.51	16.51			
20	HQAM	1	0	16.36	16.63	16.51			
20	HQAM	1	49	16.47	16.58	16.42	17.3	0	
20	HQAM	1	99	16.41	16.50	16.42			
20	HQAM	50	0	16.56	16.44	16.46			
20	HQAM	50	50	16.39	16.52	16.37	17.3	0	
20	HQAM	50	100	16.45	16.48	16.38			
20	HQAM	50	150	16.45	16.45	16.45			
20	HQAM	1	49	16.48	16.52	16.40	17.3	0	
20	HQAM	1	99	16.47	16.61	16.43			
20	HQAM	50	24	16.42	16.54	16.42			
20	HQAM	50	74	16.42	16.54	16.42	17.3	0	
20	HQAM	50	100	16.45	16.53	16.38			
20	HQAM	50	150	16.59	16.59	16.59	17.3	0	
20	HQAM	1	49	16.36	16.62	16.44			
20	HQAM	1	49	16.53	16.44	16.43	17.3	0	
20	HQAM	50	24	16.41	16.51	16.38			
20	HQAM	50	0	16.32	16.40	16.54			
20	HQAM	50	24	16.39	16.53	16.55	17.3	0	
20	HQAM	50	74	16.41	16.53	16.37			
20	HQAM	100	0	16.38	16.59	16.40			
Channel									
				37625	38000	38175	Turnup int. (dB)	MFR (dB)	
				2017.7	2017.7	2017.5			
15	QPSK	1	0	16.14	16.14	16.14			
15	QPSK	1	37	16.37	16.47	16.38	17.3	0	
15	QPSK	1	74	16.22	16.46	16.33			
15	QPSK	1	111	16.24	16.34	16.32			
15	QPSK	36	20	16.41	16.49	16.38	17.3	0	
15	QPSK	36	56	16.31	16.32	16.34			
15	QPSK	36	92	16.48	16.47	16.48			
15	HQAM	1	0	16.34	16.52	16.39			
15	HQAM	1	37	16.43	16.55	16.48	17.3	0	
15	HQAM	1	74	16.44	16.44	16.44			
15	HQAM	36	0	16.32	16.36	16.31			
15	HQAM	36	20	16.31	16.46	16.35	17.3	0	
15	HQAM	36	56	16.43	16.43	16.43			
15	HQAM	79	0	16.35	16.47	16.32			
15	HQAM	1	0	16.49	16.55	16.40			
15	HQAM	1	37	16.48	16.48	16.48	17.3	0	
15	HQAM	1	74	16.37	16.58	16.31			
15	HQAM	36	20	16.40	16.40	16.40			
15	HQAM	36	20	16.40	16.47	16.24			
15	HQAM	36	56	16.43	16.43	16.30			
15	HQAM	36	92	16.44	16.44	16.44	17.3	0	
15	HQAM	36	92	16.26	16.05	16.05			
15	HQAM	1	37	16.40	16.34	16.37	17.3	0	
15	HQAM	36	20	16.50	16.50	16.50			
15	HQAM	36	56	16.17	16.32	16.40			
15	HQAM	36	20	16.38	16.42	16.46	17.3	0	
15	HQAM	36	56	16.46	16.46	16.46			
15	HQAM	79	0	16.26	16.08	16.08			
Channel									
				37600	38000	38010	Turnup int. (dB)	MFR (dB)	
				2017.3	2017.3	2017.0			
10	QPSK	1	0	16.14	16.14	16.14			
10	QPSK	1	26	16.44	16.57	16.44	17.3	0	
10	QPSK	1	49	16.23	16.61	16.27			
10	QPSK	1	72	16.44	16.50	16.44			
10	QPSK	25	12	16.33	16.55	16.41	17.3	0	
10	QPSK	25	39	16.44	16.33	16.38			
10	QPSK	25	56	16.56	16.48	16.48			
10	HQAM	1	0	16.27	16.60	16.44			
10	HQAM	1	26	16.36	16.43	16.29	17.3	0	
10	HQAM	1	49	16.45	16.45	16.45			
10	HQAM	25	0	16.54	16.34	16.41			
10	HQAM	25	12	16.29	16.39	16.33	17.3	0	
10	HQAM	25	39	16.39	16.39	16.39			
10	HQAM	50	0	16.30	16.45	16.31			
10	HQAM	1	0	16.52	16.53	16.42			
10	HQAM	1	26	16.51	16.51	16.51	17.3	0	
10	HQAM	1	49	16.38	16.51	16.38			
10	HQAM	25	0	16.34	16.49	16.46			
10	HQAM	25	12	16.39	16.39	16.39	17.3	0	
10	HQAM	25	39	16.49	16.59	16.49			
10	HQAM	50	0	16.49	16.26	16.43			
10	HQAM	25	26	16.43	16.38	16.29			
10	HQAM	1	26	16.36	16.34	16.28			
10	HQAM	1	49	16.36	16.44	16.27	17.3	0	
10	HQAM	25	12	16.41	16.41	16.41			
10	HQAM	25	39	16.52	16.52	16.52			
10	HQAM	25	12	16.37	16.41	16.38			
10	HQAM	25	0	16.44	16.34	16.28			
10	HQAM	12	7	16.28	16.51	16.37	17.3	0	
10	HQAM	12	0	16.41	16.41	16.41			
10	HQAM	25	0	16.39	16.35	16.37			
10	HQAM	1	0	16.48	16.51	16.49	17.3	0	
10	HQAM	1	26	16.47	16.47	16.47			
10	HQAM	1	24	16.38	16.47	16.40			
10	HQAM	12	0	16.34	16.52	16.50			
10	HQAM	12	7	16.47	16.47	16.47	17.3	0	
10	HQAM	12	13	16.37	16.43	16.22			
10	HQAM	25	0	16.47	16.56	16.44			
10	HQAM	25	0	16.51	16.55	16.55	17.3	0	
10	HQAM	1	12	16.49	16.37	16.42	17.3	0	
10	HQAM	25	24	16.33	16.43	16.25			
10	HQAM	12	0	16.35	16.35	16.35			
10	HQAM	12	7	16.25	16.42	16.31	17.3	0	
Channel									
				37775	38000	38275	Turnup int. (dB)	MFR (dB)	
				2017.3	2017.3	2017.5			
5	QPSK	1	12	16.41	16.44	16.26			
5	QPSK	1	24	16.28	16.47	16.38			
5	QPSK	1	36	16.51	16.51	16.51	17.3	0	
5	QPSK	12	7	16.38	16.49	16.37	17.3	0	
5	HQAM	1	12	16.45	16.37	16.33			
5	HQAM	1	24	16.57	16.47	16.47			
5	HQAM	1	0	16.21	16.62	16.42			
5	HQAM	1	12	16.34	16.46	16.32	17.3	0	
5	HQAM	12	0	16.36	16.36	16.36			
5	HQAM	12	7	16.44	16.34	16.28			
5	HQAM	12	7	16.28	16.51	16.37	17.3	0	
5	HQAM	12	0	16.41	16.41	16.41			
5	HQAM	25	0	16.39	16.35	16.37			
5	HQAM	1	0	16.48	16.51	16.49	17.3	0	
5	HQAM	1	24	16.38	16.47	16.40			
5	HQAM	12	0	16.34	16.52	16.50			
5	HQAM	12	7	16.47	16.47	16.47	17.3	0	
5	HQAM	12	13	16.37	16.43	16.22			
5	HQAM	25	0	16.47	16.56	16.44			
5	HQAM	25	0	16.51	16.55	16.55	17.3	0	
5	HQAM	1	12	16.49	16.37	16.42	17.3	0	
5	HQAM	25	24	16.33	16.43	16.25			
5	HQAM	12	0	16.35	16.35	16.35			
5	HQAM	12	7	16.25	16.42	16.31	17.3	0	
Channel									
				37800	38000	38400	Turnup int. (dB)	MFR (dB)	
				2017.3	2017.3	2017.5			
5	QPSK	1	12	16.43	16.41	16.41			
5	QPSK	1	24	16.43	16.43	16.43	17.3	0	



Band 41_Ant 1																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Mid Ch / Freq.	Power Low High Ch / Freq.	Power High Ch / Freq.	Time-up int. (ms)	MFR (dB)							
Channel																
Frequency (MHz)				39750	40100	40500	41000	41600								
				2469.5	2500.5	2531.5	2562.5									
20	QPSK	1	0	16.65	16.66	16.70	16.62	16.66	17.3	0						
20	QPSK	1	49	16.67	16.67	16.64	16.64	16.63								
20	QPSK	1	99	16.63	16.47	16.58	16.52	16.59								
20	QPSK	50	0	16.62	16.54	16.62	16.61	16.63								
20	QPSK	50	24	16.67	16.64	16.67	16.55	16.56								
20	QPSK	50	20	16.59	16.59	16.54	16.53	16.52	17.3	0						
20	QPSK	100	0	16.60	16.54	16.62	16.61	16.59								
20	16QAM	1	0	16.63	16.46	16.49	16.59	16.55								
20	16QAM	1	99	16.52	16.59	16.59	16.51	16.58								
20	16QAM	50	0	16.60	16.59	16.55	16.57	16.55								
20	16QAM	50	24	16.52	16.48	16.59	16.47	16.52	17.3	0						
20	16QAM	50	20	16.58	16.58	16.58	16.51	16.51								
20	16QAM	100	0	16.51	16.50	16.57	16.48	16.51								
20	64QAM	1	99	16.58	16.58	16.55	16.51	16.51								
20	64QAM	50	0	16.58	16.47	16.66	16.57	16.59								
20	64QAM	50	24	16.53	16.52	16.57	16.47	16.59	17.3	0						
20	64QAM	50	20	16.58	16.57	16.57	16.49	16.55								
20	64QAM	100	0	16.58	16.56	16.55	16.51	16.58								
20	256QAM	1	99	16.58	16.47	16.69	16.52	16.51								
20	256QAM	50	0	16.58	16.56	16.59	16.47	16.54								
20	256QAM	50	24	16.52	16.47	16.58	16.60	16.60	17.3	0						
20	256QAM	50	20	16.54	16.46	16.59	16.60	16.61								
20	256QAM	100	0	16.59	16.56	16.55	16.57	16.58								
20	256QAM	100	0	16.58	16.48	16.69	16.47	16.61								
Channel				39750	40100	40500	41000	41616								
Frequency (MHz)				2469.5	2499.5	2529.5	2559.5		Turn-on int. (ms)	MFR (dB)						
16	QPSK	1	0	16.67	16.64	16.67	16.57	16.64	17.3	0						
16	QPSK	1	97	16.52	16.43	16.59	16.48	16.51								
16	QPSK	1	14	16.63	16.60	16.59	16.52	16.53								
16	QPSK	36	0	16.48	16.49	16.62	16.51	16.51								
16	QPSK	36	20	16.50	16.51	16.50	16.43	16.48								
16	QPSK	36	16	16.58	16.56	16.48	16.43	16.43	17.3	0						
16	QPSK	75	0	16.50	16.40	16.54	16.52	16.50								
16	16QAM	1	0	16.51	16.39	16.59	16.58	16.52								
16	16QAM	1	97	16.52	16.53	16.52	16.49	16.45								
16	16QAM	36	0	16.57	16.52	16.41	16.54	16.47								
16	16QAM	36	20	16.47	16.47	16.50	16.34	16.36	17.3	0						
16	16QAM	36	16	16.48	16.42	16.53	16.44	16.44								
16	16QAM	75	0	16.42	16.48	16.52	16.48	16.45								
16	64QAM	1	97	16.46	16.46	16.56	16.46	16.47								
16	64QAM	1	97	16.51	16.37	16.49	16.41	16.52								
16	64QAM	1	74	16.40	16.44	16.56	16.41	16.39	17.3	0						
16	64QAM	36	0	16.53	16.33	16.59	16.45	16.45								
16	64QAM	36	20	16.39	16.46	16.42	16.34	16.44								
16	64QAM	36	16	16.49	16.47	16.50	16.34	16.49								
16	256QAM	1	0	16.47	16.54	16.52	16.37	16.55								
16	256QAM	1	97	16.47	16.44	16.55	16.47	16.48	17.3	0						
16	256QAM	1	14	16.43	16.48	16.57	16.36	16.53								
16	256QAM	36	0	16.40	16.41	16.49	16.49	16.47								
16	256QAM	36	20	16.52	16.44	16.46	16.36	16.45								
16	256QAM	36	16	16.56	16.53	16.56	16.45	16.48								
16	256QAM	75	0	16.44	16.38	16.49	16.44	16.58	17.3	0						
Channel				39750	40100	40500	41000	41616								
Frequency (MHz)				2469.5	2499.5	2529.5	2559.5				Turn-on int. (ms)	MFR (dB)				
10	QPSK	1	0	16.61	16.56	16.58	16.49	16.62			17.3	0				
10	QPSK	1	25	16.45	16.47	16.54	16.51	16.40								
10	QPSK	1	44	16.63	16.60	16.59	16.52	16.53								
10	QPSK	25	0	16.48	16.49	16.56	16.48	16.59								
10	QPSK	25	12	16.56	16.46	16.48	16.48	16.48								
10	QPSK	25	0	16.56	16.41	16.50	16.47	16.58	17.3	0						
10	16QAM	1	0	16.56	16.38	16.55	16.45	16.42								
10	16QAM	1	49	16.40	16.47	16.50	16.45	16.41								
10	16QAM	1	49	16.58	16.48	16.50	16.40	16.46								
10	16QAM	25	0	16.52	16.44	16.53	16.53	16.40								
10	16QAM	25	12	16.50	16.38	16.46	16.32	16.41	17.3	0						
10	16QAM	25	25	16.52	16.48	16.50	16.48	16.36								
10	16QAM	50	0	16.38	16.42	16.50	16.42	16.41								
10	64QAM	1	0	16.44	16.51	16.49	16.49	16.49								
10	64QAM	1	25	16.58	16.38	16.41	16.47	16.48								
10	64QAM	1	49	16.54	16.37	16.52	16.44	16.49	17.3	0						
10	64QAM	25	0	16.52	16.46	16.53	16.42	16.47								
10	64QAM	25	12	16.52	16.46	16.46	16.44	16.51								
10	64QAM	25	25	16.35	16.46	16.56	16.37	16.53								
10	64QAM	50	0	16.54	16.55	16.50	16.47	16.46								
10	256QAM	1	0	16.49	16.40	16.55	16.44	16.47	17.3	0						
10	256QAM	1	25	16.53	16.42	16.44	16.49	16.35								
10	256QAM	1	99	16.54	16.54	16.47	16.38	16.47								
10	256QAM	25	0	16.50	16.57	16.49	16.45	16.54								
10	256QAM	25	12	16.47	16.39	16.57	16.54	16.49								
10	256QAM	25	25	16.53	16.54	16.52	16.49	16.47	17.3	0						
10	256QAM	50	0	16.46	16.44	16.58	16.49	16.49								
Channel				39750	40100	40500	41000									
Frequency (MHz)				2469.5	2499.5	2529.5	2559.5	2607.5								
5	QPSK	1	0	16.51	16.47	16.58	16.50	16.64	17.3	0						
5	QPSK	1	12	16.42	16.45	16.55	16.48	16.46								
5	QPSK	1	24	16.53	16.44	16.53	16.45	16.45								
5	QPSK	12	0	16.60	16.50	16.56	16.46	16.60								
5	QPSK	12	7	16.62	16.44	16.50	16.53	16.52								
5	QPSK	12	13	16.43	16.35	16.51	16.45	16.50	17.3	0						
5	QPSK	12	19	16.48	16.40	16.52	16.48	16.47								
5	16QAM	1	0	16.58	16.32	16.58	16.46	16.44								
5	16QAM	1	12	16.53	16.51	16.57	16.49	16.49								
5	16QAM	1	24	16.56	16.46	16.48	16.43	16.43								
5	16QAM	12	0	16.45	16.44	16.42	16.48	16.49	17.3	0						
5	16QAM	12	7	16.49	16.37	16.44	16.38	16.40								
5	16QAM	12	13	16.52	16.41	16.49	16.41	16.48								
5	16QAM	12	19	16.40	16.38	16.46	16.45	16.45								
5	64QAM	1	0	16.50	16.53	16.54	16.54	16.47								
5	64QAM	1	12	16.57	16.41	16.54	16.54	16.51	17.3	0						
5	64QAM	1	24	16.50	16.38	16.52	16.41	16.62								
5	64QAM	12	0	16.48	16.33	16.63	16.54	16.52								
5	64QAM	12	7	16.58	16.41	16.58	16.47	16.45								
5	64QAM	12	13	16.46	16.42	16.59	16.47	16.49								
5	64QAM	25	0	16.50	16.41	16.57	16.52	16.55	17.3	0						
5	64QAM	25	12	16.47	16.37	16.57	16.54	16.49								
5	64QAM	25	19	16.48	16.40	16.52	16.48	16.47								
5	256QAM	1	12	16.43	16.50	16.47	16.36	16.54								
5	256QAM	1	24	16.46	16.44	16.38	16.40	16.49								
5	256QAM	12	0	16.44	16.34	16.49	16.56	16.51	17.3	0						
5	256QAM	12	7	16.43	16.43	16.43	16.54	16.49								
5	256QAM	12	13	16.50	16.42	16.59	16.46	16.49								
5	256QAM	25	0	16.46	16.53	16.58	16.49	16.49								
5	256QAM	25	12	16.43	16.33	16.53	16.49	16.49								

Band 42_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Loc Ch / Freq.	Power Mids Ch / Freq.	Power Hgh Ch / Freq.	Turn-up Int. [dB]	MPE [dB]		
Channel				42190	42590	43070				
Frequency [MHz]				3486	3500	3540				
20	QPSK	1	0	18.30	18.40	18.31				
20	QPSK	1	49	18.30	18.34	18.27	19.6	0		
20	QPSK	1	99	18.32	18.32	18.21				
20	QPSK	50	0	18.33	18.38	18.35				
20	QPSK	50	24	18.30	18.30	18.25	19.6	0		
20	QPSK	50	50	18.32	18.31	18.25				
20	QPSK	100	0	18.26	18.33	18.24				
20	16QAM	1	0	18.22	18.33	18.34	19.6	0		
20	16QAM	1	49	18.21	18.38	18.23				
20	16QAM	1	99	18.29	18.27	18.24				
20	16QAM	50	0	18.21	18.31	18.27				
20	16QAM	50	24	18.19	18.30	18.25	19.6	0		
20	16QAM	50	50	18.27	18.36	18.22				
20	16QAM	100	0	18.18	18.30	18.34				
20	64QAM	1	0	18.22	18.30	18.30				
20	64QAM	1	49	18.21	18.25	18.38	19.6	0		
20	64QAM	1	99	18.27	18.32	18.33				
20	64QAM	50	0	17.70	17.69	17.72				
20	64QAM	50	24	17.71	17.79	17.79	19	0.6		
20	64QAM	50	50	17.74	17.71	17.70				
20	64QAM	100	0	17.63	17.76	17.74				
20	256QAM	1	0	15.58	15.66	15.51				
20	256QAM	1	49	15.43	15.55	15.48	17	2.6		
20	256QAM	1	99	15.51	15.68	15.48				
20	256QAM	50	0	15.67	15.68	15.58				
20	256QAM	50	24	15.57	15.69	15.67	17	2.6		
20	256QAM	50	50	15.54	15.62	15.54				
20	256QAM	100	0	15.43	15.59	15.44				
Channel				42165	42590	43035	Turn-up Int. [dB] <td>MPE [dB]</td> <th colspan="2"></th>	MPE [dB]		
Frequency [MHz]				3487.5	3500	3540				
16	QPSK	1	0	18.19	18.32	18.30				
16	QPSK	1	37	18.08	18.28	18.15	19.6	0		
16	QPSK	1	74	18.15	18.31	18.30				
16	QPSK	36	0	18.25	18.32	18.22				
16	QPSK	36	20	18.09	18.26	18.13	19.6	0		
16	QPSK	36	36	18.17	18.28	18.25				
16	QPSK	75	0	18.18	18.24	18.15				
16	16QAM	1	0	18.21	18.25	18.23	19.6	0		
16	16QAM	1	37	18.16	18.34	18.24				
16	16QAM	1	74	18.27	18.18	18.10				
16	16QAM	36	0	18.12	18.20	18.26				
16	16QAM	36	20	18.08	18.20	18.24	19.6	0		
16	16QAM	36	36	18.26	18.31	18.18				
16	16QAM	75	0	18.03	18.29	18.23				
16	64QAM	1	0	18.10	18.24	18.31				
16	64QAM	1	37	18.08	18.25	18.27	19.6	0		
16	64QAM	1	74	18.26	18.26	18.18				
16	64QAM	36	0	17.57	17.65	17.65				
16	64QAM	36	20	17.66	17.76	17.72	19	0.6		
16	64QAM	36	36	17.70	17.58	17.64				
16	64QAM	75	0	17.49	17.61	17.64				
16	256QAM	1	0	15.50	15.55	15.45				
16	256QAM	1	37	15.52	15.48	15.45	17	2.6		
16	256QAM	1	74	15.45	15.43	15.54				
16	256QAM	36	0	15.49	15.66	15.58				
16	256QAM	36	20	15.52	15.65	15.66	17	2.6		
16	256QAM	36	36	15.47	15.60	15.42				
16	256QAM	75	0	15.42	15.48	15.39				
Channel				42160	42590	43035	Turn-up Int. [dB] <td>MPE [dB]</td> <th colspan="2"></th>	MPE [dB]		
Frequency [MHz]				3486	3500	3540				
10	QPSK	1	0	18.25	18.36	18.23				
10	QPSK	1	25	18.16	18.32	18.14	19.6	0		
10	QPSK	1	49	18.23	18.30	18.23				
10	QPSK	25	0	18.13	18.28	18.13				
10	QPSK	25	12	18.09	18.29	18.18	19.6	0		
10	QPSK	25	24	18.13	18.17	18.21				
10	QPSK	50	0	18.14	18.23	18.12				
10	16QAM	1	0	18.13	18.19	18.31	19.6	0		
10	16QAM	1	25	18.07	18.29	18.17				
10	16QAM	1	49	18.18	18.19	18.10				
10	16QAM	25	0	18.11	18.30	18.15				
10	16QAM	25	12	18.13	18.29	18.18	19.6	0		
10	16QAM	25	24	18.16	18.34	18.18				
10	16QAM	50	0	18.17	18.26	18.27				
10	64QAM	1	0	18.19	18.34	18.29				
10	64QAM	1	25	18.11	18.13	18.34	19.6	0		
10	64QAM	1	49	18.22	18.31	18.30				
10	64QAM	25	0	17.55	17.63	17.70				
10	64QAM	25	12	17.70	17.68	17.67	19	0.6		
10	64QAM	25	24	17.66	17.67	17.66				
10	64QAM	50	0	17.53	17.68	17.71				
10	256QAM	1	0	15.52	15.62	15.40				
10	256QAM	1	25	15.34	15.47	15.28	17	2.6		
10	256QAM	1	49	15.49	15.45	15.47				
10	256QAM	25	0	15.54	15.66	15.52				
10	256QAM	25	12	15.62	15.65	15.58	17	2.6		
10	256QAM	25	24	15.43	15.53	15.33				
10	256QAM	50	0	15.44	15.45	15.35				
Channel				42155	42590	43035	Turn-up Int. [dB] <td>MPE [dB]</td> <th colspan="2"></th>	MPE [dB]		
Frequency [MHz]				3487.5	3500	3540				
5	QPSK	1	0	18.18	18.38	18.29				
5	QPSK	1	12	18.19	18.32	18.12	19.6	0		
5	QPSK	1	24	18.08	18.33	18.15				
5	QPSK	12	0	18.15	18.30	18.19				
5	QPSK	12	7	18.05	18.16	18.20	19.6	0		
5	QPSK	12	13	18.16	18.10	18.15				
5	QPSK	25	0	18.24	18.22	18.18				
5	16QAM	1	0	18.17	18.28	18.33	19.6	0		
5	16QAM	1	12	18.19	18.36	18.08				
5	16QAM	1	24	18.18	18.14	18.18				
5	16QAM	12	0	18.17	18.28	18.13	19.6	0		
5	16QAM	12	7	18.11	18.24	18.17				
5	16QAM	12	13	18.19	18.24	18.20				
5	16QAM	25	0	18.10	18.23	18.24				
5	64QAM	1	0	18.19	18.34	18.29				
5	64QAM	1	12	18.17	18.18	18.26	19.6	0		
5	64QAM	1	24	18.21	18.29	18.21				
5	64QAM	12	0	17.68	17.68	17.63				
5	64QAM	12	7	17.62	17.70	17.61	19	0.6		
5	64QAM	12	13	17.52	17.74	17.61				
5	256QAM	1	0	15.45	15.62	15.43				
5	256QAM	1	12	15.38	15.42	15.37	17	2.6		
5	256QAM	1	24	15.44	15.57	15.33				
5	256QAM	12	0	15.50	15.55	15.49				
5	256QAM	12	7	15.38	15.69	15.58	17	2.6		
5	256QAM	12	13	15.44	15.62	15.50				
5	256QAM	25	0	15.37	15.48	15.39				

Band 42_Ant 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Loc Ch / Freq.	Power Mids Ch / Freq.	Power Hgh Ch / Freq.	Turn-up Int. [dB]	MPE [dB]		
Channel										
				42150	42500	42500				
20	QPSK	1	0	23.52	23.63	23.55				
20	QPSK	1	49	23.49	23.50	23.45	24	0		
20	QPSK	1	99	23.42	23.42	23.52				
20	QPSK	50	0	23.44	23.50	23.45				
20	QPSK	50	24	23.24	23.24	23.34	24	0		
20	QPSK	50	50	23.37	23.28	23.38				
20	QPSK	100	0	23.21	23.42	23.40				
20	16QAM	1	0	23.51	23.58	23.61				
20	16QAM	1	49	23.23	23.28	23.33	24	0		
20	16QAM	1	99	23.43	23.45	23.48				
20	16QAM	50	0	23.36	23.51	23.39				
20	16QAM	50	24	23.24	23.24	23.34	24	0		
20	16QAM	50	50	23.37	23.28	23.38				
20	16QAM	100	0	23.29	23.32	23.36				
20	16QAM	100	49	23.42	23.42	23.42	24	0		
20	16QAM	1	49	23.58	23.51	23.62				
20	16QAM	1	99	23.62	23.45	23.12				
20	16QAM	50	24	23.24	23.24	23.34	24	0		
20	16QAM	50	50	23.44	23.43	23.43				
20	16QAM	50	50	23.22	23.43	23.41				
20	256QAM	1	0	19.81	19.91	19.84				
20	256QAM	1	49	19.90	20.02	19.83				
20	256QAM	50	0	19.88	19.14	19.09				
20	256QAM	50	50	19.97	20.06	19.95				
20	256QAM	50	24	20.04	20.13	20.06				
20	256QAM	50	50	20.04	20.13	20.06	24	3		
20	256QAM	100	0	20.05	20.13	20.07				
Channel										
				42165	42500	42505				
15	Frequency [MHz]	0	23.58	23.67	23.61		Turn-up Int. [dB]	MPE [dB]		
15	QPSK	1	37	23.34	23.42	23.37				
15	QPSK	1	74	23.34	23.30	23.38	24	0		
15	QPSK	1	111	23.37	23.40	23.40				
15	QPSK	36	20	23.13	23.19	23.22	24	0		
15	QPSK	36	56	23.26	23.15	23.22				
15	QPSK	36	92	23.07	23.29	23.29				
15	16QAM	1	0	23.43	23.43	23.47				
15	16QAM	1	37	23.08	23.21	23.45	24	0		
15	16QAM	1	74	23.17	23.37	23.37				
15	16QAM	36	0	23.23	23.44	23.23				
15	16QAM	36	20	23.27	23.27	23.24	24	0		
15	16QAM	36	56	23.27	23.42	23.25				
15	16QAM	75	0	23.27	23.42	23.25				
15	16QAM	1	0	23.41	23.45	23.49				
15	16QAM	1	37	23.47	23.48	23.48	24	0		
15	16QAM	1	74	23.48	23.32	23.54				
15	16QAM	36	20	23.27	23.20	23.24				
15	16QAM	36	20	23.32	23.32	23.32	24	1		
15	16QAM	36	56	23.20	23.27	23.25				
15	16QAM	75	0	23.26	23.26	23.26				
15	16QAM	1	0	19.74	19.90	19.77				
15	256QAM	1	37	19.78	19.88	19.78				
15	256QAM	1	74	19.80	19.80	19.80	24	3		
15	256QAM	36	20	19.86	19.95	19.85				
15	256QAM	36	20	20.01	19.88	19.81				
15	256QAM	75	0	19.88	19.88	19.88	24	3		
Channel										
				42160	42500	42500				
10	Frequency [MHz]	0	23.57	23.69	23.60		Turn-up Int. [dB]	MPE [dB]		
10	QPSK	1	26	23.39	23.37	23.31				
10	QPSK	1	49	23.36	23.30	23.41	24	0		
10	QPSK	1	72	23.37	23.41	23.41				
10	QPSK	25	12	23.13	23.16	23.22	24	0		
10	QPSK	25	26	23.26	23.21	23.27				
10	QPSK	25	50	23.07	23.29	23.29				
10	16QAM	1	0	23.46	23.47	23.49				
10	16QAM	1	26	23.18	23.19	23.36	24	0		
10	16QAM	1	49	23.30	23.30	23.30				
10	16QAM	25	0	23.28	23.40	23.28				
10	16QAM	25	12	23.24	23.19	23.29	24	0		
10	16QAM	25	26	23.34	23.41	23.35				
10	16QAM	50	0	23.34	23.43	23.31				
10	16QAM	1	0	23.27	23.34	23.31				
10	16QAM	25	0	23.29	23.30	23.25	24	0		
10	16QAM	1	49	23.57	23.32	23.04				
10	16QAM	25	0	23.28	23.34	23.25				
10	16QAM	25	12	23.28	23.34	23.25	24	3		
10	16QAM	25	26	23.27	23.32	23.21				
10	16QAM	50	0	23.08	23.48	23.08				
10	256QAM	1	26	19.75	19.88	19.81				
10	256QAM	1	49	19.83	19.89	19.87	24	3		
10	256QAM	25	12	19.83	19.83	19.83				
10	256QAM	25	12	19.96	20.08	19.95				
10	256QAM	50	0	19.88	19.88	19.88	24	3		
10	256QAM	50	26	20.02	19.99	20.07				
Channel										
				42115	42500	42505				
5	Frequency [MHz]	0	23.23	23.36	23.45		Turn-up Int. [dB]	MPE [dB]		
5	QPSK	1	12	23.42	23.41	23.35				
5	QPSK	1	24	23.33	23.30	23.45	24	0		
5	QPSK	1	36	23.37	23.41	23.41				
5	QPSK	12	7	23.17	23.23	23.23	24	0		
5	QPSK	12	18	23.28	23.14	23.21				
5	QPSK	12	30	23.07	23.27	23.27				
5	16QAM	1	0	23.46	23.47	23.54				
5	16QAM	1	12	23.17	23.22	23.43	24	0		
5	16QAM	1	24	23.28	23.28	23.35				
5	16QAM	12	0	23.25	23.45	23.25				
5	16QAM	12	7	23.20	23.27	23.29	24	0		
5	16QAM	12	18	23.41	23.41	23.41				
5	16QAM	25	0	23.25	23.37	23.23				
5	16QAM	1	0	22.91	23.32	22.96				
5	16QAM	12	0	23.49	23.49	23.49	24	0		
5	16QAM	1	24	23.49	23.33	23.07				
5	16QAM	12	0	23.32	23.26	23.26				
5	16QAM	12	7	23.33	23.29	23.33	24	3		
5	16QAM	12	18	23.24	23.30	23.27				
5	16QAM	25	0	22.12	23.31	22.12				
5	256QAM	1	12	19.88	19.88	19.88	24	3		
5	256QAM	12	0	19.84	20.01	19.92				
5	256QAM	12	18	19.83	20.03	19.93				
5	256QAM	12	7	19.89	20.11	19.95				
5	256QAM	12	18	20.02	20.16	19.95	24	3		



n2_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 37000	Power Middle Ch. Freq. 37600	Power High Ch. Freq. 38000	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				1860	1860	1860					
20	PUSC BPSK	1	1	19.31	19.26	19.28					
20	PUSC BPSK	1	53	19.27	19.25	19.23	20.5	0.0			
20	PUSC BPSK	1	104	19.28	19.32	19.21					
20	PUSC BPSK	50	0	19.29	19.25	19.20	20.5	0.0			
20	PUSC BPSK	50	28	19.29	19.29	19.20	20.5	0.0			
20	PUSC BPSK	50	56	19.23	19.31	19.21	20.5	0.0			
20	PUSC BPSK	100	0	19.34	19.32	19.20					
20	QPSK	1	1	19.35	19.38	19.35					
20	QPSK	1	53	19.21	19.20	19.18	20.5	0.0			
20	QPSK	1	104	19.26	19.26	19.26					
20	QPSK	50	0	19.25	19.28	19.21	20.5	0.0			
20	QPSK	50	28	19.31	19.33	19.25	20.5	0.0			
20	QPSK	50	56	19.23	19.27	19.27	20.5	0.0			
20	QPSK	100	0	19.23	19.29	19.16					
20	16QAM	1	1	19.25	19.31	19.27	20.5	0.0			
20	64QAM	1	1	19.29	19.33	19.20	20.5	0.0			
20	256QAM	1	1	19.29	19.26	19.19	20.5	0.0			
Channel											
Frequency (MHz)											
				1857.5	1860	1902.5					
15	QPSK	1	1	19.25	19.30	19.26	20.5	0.0			
Channel											
Frequency (MHz)											
				1855	1860	1905					
10	QPSK	1	1	19.83	19.31	19.77	20.5	0.0			
Channel											
Frequency (MHz)											
				1852.5	1860	1907.5					
5	QPSK	1	1	19.27	19.24	19.19	20.5	0.0			

n2_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				37000	37000	37000					
20	PUSC BPSK	1	1	13.99	14.10	14.01					
20	PUSC BPSK	1	53	14.06	14.05	13.99	15.5	0.0			
20	PUSC BPSK	1	104	13.93	13.99	14.02					
20	PUSC BPSK	50	0	14.06	14.02	13.99	15.5	0.0			
20	PUSC BPSK	50	28	13.95	14.03	13.97	15.5	0.0			
20	PUSC BPSK	50	56	13.94	14.07	14.03					
20	PUSC BPSK	100	0	14.00	13.97	13.97	15.5	0.0			
20	QPSK	1	1	14.03	14.12	14.02					
20	QPSK	1	53	14.04	14.02	13.97	15.5	0.0			
20	QPSK	1	104	13.96	14.00	14.00					
20	QPSK	50	0	13.96	14.07	13.96	15.5	0.0			
20	QPSK	50	28	14.07	14.10	14.10	15.5	0.0			
20	QPSK	50	56	13.97	13.98	13.96	15.5	0.0			
20	QPSK	100	0	13.96	14.06	13.97					
20	16QAM	1	1	13.99	14.01	13.93	15.5	0.0			
20	64QAM	1	1	14.07	14.05	14.02	15.5	0.0			
20	256QAM	1	1	13.96	14.07	13.97	15.5	0.0			
Channel											
Frequency (MHz)											
				1857.5	1860	1902.5					
15	QPSK	1	1	13.93	14.11	13.96	15.5	0.0			
Channel											
Frequency (MHz)											
				1855	1860	1905					
10	QPSK	1	1	13.99	13.98	14.02	15.5	0.0			
Channel											
Frequency (MHz)											
				1852.5	1860	1907.5					
5	QPSK	1	1	13.99	14.02	13.99	15.5	0.0			

n2_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low 375000 1860	Power Middle 375000 1860	Power High 390000 1860	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				1860	1860	1860					
20	PUSC BPSK	1	1	20.22	20.17	20.18					
20	PUSC BPSK	1	53	20.22	20.19	20.11	22.0	0.0			
20	PUSC BPSK	1	104	20.09	20.15	20.17					
20	PUSC BPSK	50	0	20.15	20.18	20.21	22.0	0.0			
20	PUSC BPSK	50	28	20.21	20.18	20.14	22.0	0.0			
20	PUSC BPSK	50	56	20.20	20.26	20.12	22.0	0.0			
20	PUSC BPSK	100	0	20.10	20.26	20.12					
20	QPSK	1	1	20.25	20.26	20.22					
20	QPSK	1	53	20.19	20.26	20.09	22.0	0.0			
20	QPSK	1	104	20.23	20.25	20.07					
20	QPSK	50	0	20.20	20.21	20.09	22.0	0.0			
20	QPSK	50	28	20.21	20.25	20.20	22.0	0.0			
20	QPSK	50	56	20.09	20.21	20.14	22.0	0.0			
20	QPSK	100	0	20.16	20.21	20.11					
20	16QAM	1	1	20.17	20.27	20.11	22.0	0.0			
20	64QAM	1	1	20.11	20.27	20.11	21.5	0.0			
20	256QAM	1	1	18.56	18.53	18.48	19.5	2.5			
Channel											
Frequency (MHz)											
				1857.5	1860	1902.5					
15	QPSK	1	1	20.21	20.24	20.18	22.0	0.0			
Channel											
Frequency (MHz)											
				1855	1860	1905					
10	QPSK	1	1	20.22	20.17	20.20	22.0	0.0			
Channel											
Frequency (MHz)											
				1852.5	1860	1907.5					
5	QPSK	1	1	20.18	20.16	20.15	22.0	0.0			



n5_Ant 0									
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				844	846.5	848			
Frequency [MHz]									
36	PQ2 BPSK	1	1	22.60	22.82	22.77			
30	PQ2 BPSK	1	53	22.67	22.84	22.58	24.0	0.0	
36	PQ2 BPSK	1	104	22.58	22.55	22.47			
36	PQ2 BPSK	50	0	22.71	22.71	22.63	23.5	0.5	
30	PQ2 BPSK	50	38	22.68	22.66	22.58	24.0	0.0	
36	PQ2 BPSK	50	46	22.59	22.59	22.54	23.5	0.5	
36	PQ2 BPSK	100	0	22.72	22.73	22.67	23.5	0.5	
20	QPSK	1	1	22.55	22.84	22.77			
20	QPSK	1	53	22.72	22.68	22.64	24.0	0.0	
20	QPSK	1	104	22.58	22.58	22.52			
20	QPSK	50	0	22.70	22.74	22.70	23.0	1.0	
20	QPSK	50	38	22.75	22.75	22.75	24.0	0.0	
20	QPSK	50	56	22.69	22.58	22.54	23.0	1.0	
20	QPSK	100	0	22.81	22.67	22.84			
20	8QAM	1	1	22.51	22.50	22.44	23.0	1.0	
20	64QAM	1	1	21.42	21.42	21.36	21.5	2.5	
20	256QAM	1	1	19.33	19.33	19.27	19.5	4.5	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				831.5	836.5	841.5			
15	QPSK	1	1	22.70	22.71	22.63	24.0	0.0	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				829	836.5	844			
10	QPSK	1	1	22.78	22.67	22.66	24.0	0.0	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				826.5	836.5	846.5			
5	QPSK	1	1	22.72	22.73	22.67	24.0	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [FHz]	Power Middle Ch. F [FHz]	Power High Ch. F [FHz]	Tune-up limit (dBm)	MPR (dB)	
Channel				834	846.5	848			
Frequency [MHz]									
36	PQ2 BPSK	1	1	21.40	21.59	21.43			
30	PQ2 BPSK	1	53	21.50	21.59	21.56	23.0	0.0	
36	PQ2 BPSK	1	104	21.38	21.40	21.37			
30	PQ2 BPSK	50	0	21.44	21.56	21.53	23.0	0.0	
30	PQ2 BPSK	50	38	21.42	21.46	21.43	23.0	0.0	
36	PQ2 BPSK	50	56	21.40	21.45	21.40			
36	PQ2 BPSK	100	0	21.40	21.58	21.42	23.0	0.0	
20	QPSK	1	1	21.52	21.50	21.57			
20	QPSK	1	53	21.46	21.49	21.56	23.0	0.0	
20	QPSK	1	104	21.38	21.58	21.51			
20	QPSK	50	0	21.37	21.52	21.42	23.0	0.0	
20	QPSK	50	38	21.51	21.55	21.51	23.0	0.0	
20	QPSK	50	56	21.37	21.46	21.53	23.0	0.0	
20	QPSK	100	0	21.44	21.50	21.44			
20	16QAM	1	1	21.45	21.50	21.48	23.0	0.0	
20	8QAM	1	1	20.68	20.87	20.84	21.5	1.5	
20	256QAM	1	1	18.98	18.97	18.93	19.5	3.5	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				831.5	836.5	841.5			
15	QPSK	1	1	21.41	21.51	21.47	23.0	0.0	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				829	836.5	844			
10	QPSK	1	1	21.47	21.48	21.52	24.0	0.0	
Channel				833.0	835.0	840.0	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				826.5	836.5	846.5			
5	QPSK	1	1	21.39	21.56	21.51	23.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [FHz]	Power Middle Ch. F [FHz]	Power High Ch. F [FHz]	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	504000	504000			
Frequency [MHz]									
40	PQ2 BPSK	1	1	20.23	20.28	20.19			
40	PQ2 BPSK	1	100	20.11	20.20	20.24	21.0	0.0	
40	PQ2 BPSK	1	214	20.22	20.18	20.26			
40	PQ2 BPSK	100	0	20.24	20.28	20.23	21.0	0.0	
40	PQ2 BPSK	100	54	20.11	20.24	20.15	21.0	0.0	
40	PQ2 BPSK	100	100	20.11	20.20	20.13			
40	PQ2 BPSK	216	0	20.14	20.26	20.18	21.0	0.0	
40	QPSK	1	1	20.25	20.35	20.30			
40	QPSK	1	100	20.11	20.28	20.19	21.0	0.0	
40	QPSK	1	214	20.17	20.30	20.19			
40	QPSK	100	0	20.20	20.19	20.14	21.0	0.0	
40	QPSK	100	54	20.22	20.20	20.27	21.0	0.0	
40	QPSK	100	100	20.18	20.27	20.26	21.0	0.0	
40	QPSK	216	0	20.19	20.26	20.22			
40	16QAM	1	1	20.32	20.25	20.14	21.0	0.0	
40	8QAM	1	1	20.18	20.26	20.18	21.0	0.0	
40	256QAM	1	1	19.84	19.93	19.80	21.0	0.0	
Channel				503000	503000	503000	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2515	2515	2550			
30	QPSK	1	1	20.21	20.18	20.18	21.0	0.0	
Channel				502500	502500	502500	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2512.5	2515	2557.5			
25	QPSK	1	1	20.10	20.30	20.17	21.0	0.0	
Channel				502000	502000	502000	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2510	2515	2560			
20	QPSK	1	1	20.11	20.27	20.19	21.0	0.0	
Channel				501500	501500	501500	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2507.5	2515	2562.5			
15	QPSK	1	1	20.19	20.27	20.27	21.0	0.0	
Channel				501000	501000	501000	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2508	2515	2560			
10	QPSK	1	1	20.29	20.23	20.20	21.0	0.0	
Channel				500500	500500	500500	Turn-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2502.5	2515	2567.5			
5	QPSK	1	1	20.16	20.23	20.18	21.0	0.0	



n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mode Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PQ-BPSK	1	1	16.05	16.10	16.15			
40	PQ-BPSK	1	108	16.11	16.18	16.15	17.0	0.0	
40	PQ-BPSK	1	214	16.15	16.24	16.17			
40	PQ-BPSK	108	0	16.07	16.27	16.10	17.0	0.0	
40	PQ-BPSK	108	54	16.07	16.26	16.08	17.0	0.0	
40	PQ-BPSK	108	108	16.17	16.25	16.15			
40	PQ-BPSK	216	0	16.09	16.18	16.12	17.0	0.0	
40	QPSK	1	1	16.20	16.23	16.22			
40	QPSK	1	108	16.19	16.23	16.20	17.0	0.0	
40	QPSK	1	214	16.16	16.19	16.09			
40	QPSK	108	0	16.12	16.19	16.07	17.0	0.0	
40	QPSK	108	54	16.13	16.23	16.10	17.0	0.0	
40	QPSK	108	108	16.13	16.16	16.16	17.0	0.0	
40	QPSK	216	0	16.13	16.21	16.14			
40	BQAM	1	1	16.14	16.14	16.20	17.0	0.0	
40	BQAM	1	1	16.18	16.19	16.06	17.0	0.0	
40	25QAM	1	1	16.16	16.20	16.11	17.0	0.0	
Channel				50300.0	50700.0	51300.0	Tune-up limit	MPR	
Frequency [MHz]				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	16.15	16.19	16.20	17.0	0.0	
Channel				50300.0	50700.0	51300.0	Tune-up limit	MPR	
Frequency [MHz]				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	16.08	16.10	16.09	17.0	0.0	
Channel				50200.0	50600.0	51200.0	Tune-up limit	MPR	
Frequency [MHz]				2510	2530	2550	(dBm)	(dB)	
20	QPSK	1	1	15.13	15.87	15.52	17.0	0.0	
Channel				50150.0	50200.0	51200.0	Tune-up limit	MPR	
Frequency [MHz]				2507.5	2530	2552.5	(dBm)	(dB)	
15	QPSK	1	1	16.03	16.20	16.15	17.0	0.0	
Channel				50100.0	50200.0	51300.0	Tune-up limit	MPR	
Frequency [MHz]				2505	2530	2555	(dBm)	(dB)	
10	QPSK	1	1	16.17	16.24	16.10	17.0	0.0	
Channel				50050.0	50200.0	51300.0	Tune-up limit	MPR	
Frequency [MHz]				2502.5	2530	2557.5	(dBm)	(dB)	
5	QPSK	1	1	16.18	16.18	16.12	17.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mode Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
				56400	56700	57000			
40	PQ-BPSK	1	1	17.48	17.51	17.47			
40	PQ-BPSK	1	108	17.55	17.53	17.48	19.0	0.0	
40	PQ-BPSK	1	214	17.52	17.45	17.50			
40	PQ-BPSK	108	0	17.53	17.56	17.47	19.0	0.0	
40	PQ-BPSK	108	54	17.48	17.55	17.57	19.0	0.0	
40	PQ-BPSK	108	108	17.57	17.40	17.50			
40	PQ-BPSK	216	0	17.46	17.58	17.45	19.0	0.0	
40	QPSK	1	1	17.50	17.50	17.52			
40	QPSK	1	108	17.49	17.46	17.44	19.0	0.0	
40	QPSK	1	214	17.45	17.58	17.50			
40	QPSK	108	0	17.50	17.46	17.45	19.0	0.0	
40	QPSK	108	54	17.55	17.55	17.55	19.0	0.0	
40	QPSK	108	108	17.53	17.52	17.44	19.0	0.0	
40	QPSK	216	0	17.54	17.55	17.48			
40	BQAM	1	1	17.48	17.48	17.48	19.0	0.0	
40	BQAM	1	1	17.50	17.52	17.45	19.0	0.0	
40	25QAM	1	1	17.49	17.51	17.50	19.0	0.0	
Channel				56200.0	56200.0	51600.0	Tune-up limit	MPR	
Frequency [MHz]				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	17.51	17.45	17.59	19.0	0.0	
Channel				56250.0	56200.0	51600.0	Tune-up limit	MPR	
Frequency [MHz]				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	17.52	17.59	17.50	19.0	0.0	
Channel				56200.0	56200.0	51500.0	Tune-up limit	MPR	
Frequency [MHz]				2510	2535	2550	(dBm)	(dB)	
20	QPSK	1	1	17.45	17.52	17.49	19.0	0.0	
Channel				56100.0	56200.0	51500.0	Tune-up limit	MPR	
Frequency [MHz]				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	17.44	17.59	17.51	19.0	0.0	
Channel				56100.0	56200.0	51500.0	Tune-up limit	MPR	
Frequency [MHz]				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	17.47	17.59	17.49	19.0	0.0	
Channel				56050.0	56200.0	51500.0	Tune-up limit	MPR	
Frequency [MHz]				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	17.49	17.51	17.44	19.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Mid/Low	Power High	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
				346000	346000	349000			
40	PQ-BPSK	1	1	22.81	22.73	22.57			
40	PQ-BPSK	1	108	22.75	22.68	22.51	24.0	0.0	
40	PQ-BPSK	1	214	22.76	22.72	22.56			
40	PQ-BPSK	108	0	22.69	22.64	22.49	23.5	0.5	
40	PQ-BPSK	108	54	22.65	22.58	22.43	24.0	0.0	
40	PQ-BPSK	108	108	22.71	22.61	22.43	23.5	0.5	
40	PQ-BPSK	216	0	22.73	22.65	22.47			
40	QPSK	1	1	22.72	22.65	22.57			
40	QPSK	1	108	22.76	22.71	22.56	24.0	0.0	
40	QPSK	1	214	22.76	22.70	22.53			
40	QPSK	108	0	22.70	22.70	22.55	23.0	1.0	
40	QPSK	108	54	22.71	22.65	22.50	24.0	0.0	
40	QPSK	108	108	22.73	22.64	22.44	23.0	1.0	
40	QPSK	216	0	22.64	22.70	22.56			
40	BQAM	1	1	22.76	22.65	22.45	23.0	1.0	
40	BQAM	1	1	21.75	21.66	21.50	22.0	2.0	
40	25QAM	1	1	20.34	20.28	20.08	21.0	3.0	
Channel				345000	345000	349000	Tune-up limit	MPR	
Frequency [MHz]				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.71	22.67	22.45	24.0	0.0	
Channel				344000	345000	346000	Tune-up limit	MPR	
Frequency [MHz]				1720	1745	1770	(dBm)	(dB)	
25	QPSK	1	1	22.70	22.71	22.43	24.0	0.0	
Channel				343000	345000	347000	Tune-up limit	MPR	
Frequency [MHz]				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	22.69	22.63	22.40	24.0	0.0	
Channel				342000	345000	348000	Tune-up limit	MPR	
Frequency [MHz]				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	22.70	22.72	22.44	24.0	0.0	
Channel				341000	345000	349000	Tune-up limit	MPR	
Frequency [MHz]				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	22.75	22.68	22.42	24.0	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	352000			
Frequency (MHz)				1740	1745	1748			
40	PUSC BPSK	1	1	14.28	14.29	14.31			
40	PUSC BPSK	1	108	14.30	14.37	14.20	15.5	0.0	
40	PUSC BPSK	1	214	14.23	14.32	14.22			
40	PUSC BPSK	108	0	14.33	14.35	14.21	15.5	0.0	
40	PUSC BPSK	108	54	14.32	14.36	14.29	15.5	0.0	
40	PUSC BPSK	108	108	14.30	14.33	14.26	15.5	0.0	
40	PUSC BPSK	216	0	14.31	14.32	14.32	15.5	0.0	
40	QPSK	1	1	14.31	14.38	14.13			
40	QPSK	1	108	14.28	14.27	14.28	15.5	0.0	
40	QPSK	1	214	14.24	14.32	14.19			
40	QPSK	108	0	14.20	14.26	14.29	15.5	0.0	
40	QPSK	108	54	14.23	14.32	14.11	15.5	0.0	
40	QPSK	108	108	14.24	14.30	14.27	15.5	0.0	
40	QPSK	216	0	14.25	14.31	14.21	15.5	0.0	
40	16QAM	1	1	14.32	14.25	14.18	15.5	0.0	
40	64QAM	1	1	14.25	14.26	14.22	15.5	0.0	
40	256QAM	1	1	14.30	14.31	14.30	15.5	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1745	1745	1745	(dBm)	(dB)	
30	QPSK	1	1	14.20	14.26	14.23	15.5	0.0	
Channel				346000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1750	1745	1750	(dBm)	(dB)	
20	QPSK	1	1	14.27	14.33	14.29	15.5	0.0	
Channel				347000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	14.30	14.28	14.19	15.5	0.0	
Channel				348000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	14.33	14.29	14.17	15.5	0.0	
Channel				349000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	14.20	14.20	14.18	15.5	0.0	

n66_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1740	1745	1748			
40	PUSC BPSK	1	1	19.35	19.31	19.35			
40	PUSC BPSK	1	108	19.40	19.43	19.46	21.0	0.0	
40	PUSC BPSK	1	214	19.41	19.32	19.40			
40	PUSC BPSK	108	0	19.41	19.33	19.48	21.0	0.0	
40	PUSC BPSK	108	54	19.34	19.45	19.37	21.0	0.0	
40	PUSC BPSK	108	108	19.42	19.47	19.39	21.0	0.0	
40	PUSC BPSK	216	0	19.33	19.49	19.43	21.0	0.0	
40	QPSK	1	1	19.40	19.35	19.35			
40	QPSK	1	108	19.37	19.30	19.40	21.0	0.0	
40	QPSK	1	214	19.47	19.34	19.46			
40	QPSK	108	0	19.35	19.43	19.35	21.0	0.0	
40	QPSK	108	54	19.42	19.33	19.45	21.0	0.0	
40	QPSK	108	108	19.36	19.36	19.41	21.0	0.0	
40	QPSK	216	0	19.36	19.41	19.37			
40	16QAM	1	1	19.47	19.51	19.48	21.0	0.0	
40	64QAM	1	1	19.45	19.49	19.48	21.0	0.0	
40	256QAM	1	1	19.34	19.35	19.35	19.5	1.5	
Channel				347000	349000	353000			
Frequency (MHz)				1745	1745	1745	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.34	19.40	19.25	21.0	0.0	
Channel				348000	349000	354000			
Frequency (MHz)				1745	1745	1745	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.37	19.31	19.38	21.0	0.0	
Channel				349000	349000	354000			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.43	19.42	19.43	21.0	0.0	
Channel				349000	349000	355000			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.39	19.31	19.43	21.0	0.0	
Channel				349000	349000	355000			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.46	19.32	19.40	21.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mode Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18800	\$19000	\$20000			
Frequency (MHz)				2585	2595	2605			
40	PV2 BPSK	1	1	18.98	18.98	18.98			
40	PV2 BPSK	1	83	18.88	19.10	19.88	20.0	0.0	
40	PV2 BPSK	1	104	19.01	18.93	19.01			
40	PV2 BPSK	50	8	18.97	19.11	19.98	20.0	0.0	
40	PV2 BPSK	50	26	18.97	18.99	19.92	20.0	0.0	
40	PV2 BPSK	50	56	18.99	19.05	19.93			
40	PV2 BPSK	100	0	18.99	19.03	19.94	20.0	0.0	
40	QPSK	1	1	18.95	19.12	19.12			
40	QPSK	1	83	18.91	18.97	18.99	20.0	0.0	
40	QPSK	1	104	18.88	19.05	19.88			
40	QPSK	50	8	18.91	19.05	19.83			
40	QPSK	50	26	18.95	19.05	19.85	20.0	0.0	
40	QPSK	50	56	18.88	18.98	19.98			
40	QPSK	100	0	18.99	19.05	19.97	20.0	0.0	
40	84QAM	1	1	18.97	18.99	18.91	20.0	0.0	
40	84QAM	1	1	19.02	19.01	19.92	20.0	0.0	
40	256QAM	1	1	18.93	19.09	19.88	20.0	0.0	
Channel				\$21000	\$21000	\$21000	QPSK 100	MPR	
Frequency (MHz)				2585	2595	2605	(dBm)	(dB)	
30	QPSK	1	1	18.92	19.04	19.98	20.0	0.0	
Channel				\$21000	\$21000	\$21000	QPSK 100	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	18.93	19.01	19.94	20.0	0.0	
Channel				\$2577.5	\$2595	\$2612.5	QPSK 100	MPR	
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)	
15	QPSK	1	1	18.90	18.97	19.96	20.0	0.0	
Channel				\$2675	\$2675	\$2675	QPSK 100	MPR	
Frequency (MHz)				2675	2695	2615	(dBm)	(dB)	
10	QPSK	1	1	18.97	18.98	19.94	20.0	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mode Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				\$18800	\$19000	\$20000			
Frequency (MHz)				2585	2595	2605			
40	PV2 BPSK	1	1	15.04	15.14	15.09			
40	PV2 BPSK	1	83	15.01	15.03	15.08			
40	PV2 BPSK	1	104	15.09	15.13	15.17	16.0	0.0	
40	PV2 BPSK	50	8	15.04	15.16	15.19	16.0	0.0	
40	PV2 BPSK	50	26	15.05	15.20	15.07	16.0	0.0	
40	PV2 BPSK	50	56	15.09	15.09	15.13			
40	PV2 BPSK	100	0	15.05	15.09	15.10	16.0	0.0	
40	QPSK	1	1	15.10	15.15	15.19			
40	QPSK	1	83	15.09	15.16	15.08			
40	QPSK	1	104	15.15	15.18	15.07	16.0	0.0	
40	QPSK	50	8	15.08	15.18	15.04			
40	QPSK	50	26	15.17	15.21	15.15	16.0	0.0	
40	QPSK	50	56	15.04	15.13	15.06			
40	QPSK	100	0	15.04	15.12	15.07	16.0	0.0	
40	84QAM	1	1	15.10	15.14	15.04	16.0	0.0	
40	84QAM	1	1	15.05	15.06	15.01	16.0	0.0	
40	256QAM	1	1	15.14	15.04	15.05	16.0	0.0	
Channel				\$21000	\$21000	\$21000	QPSK 100	MPR	
Frequency (MHz)				2585	2595	2605	(dBm)	(dB)	
30	QPSK	1	1	14.93	15.14	15.02	16.0	0.0	
Channel				\$2595.0	\$2600.0	\$2610.0	QPSK 100	MPR	
Frequency (MHz)				2590	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	14.99	15.17	15.01	16.0	0.0	
Channel				\$2677.5	\$2690.0	\$2710.0	QPSK 100	MPR	
Frequency (MHz)				2677.5	2695	2612.5	(dBm)	(dB)	
15	QPSK	1	1	14.92	15.17	15.01	16.0	0.0	
Channel				\$2675	\$2675	\$2675	QPSK 100	MPR	
Frequency (MHz)				2675	2695	2615	(dBm)	(dB)	
10	QPSK	1	1	14.95	15.14	15.05	16.0	0.0	



n38_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/MHz	Power Mode Ch. F/MHz	Power High Ch. F/MHz	MPR [dB]
Channel				51800	51900	52000	
Frequency (MHz)				258	259	260	
40	P1/2 BPSK	1	1	18.14	18.20	18.26	
40	P1/2 BPSK	1	83	18.28	18.19	18.14	20.0
40	P1/2 BPSK	1	164	18.27	18.27	18.24	
40	P1/2 BPSK	50	5	18.22	18.30	18.21	20.0
40	P1/2 BPSK	50	26	18.13	18.23	18.18	20.0
40	P1/2 BPSK	50	56	18.23	18.26	18.13	20.0
40	P1/2 BPSK	100	5	18.17	18.21	18.14	
40	QPSK	1	1	18.23	18.23	18.23	
40	QPSK	1	83	18.17	18.30	18.23	20.0
40	QPSK	1	164	18.17	18.21	18.27	
40	QPSK	50	5	18.18	18.12	18.14	
40	QPSK	50	26	18.18	18.27	18.24	20.0
40	QPSK	50	56	18.16	18.20	18.18	
40	QPSK	100	5	18.10	18.13	18.19	20.0
40	8QAM	1	1	18.22	18.10	18.04	20.0
40	8QAM	1	1	18.27	18.25	18.20	20.0
40	256QAM	1	1	18.22	18.28	18.28	18.5
Channel				257.00	257.00	257.00	MPR [dB]
Frequency (MHz)				2585	2595	2605	(dB)
30	QPSK	1	1	18.16	18.10	18.25	20.0
Channel				257.00	257.00	257.00	MPR [dB]
Frequency (MHz)				2580	2595	2610	(dB)
20	QPSK	1	1	18.06	18.23	18.18	20.0
Channel				257.00	257.00	257.00	MPR [dB]
Frequency (MHz)				2577.5	2595	2612.5	(dB)
15	QPSK	1	1	18.17	18.21	18.12	20.0
Channel				257.00	257.00	257.00	MPR [dB]
Frequency (MHz)				2575	2595	2615	(dB)
10	QPSK	1	1	18.10	18.14	18.13	20.0

FCC_n41_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/MHz	Power Mode Ch. F/MHz	Power High Ch. F/MHz	MPR [dB]
Channel				50500	51868	52800	
Frequency (MHz)				2548.81	2552.96	2549	
100	P1/2 BPSK	1	1	19.09	19.06	19.07	
100	P1/2 BPSK	1	137	19.03	19.15	19.07	20.0
100	P1/2 BPSK	1	271	19.06	19.03	19.09	
100	P1/2 BPSK	135	5	19.03	19.13	19.08	20.0
100	P1/2 BPSK	135	86	19.10	19.10	19.09	20.0
100	P1/2 BPSK	135	139	19.11	19.04	19.04	20.0
100	P1/2 BPSK	235	5	19.06	19.10	19.04	
100	QPSK	1	1	19.12	19.16	19.12	
100	QPSK	1	137	19.06	19.04	19.07	20.0
100	QPSK	1	271	19.02	19.07	19.05	
100	QPSK	135	5	19.06	19.12	19.09	
100	QPSK	135	86	19.07	19.14	19.05	20.0
100	QPSK	135	139	19.02	19.10	19.05	
100	QPSK	270	5	19.00	19.03	19.02	20.0
100	16QAM	1	1	19.03	19.04	19.04	20.0
100	64QAM	1	1	19.08	19.03	19.03	20.0
100	256QAM	1	1	19.04	19.11	19.08	20.0
Channel				2552.96	2552.96	2552.96	MPR [dB]
Frequency (MHz)				2541	2552.99	2644.98	(dB)
90	QPSK	1	1	19.00	19.07	19.07	20.0
Channel				2552.96	2552.96	2552.96	MPR [dB]
Frequency (MHz)				2636.02	2652.99	2649.99	(dB)
80	QPSK	1	1	19.08	19.15	19.06	20.0
Channel				2632.01	2632.01	2632.01	MPR [dB]
Frequency (MHz)				2631.01	2652.99	2655	(dB)
70	QPSK	1	1	19.04	19.02	19.07	20.0
Channel				2622.01	2611.00	2611.00	MPR [dB]
Frequency (MHz)				2620	2652.99	2658.98	(dB)
60	QPSK	1	1	19.04	19.15	19.06	20.0
Channel				2622.01	2611.00	2611.00	MPR [dB]
Frequency (MHz)				2621.02	2652.99	2654.99	(dB)
50	QPSK	1	1	18.98	19.11	19.02	20.0
Channel				2622.01	2611.00	2611.00	MPR [dB]
Frequency (MHz)				2616.01	2652.99	2670	(dB)
40	QPSK	1	1	19.01	19.12	19.02	20.0
Channel				2622.01	2611.00	2611.00	MPR [dB]
Frequency (MHz)				2611	2652.99	2670.98	(dB)
30	QPSK	1	1	19.08	19.10	19.09	20.0
Channel				2622.01	2611.00	2611.00	MPR [dB]
Frequency (MHz)				2606.02	2652.99	2670.98	(dB)
20	QPSK	1	1	19.04	19.09	19.06	20.0



FCC_n41_Ant 1									
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				5060.02	5186.98	5280.00			
Frequency (MHz)				2446.81	2592.93	2640			
100	PQ2 BPSK	1	1	15.07	15.23	15.12			
100	PQ2 BPSK	1	137	15.11	15.18	15.13	15.0	0.0	
100	PQ2 BPSK	1	271	15.14	15.20	15.18			
100	PQ2 BPSK	135	5	15.17	15.24	15.21	15.0	0.0	
100	PQ2 BPSK	135	69	15.18	15.24	15.20	15.0	0.0	
100	PQ2 BPSK	135	135	15.15	15.13	15.19	15.0	0.0	
100	PQ2 BPSK	270	5	15.12	15.19	15.13			
100	QPSK	1	1	15.20	15.28	15.22			
100	QPSK	1	137	15.07	15.26	15.14	15.0	0.0	
100	QPSK	1	271	15.15	15.25	15.09			
100	QPSK	135	5	15.13	15.26	15.19			
100	QPSK	135	69	15.15	15.27	15.20	15.0	0.0	
100	QPSK	135	135	15.15	15.21	15.08			
100	QPSK	270	5	15.08	15.10	15.10	15.0	0.0	
100	8QAM	1	1	15.19	15.17	15.14	15.0	0.0	
100	8QAM	1	1	15.15	15.15	15.07	15.0	0.0	
100	256QAM	1	1	15.17	15.19	15.13	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.06	15.15	15.16	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2636.02	2692.99	2648.99			
80	QPSK	1	1	15.05	15.25	15.17	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2631.01	2692.99	2635			
70	QPSK	1	1	15.19	15.19	15.19	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2626	2692.99	2638.98			
60	QPSK	1	1	15.07	15.17	15.18	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2621.02	2692.99	2644.99			
50	QPSK	1	1	15.14	15.18	15.18	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2616.01	2692.99	2670			
40	QPSK	1	1	15.07	15.13	15.16	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2611	2692.99	2674.98			
30	QPSK	1	1	15.14	15.16	15.09	15.0	0.0	
Channel				2650.02	2705.95	2710.00			
Frequency (MHz)				2606.02	2692.99	2678.99			
20	QPSK	1	1	15.14	15.18	15.20	15.0	0.0	

Par27Q_n78_Ant 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				6333.02	6333.02				
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	14.58					
100	PQ2 BPSK	1	137	14.69			15.5	0.0	
100	PQ2 BPSK	1	271	14.71					
100	PQ2 BPSK	135	5	14.60			15.5	0.0	
100	PQ2 BPSK	135	69	14.61			15.5	0.0	
100	PQ2 BPSK	135	135	14.68			15.5	0.0	
100	PQ2 BPSK	270	5	14.65					
100	QPSK	1	1	14.72					
100	QPSK	1	137	14.61			15.5	0.0	
100	QPSK	1	271	14.68					
100	QPSK	135	5	14.62					
100	QPSK	135	69	14.65			15.5	0.0	
100	QPSK	135	135	14.58					
100	QPSK	270	5	14.57			15.5	0.0	
100	8QAM	1	1	14.58			15.5	0.0	
100	8QAM	1	1	14.71			15.5	0.0	
100	256QAM	1	1	14.64			15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	14.59	14.64	14.64	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	14.59	14.58	14.69	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.59	14.59	14.65	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1	14.69	14.63	14.61	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	14.59	14.68	14.63	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	14.69	14.63	14.66	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	14.68	14.61	14.65	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	14.59	14.57	14.70	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3457.5	3499.98	3542.40			
15	QPSK	1	1	14.71	14.63	14.60	15.5	0.0	
Channel				6330.04	6330.02	6330.00			
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	14.71	14.64	14.65	15.5	0.0	

Par27Q_n78_Ant 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				6330.00					
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	14.41					
100	PQ2 BPSK	1	137	14.41			15.5	0.0	
100	PQ2 BPSK	1	271	14.35					
100	PQ2 BPSK	135	5	14.31			15.5	0.0	
100	PQ2 BPSK	135	69	14.35			15.5	0.0	
100	PQ2 BPSK	135	135	14.38			15.5	0.0	
100	PQ2 BPSK	270	5	14.42					
100	QPSK	1	1	14.45					
100	QPSK	1	137	14.36			15.5	0.0	
100	QPSK	1	271	14.35					
100	QPSK	135	5	14.35					
100	QPSK	135	69	14.40			15.5	0.0	
100	QPSK	135	135	14.40					
100	QPSK	270	5	14.35			15.5	0.0	
100	8QAM	1	1	14.36			15.5	0.0	
100	8QAM	1	1	14.43			15.5	0.0	
100	256QAM	1	1	14.36			15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	14.40	14.30	14.39	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	14.30	14.35	14.39	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	14.42	14.32	14.40	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3480.00	3499.98	3519.99			
60	QPSK	1	1	14.38	14.40	14.40	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3475.00	3499.98	3524.98			
50	QPSK	1	1	14.39	14.41	14.42	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3470.00	3499.98	3529.98			
40	QPSK	1	1	14.32	14.42	14.31	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3465.00	3499.98	3534.98			
30	QPSK	1	1	14.42	14.32	14.37	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3460.00	3499.98	3539.98			
20	QPSK	1	1	14.36	14.32	14.42	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3455.00	3499.98	3544.98			
15	QPSK	1	1	14.38	14.31	14.38	15.5	0.0	
Channel				6330.00	6330.00	6330.00			
Frequency (MHz)				3450.00	3499.98	3549.98			
10	QPSK	1	1	14.32	14.39	14.38	15.5	0.0	



Par27Q n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mode Ch./ Freq.	Power High Ch./ Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63330					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		21.17				
100	PI2 BPSK	1	137		21.27		22.0	0.0	
100	PI2 BPSK	1	271		21.24				
100	PI2 BPSK	135	0		21.25		22.0	0.0	
100	PI2 BPSK	135	69		21.23		22.0	0.0	
100	PI2 BPSK	135	135		21.23		22.0	0.0	
100	PI2 BPSK	270	0		21.24				
100	QPSK	1	1		21.28				
100	QPSK	1	137		21.29		22.0	0.0	
100	QPSK	1	271		21.28				
100	QPSK	135	0		21.17				
100	QPSK	135	69		21.25		22.0	0.0	
100	QPSK	135	135		21.23				
100	QPSK	270	0		21.18		22.0	0.0	
100	16QAM	1	1		21.17		22.0	0.0	
100	64QAM	1	1		21.24		22.0	0.0	
100	256QAM	1	1		20.63		21.0	1.0	
Channel				63300	63332	63366	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1		21.17	21.18	21.13	22.0	0.0
Channel				63306	63332	63360	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		21.22	21.13	21.13	22.0	0.0
Channel				63334	63332	63330	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3495.01	3499.98	3504.98			
70	QPSK	1	1		21.24	21.21	21.14	22.0	0.0
Channel				63300	63332	63366	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1		21.17	21.16	21.15	22.0	0.0
Channel				63368	63332	63306	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		21.23	21.25	21.13	22.0	0.0
Channel				63334	63332	63330	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		21.24	21.24	21.13	22.0	0.0
Channel				63300	63332	63366	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1		21.25	21.17	21.15	22.0	0.0
Channel				63368	63332	63306	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		21.24	21.18	21.20	22.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3545.98			
15	QPSK	1	1		21.17	21.20	21.15	22.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3450.01	3499.98	3545.98			
10	QPSK	1	1		21.25	21.28	21.27	22.0	0.0

Par27Q n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		15.89				
100	PI2 BPSK	1	137		15.94	17.0		0.0	
100	PI2 BPSK	1	271		15.89				
100	PI2 BPSK	135	0		15.89	17.0		0.0	
100	PI2 BPSK	135	69		15.95	17.0		0.0	
100	PI2 BPSK	135	135		15.87	17.0		0.0	
100	PI2 BPSK	270	0		15.89				
100	QPSK	1	1		15.00				
100	QPSK	1	137		15.99				
100	QPSK	1	271		15.85				
100	QPSK	135	0		15.98				
100	QPSK	135	69		15.94	17.0		0.0	
100	QPSK	135	135		15.97				
100	QPSK	270	0		15.88	17.0		0.0	
100	16QAM	1	1		15.96	17.0		0.0	
100	64QAM	1	1		15.94	17.0		0.0	
100	256QAM	1	1		15.99	17.0		0.0	
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.98			
90	QPSK	1	1		15.99	15.95	15.94	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		15.97	15.85	15.98	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1		15.91	15.98	15.96	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.98			
60	QPSK	1	1		15.86	15.87	15.98	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		15.86	15.89	15.86	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		15.96	15.98	15.99	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1		15.89	15.92	15.95	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		15.99	15.99	15.99	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3545.98			
15	QPSK	1	1		15.99	15.86	15.91	17.0	0.0
Channel				63330	63332	63334	Tune-up Int. (dB)	MPR (dB)	
Frequency (MHz)				3450.01	3499.98	3545.98			
10	QPSK	1	1		15.96	15.96	15.97	17.0	0.0



Full&Default Power Mode Other PA

Band 4_Ant 2																								
RW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Total-time (min)	MPR (dB)															
Channel																								
150072 132332 132672																								
Frequency (MHz)	Channel	20050	20175	20300																				
20 QPSK	1	0	22.46	22.53	22.50																			
20 QPSK	1	49	22.29	22.14	22.36																			
20 QPSK	1	99	22.23	22.20	22.26																			
20 QPSK	5	0	22.26	22.50	22.36																			
20 QPSK	5	24	22.02	21.90	22.03																			
20 QPSK	5	50	21.86	21.82	22.00																			
20 QPSK	100	0	22.00	22.01	21.98																			
20 HQAM	1	0	22.34	22.28	22.25																			
20 HQAM	1	49	22.21	22.05	22.15																			
20 HQAM	1	99	22.12	22.16	22.31																			
20 HQAM	5	0	21.77	21.63	21.98																			
20 HQAM	5	24	21.79	21.62	21.69																			
20 HQAM	5	50	21.58	21.61	21.74																			
20 HQAM	100	0	21.70	21.58	21.98																			
20 HQAM	100	0	20.73	20.28	20.56																			
20 HQAM	1	49	21.82	21.57	21.78																			
20 HQAM	1	99	21.74	21.68	21.91																			
20 HQAM	5	24	20.73	20.67	20.86																			
20 HQAM	5	50	20.75	20.51	20.68																			
20 HQAM	5	50	20.67	20.57	20.73																			
20 HQAM	100	0	18.64	18.65	18.60																			
20 HQAM	1	49	18.45	18.57	18.55																			
20 HQAM	1	99	18.48	18.56	18.43																			
20 HQAM	5	0	18.63	18.70	18.67																			
20 HQAM	5	24	18.59	18.65	18.61																			
20 HQAM	5	50	18.57	18.67	18.58																			
20 HQAM	100	0	18.51	18.62	18.50																			
Channel																								
20005 20175 20300																								
Frequency (MHz)	Channel	20005	20175	20300	Total-time (min)	MPR (dB)																		
15 QPSK	1	0	22.42	22.23	22.25																			
15 QPSK	1	37	22.31	22.18	22.30																			
15 QPSK	1	74	22.26	22.22	22.41																			
15 QPSK	5	0	22.18	21.89	22.00																			
15 QPSK	5	20	21.97	21.88	21.98																			
15 QPSK	5	49	21.85	21.82	21.93																			
15 QPSK	75	0	21.95	21.90	21.99																			
15 HQAM	1	0	22.28	22.15	22.18																			
15 HQAM	1	37	22.17	22.07	22.21																			
15 HQAM	1	74	22.23	22.08	22.36																			
15 HQAM	5	0	21.82	21.63	21.72																			
15 HQAM	5	20	21.71	21.62	21.86																			
15 HQAM	5	50	21.52	21.58	21.61																			
15 HQAM	75	0	21.68	21.59	21.74																			
15 HQAM	75	0	20.68	20.59	20.70																			
15 HQAM	1	37	22.02	21.73	21.98																			
15 HQAM	1	74	21.80	21.71	21.96																			
15 HQAM	5	20	20.68	20.59	20.71																			
15 HQAM	5	50	20.63	20.60	20.76																			
15 HQAM	75	0	20.70	20.62	20.76																			
15 HQAM	75	0	18.80	18.52	18.47																			
15 HQAM	1	37	18.30	18.56	18.54																			
15 HQAM	1	74	18.40	18.56	18.36																			
15 HQAM	5	0	18.58	18.65	18.63																			
15 HQAM	5	20	18.56	18.50	18.57																			
15 HQAM	5	50	18.56	18.50	18.56																			
15 HQAM	75	0	18.46	18.49	18.45																			
Channel																								
20000 20175 20300																								
Frequency (MHz)	Channel	20000	20175	20300	Total-time (min)	MPR (dB)																		
10 QPSK	1	0	22.44	22.53	22.42																			
10 QPSK	1	26	22.38	22.40	22.42																			
10 QPSK	1	49	22.47	22.23	22.46																			
10 QPSK	5	0	22.21	21.99	22.14																			
10 QPSK	25	12	22.12	22.00	22.16																			
10 QPSK	25	49	22.08	21.92	22.05																			
10 QPSK	5	0	21.94	22.00	22.21																			
10 HQAM	1	0	22.20	21.97	22.18																			
10 HQAM	1	26	22.08	22.02	22.16																			
10 HQAM	1	49	22.05	21.89	22.17																			
10 HQAM	5	0	21.93	21.73	21.91																			
10 HQAM	5	24	21.80	21.74	21.90																			
10 HQAM	5	50	21.62	21.72	21.94																			
10 HQAM	100	0	20.67	20.67	20.67																			
10 HQAM	1	26	22.11	21.81	22.14																			
10 HQAM	1	49	22.03	21.89	22.05																			
10 HQAM	5	24	20.65	20.65	20.65																			
10 HQAM	25	12	20.91	20.79	20.90																			
10 HQAM	25	50	20.81	20.72	20.94																			
10 HQAM	5	0	20.79	20.62	20.83																			
10 HQAM	1	0	18.25	18.52	18.59																			
10 HQAM	1	26	18.34	18.53	18.53																			
10 HQAM	1	49	18.43	18.51	18.51																			
10 HQAM	5	0	18.62	18.61	18.62																			
10 HQAM	5	24	18.51	18.56	18.57																			
10 HQAM	5	50	18.52	18.50	18.52																			
10 HQAM	25	0	18.44	18.59	18.42																			
Channel																								
19975 20175 20300																								
Frequency (MHz)	Channel	19975	20175	20300	Total-time (min)	MPR (dB)																		
5 QPSK	1	0	22.43	22.50	22.37																			
5 QPSK	1	12	22.41	22.36	22.40																			
5 QPSK	1	24	22.39	22.28	22.36																			
5 QPSK	13	0	22.23	21.98	22.15																			
5 QPSK	12	7	22.16	22.01	22.26																			
5 QPSK	12	7	22.13	21.98	22.22																			
5 QPSK	5	0	22.16	21.87	22.29																			
5 HQAM	1	0	22.14	21.88	22.21																			
5 HQAM	1	12	22.02	21.88	22.16																			
5 HQAM	1	24	22.11	21.90	22.28																			
5 HQAM	12	0	21.93	21.69	21.89																			
5 HQAM	12	7	21.86	21.72	21.94																			
5 HQAM	12	13	21.88	21.72	22.01																			
5 HQAM	5	0	21.89	21.70	21.94																			
5 HQAM	5	24	21.78	21.62	21.90																			
5 HQAM	5	50	21.69	21.62	21.83																			
5 HQAM	1	0	18.25	18.52	18.59																			
5 HQAM	1	12	18.34	18.53	18.53																			
5 HQAM	1	24	18.43	18.53	18.43																			
5 HQAM	5	0	18.62	18.67	18.67																			
5 HQAM	5	24	18.54	18.55	18.49																			
5 HQAM	5	50	18.56	18.55	18.40																			
5 HQAM	13	0	18.47	18.60	18.55																			
5 HQAM	13	0	18.54	18.57	18.46																			



n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mod. Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)	
Channel									
Frequency (MHz) <td>372000</td> <td>376000</td> <td>380000</td> <td colspan="3"></td>				372000	376000	380000			
20	PI2 BPSK	1	1	22.74	22.68	22.71	24.0	0.0	
20	PI2 BPSK	1	53	22.67	22.60	22.66			
20	PI2 BPSK	1	104	22.69	22.65	22.72			
20	PI2 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	PI2 BPSK	50	26	22.65	22.59	22.66	24.0	0.0	
20	PI2 BPSK	50	46	22.66	22.62	22.61	24.0	0.0	
20	PI2 BPSK	100	0	22.67	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.75	22.61	22.78	24.0	0.0	
20	QPSK	1	53	22.72	22.70	22.71			
20	QPSK	1	104	22.76	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0	
20	QPSK	50	26	22.61	22.72	22.68	24.0	0.0	
20	QPSK	50	46	22.61	22.59	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.66	24.0	0.0	
20	64QAM	1	1	22.74	22.69	22.74	24.0	0.0	
20	64QAM	1	1	21.88	21.90	21.85	22.0	0.0	
20	256QAM	1	1	20.63	19.95	20.00	21.0	3.0	
Channel									
Frequency (MHz)				372000	376000	380000			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel									
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	1975	
10	QPSK	1	1	22.63	22.59	22.67	24.0	0.0	
Channel									
Frequency (MHz)				375000	376000	381000	Tune-up limit (dBm)	1975	
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Mod. Ch. Freq. 376000	Power High Ch. Freq. 380000	Tune-up limit (dBm)	MRR (dB)	
Channel									
Frequency (MHz) <td>1860</td> <td>1880</td> <td>1900</td> <td colspan="3"></td>				1860	1880	1900			
20	PI2 BPSK	1	1	22.51	22.43	22.27	24.0	0.0	
20	PI2 BPSK	1	53	22.48	22.37	22.21			
20	PI2 BPSK	1	104	22.34	22.37	22.13			
20	PI2 BPSK	50	0	22.33	22.28	22.10	23.5	0.5	
20	PI2 BPSK	50	26	22.29	22.23	22.09	24.0	0.0	
20	PI2 BPSK	50	46	22.33	22.37	22.10	23.5	0.5	
20	PI2 BPSK	100	0	22.30	22.30	22.13	24.0	0.0	
20	QPSK	1	1	22.51	22.55	22.27			
20	QPSK	1	53	22.48	22.40	22.21			
20	QPSK	1	104	22.30	22.31	22.17	23.0	1.0	
20	QPSK	50	0	22.16	22.08	21.90			
20	QPSK	50	26	22.35	22.41	22.21			
20	QPSK	50	50	22.61	21.92	21.76	23.0	1.0	
20	QPSK	100	0	22.65	22.07	21.92	23.0	1.0	
20	16QAM	1	1	22.51	22.42	22.26			
20	64QAM	1	1	20.69	20.83	20.84	21.5	2.5	
20	256QAM	1	1	18.52	18.44	18.30	19.5	4.5	
Channel				372000	376000	380000			
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	22.48	22.30	22.14	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	22.40	22.38	22.21	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	1975	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	22.50	22.52	22.21	24.0	0.0	



n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MRR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1740	1745	1750			
40	P12-BPSK	1	1	22.12	22.24	22.10	24.0	0.0	
40	P12-BPSK	1	108	22.14	22.18	22.21			
40	P12-BPSK	1	214	22.18	22.17	22.18			
40	P12-BPSK	108	0	21.87	21.70	21.65	23.5	0.5	
40	P12-BPSK	108	54	22.17	22.21	22.10	24.0	0.0	
40	P12-BPSK	108	108	21.54	21.60	21.50	23.5	0.5	
40	P12-BPSK	216	0	21.87	21.57	21.61			
40	QPSK	1	1	22.05	22.08	22.22			
40	QPSK	1	108	22.15	22.14	22.08	24.0	0.0	
40	QPSK	1	214	22.11	22.27	22.13	23.0	1.0	
40	QPSK	108	0	21.42	21.50	21.45			
40	QPSK	108	54	22.11	22.20	22.20			
40	QPSK	108	108	21.97	21.44	21.30	23.0	1.0	
40	QPSK	216	0	21.51	21.82	21.92	23.0	1.0	
40	8QAM	1	1	21.58	21.55	21.60			
40	8QAM	1	1	21.75	21.66	21.50			
40	256QAM	1	1	20.54	20.25	20.08	21.0	3.0	
Channel				355000	355500	356000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.13	22.25	22.08	24.0	0.0	
Channel				356000	356500	357000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.02	22.17	22.08	24.0	0.0	
Channel				357000	357500	358000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.15	22.10	22.11	24.0	0.0	
Channel				358000	358500	359000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.04	22.10	22.07	24.0	0.0	
Channel				359000	359500	360000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.19	22.15	22.12	24.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MRR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1750	1745	1740			
40	P12-BPSK	1	1	22.77	22.79	22.81	24.0	0.0	
40	P12-BPSK	1	108	22.70	22.72	22.87			
40	P12-BPSK	1	214	22.62	22.82	22.50			
40	P12-BPSK	108	0	22.73	22.73	22.57	23.5	0.5	
40	P12-BPSK	108	54	22.63	22.86	22.47	24.0	0.0	
40	P12-BPSK	108	108	22.65	22.82	22.48	23.5	0.5	
40	P12-BPSK	216	0	22.71	22.78	22.57			
40	QPSK	1	1	22.80	22.92	22.70			
40	QPSK	1	108	22.71	22.74	22.59	24.0	0.0	
40	QPSK	1	214	22.86	22.58	22.36	23.0	1.0	
40	QPSK	108	0	22.43	22.47	22.32			
40	QPSK	108	54	22.72	22.75	22.81			
40	QPSK	108	108	22.33	22.33	22.14	23.0	1.0	
40	QPSK	216	0	22.35	22.40	22.25	23.0	1.0	
40	16QAM	1	1	22.41	22.45	22.38			
40	16QAM	1	1	20.97	21.01	20.83	21.5	2.5	
40	256QAM	1	1	19.23	19.24	19.09	19.5	4.5	
Channel				357000	357500	358000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.70	22.66	22.49	24.0	0.0	
Channel				358000	358500	359000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.71	22.73	22.57	24.0	0.0	
Channel				359000	359500	360000			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.65	22.71	22.51	24.0	0.0	
Channel				360000	360500	361000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.70	22.71	22.59	24.0	0.0	
Channel				361000	361500	362000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.96	22.86	22.89	24.0	0.0	



Reduced Power Mode for Other PA DS12

Band 4_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tota- up (mW)	MPR (dB)
				Ch / Freq.	Ch / Freq.	Ch / Freq.		
Channel								
				20000	20175	20300		
20	QPSK	1	0	22.46	22.53	22.45		
20	QPSK	1	40	22.29	22.14	22.36	24	0
20	QPSK	1	80	22.23	22.20	22.25		
20	QPSK	5	0	22.50	22.50	22.50		
20	QPSK	5	24	22.02	21.90	22.03	23	1
20	QPSK	5	40	21.98	21.82	22.14		
20	QPSK	100	0	22.00	22.01	21.99		
20	HQAM	1	0	22.34	22.28	22.25		
20	HQAM	1	40	22.21	22.03	22.15	23	1
20	HQAM	1	80	22.12	22.16	22.31		
20	HQAM	5	0	21.77	21.63	21.98		
20	HQAM	5	24	21.70	21.62	21.75	23	1
20	HQAM	5	40	21.58	21.61	21.74		
20	HQAM	100	0	21.70	21.58	21.98		
20	HQAM	100	0	20.72	20.58	20.85		
20	HQAM	1	40	21.82	21.57	21.78	23	1
20	HQAM	1	80	21.74	21.68	21.91		
20	HQAM	5	0	20.76	20.62	20.86		
20	HQAM	5	24	20.70	20.51	20.88	22	2
20	HQAM	5	40	20.67	20.57	20.73		
20	HQAM	100	0	20.67	20.58	20.86		
20	HQAM	1	40	18.64	18.65	18.60		
20	HQAM	1	40	18.45	18.57	18.43	19	5
20	HQAM	5	0	18.63	18.70	18.67		
20	HQAM	5	24	18.58	18.65	18.61	19	5
20	HQAM	5	40	18.57	18.67	18.58		
20	HQAM	100	0	18.51	18.62	18.50		
20025 20175 20300								
15	QPSK	1	0	22.47	22.23	22.25		
15	QPSK	1	37	22.31	22.18	22.30	24	0
15	QPSK	1	74	22.26	22.22	22.41		
15	QPSK	5	0	22.18	22.00	22.00		
15	QPSK	38	20	21.97	21.88	21.98	23	1
15	QPSK	38	40	21.95	21.80	21.99		
15	HQAM	1	0	22.28	22.15	22.18		
15	HQAM	1	37	22.21	22.03	22.15	23	1
15	HQAM	1	74	22.23	22.08	22.36		
15	HQAM	38	0	21.82	21.63	21.72		
15	HQAM	38	20	21.71	21.62	21.86	23	1
15	HQAM	38	39	21.65	21.58	21.81		
15	HQAM	75	0	21.68	21.59	21.74		
15	HQAM	75	0	21.68	21.58	21.82		
15	HQAM	1	37	22.02	21.73	21.98	23	1
15	HQAM	1	74	21.80	21.71	21.96		
15	HQAM	38	0	20.85	20.84	20.85		
15	HQAM	38	20	20.88	20.59	20.71	22	2
15	HQAM	38	39	20.63	20.60	20.76		
15	HQAM	75	0	20.63	20.58	20.76		
15	HQAM	1	40	18.80	18.52	18.47		
15	HQAM	1	37	18.30	18.56	18.54	19	5
15	HQAM	1	40	18.40	18.50	18.36		
15	HQAM	38	0	18.58	18.65	18.63		
15	HQAM	38	20	18.56	18.50	18.57	19	5
15	HQAM	38	39	18.56	18.58	18.55		
15	HQAM	75	0	18.46	18.49	18.45		
20000 20175 20300								
10	QPSK	1	0	22.44	22.53	22.42		
10	QPSK	1	26	22.38	22.40	22.42	24	0
10	QPSK	1	40	22.47	22.33	22.46		
10	QPSK	5	0	22.21	21.98	22.14		
10	QPSK	28	12	22.12	22.00	22.16	23	1
10	QPSK	28	40	22.08	22.00	22.14		
10	QPSK	5	0	22.14	22.00	22.21		
10	HQAM	1	0	22.20	22.17	22.18		
10	HQAM	1	26	22.08	22.02	22.06	23	1
10	HQAM	1	40	22.03	22.00	22.06		
10	HQAM	28	0	21.93	21.73	21.91		
10	HQAM	28	12	21.84	21.82	21.94	23	1
10	HQAM	28	26	21.82	21.72	21.94		
10	HQAM	50	0	21.83	21.71	21.92		
10	HQAM	1	26	21.82	21.77	21.87		
10	HQAM	1	25	21.71	21.61	22.14	23	1
10	HQAM	1	40	22.03	21.89	22.05		
10	HQAM	25	0	20.91	20.79	20.90	22	2
10	HQAM	25	12	20.91	20.72	20.94		
10	HQAM	25	25	20.81	20.72	20.94		
10	HQAM	50	0	20.81	20.72	20.94		
10	HQAM	1	0	18.25	18.52	18.59	19	5
10	HQAM	1	25	18.34	18.55	18.53		
10	HQAM	1	40	18.43	18.54	18.51		
10	HQAM	25	0	18.62	18.61	18.62		
10	HQAM	25	12	18.61	18.56	18.53	19	5
10	HQAM	25	25	18.62	18.58	18.55		
10	HQAM	50	0	18.44	18.49	18.45		
19975 20175 20300								
5	QPSK	1	0	22.43	22.50	22.37		
5	QPSK	1	12	22.41	22.36	22.40	24	0
5	QPSK	1	24	22.39	22.28	22.36		
5	QPSK	13	0	22.23	21.98	22.15		
5	QPSK	12	7	22.16	22.01	22.29	23	1
5	QPSK	12	13	22.13	21.98	22.22		
5	QPSK	1	0	22.16	21.87	22.23		
5	HQAM	1	0	22.14	21.88	22.21		
5	HQAM	1	12	22.02	21.88	22.06	23	1
5	HQAM	1	24	22.11	21.90	22.16		
5	HQAM	12	0	21.93	21.69	21.88		
5	HQAM	12	7	21.86	21.72	21.91	23	1
5	HQAM	12	13	21.88	21.72	22.01		
5	HQAM	25	0	21.89	21.70	21.94		
5	HQAM	25	0	21.82	21.68	21.96		
5	HQAM	1	12	22.22	21.93	22.36	23	1
5	HQAM	1	24	22.09	21.88	22.18		
5	HQAM	12	0	21.80	21.68	21.86		
5	HQAM	12	7	20.85	20.75	21.01	22	2
5	HQAM	12	13	20.87	20.69	20.98		
5	HQAM	25	0	20.86	20.72	21.00		
5	HQAM	1	0	18.51	18.58	18.59	19	5
5	HQAM	1	12	18.33	18.51	18.50		
5	HQAM	1	24	18.45	18.45	18.52		
5	HQAM	12	0	18.56	18.65	18.58		
5	HQAM	12	7	18.45	18.55	18.55	19	5
5	HQAM	12	13	18.51	18.55	18.51		
5	HQAM	25	0	18.38	18.59	18.45		
19950 20175 20300								
3	QPSK	1	0	22.25	22.31	22.38		
3	QPSK	1	8	22.38	22.40	22.44	24	0
3	QPSK	1	14	22.31	22.21	22.41		
3	QPSK	8	4	22.24	22.01	22.22		
3	QPSK	8	7	22.20	22.03	22.29	23	1
3	QPSK	8	7	22.16	22.01	22.21		
3	HQAM	1	0	22.17	22.02	22.18		
3	HQAM	1	8	22.21	21.98	22.04	23	1
3	HQAM	1	14	22.18	21.83	22.05		
3	HQAM	8	0	22.04	21.79	22.03		
3	HQAM	8	4	22.02	21.82	22.11	23	1
3	HQAM	8	7	21.94	21.79	22.08		
3	HQAM	15	0	21.87	21.76	21.98		
3	HQAM	15	0	21.84	21.68	21.95		
3	HQAM	1	8	22.25	21.93	22.25	23	1
3	HQAM	1	14	22.21	21.97	22.15		
3	HQAM	15	0	21.98	21.81	21.92		
3	HQAM	8	4	20.99	20.77	21.06	22	2
3	HQAM	8	7	20.92	20.69	21.03		
3	HQAM	15	0	20.87	20.72	21.05		
3	HQAM	1	0	18.52	18.54	18.47		
3	HQAM	1	8	18.38	18.45	18.47	19	5
3	HQAM	1	14	18.38	18.43	18.39		
3	HQAM	8	0	18.50	18.67	18.62		
3	HQAM	8	4	18.44	18.62	18.59	19	5
3	HQAM	15	0	18.54	18.57	18.54		
3	HQAM	15	0	18.50	18.51	18.44	19	5
19925 20175 20300								
1.4	QPSK	1	0	22.20	22.07	22.21		
1.4	QPSK	1	3	22.25	22.10	22.29	24	0
1.4	QPSK	1	5	22.22	22.12	22.29		
1.4	QPSK	3	1	22.26	22.14	22.27		
1.4	QPSK	3	1	22.24	22.10	22.24	23	1
1.4	QPSK	3	1	21.76	21.59	22.06	28	1
1.4	HQAM	1	0	22.19	21.88	22.27		
1.4	HQAM	1	3	22.20	21.93	22.11		
1.4	HQAM	1	5	22.15	21.90	22.18	23	1
1.4	HQAM	3	0	22.01	21.72	22.08		
1.4	HQAM	3	3	22.05	21.69	22.07		
1.4	HQAM	3	5	22.02	21.84	22.07	23	1
1.4	HQAM	15	0	21.33	21.48	21.96		
1.4	HQAM	1	3	22.25	21.88	22.23		
1.4	HQAM	1	5	22.18	21.97	22.28	23	1
1.4	HQAM	1	3	22.15	21.87	22.15		
1.4	HQAM	1	5	22.09	21.87	22.11		
1.4	HQAM	15	0	20.54	20.39	20.58	22	2
1.4	HQAM	1	0	18.53	18.58	18.58		
1.4	HQAM	1	3	18.34	18.55	18.49		
1.4	HQAM	1	5	18.38	18.50	18.43		
1.4	HQAM	3	0	18.56	18.58	18.42	19	5
1.4	HQAM	3	3	18.47	18.60	18.50		
1.4	HQAM	3	5	18.54	18.57	18.46		



n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				Low Ch. Freq.	Mod. Ch. Freq.	High Ch. Freq.	370000		
Frequency (MHz)				372000	376000	380000			
20	PI2 BPSK	1	1	22.74	22.68	22.71			
20	PI2 BPSK	1	53	22.67	22.60	22.66		24.0	0.0
20	PI2 BPSK	1	104	22.69	22.65	22.72			
20	PI2 BPSK	50	0	22.62	22.57	22.61		24.0	0.0
20	PI2 BPSK	50	26	22.65	22.59	22.66			
20	PI2 BPSK	50	56	22.66	22.62	22.61		24.0	0.0
20	PI2 BPSK	100	0	22.67	22.59	22.61			
20	QPSK	1	1	22.75	22.61	22.78			
20	QPSK	1	53	22.72	22.70	22.71		24.0	0.0
20	QPSK	1	104	22.76	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65		24.0	0.0
20	QPSK	50	26	22.61	22.72	22.68			
20	QPSK	50	66	22.61	22.59	22.59		24.0	0.0
20	QPSK	100	0	22.67	22.70	22.69			
20	16QAM	1	1	22.74	22.69	22.74			
20	64QAM	1	1	21.88	21.90	21.85		22.0	0.0
20	256QAM	1	1	20.03	19.95	20.00		21.0	0.0
Channel				375000	379000	383000			
Frequency (MHz)				1897.5	1890	1892.5			
15	QPSK	1	1	22.73	22.70	22.73		24.0	0.0
Channel				378000	381000	384000			
Frequency (MHz)				1895	1890	1905			
10	QPSK	1	1	22.63	22.59	22.67		24.0	0.0
Channel				379000	381000	381000		Tune-up limit (dBm)	1915
Frequency (MHz)				1892.5	1890	1907.5			
5	QPSK	1	1	22.65	22.60	22.62		24.0	0.0

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)
				Low Ch. Freq.	Mod. Ch. Freq.	High Ch. Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	15.48	15.48	15.47	17.0	0.0	
20	PI2 BPSK	1	53	15.42	15.44	15.48			
20	PI2 BPSK	1	104	15.41	15.55	15.35			
20	PI2 BPSK	50	0	15.44	15.52	15.36	17.0	0.0	
20	PI2 BPSK	50	26	15.48	15.46	15.42	17.0	0.0	
20	PI2 BPSK	50	56	15.40	15.54	15.41	17.0	0.0	
20	PI2 BPSK	100	0	15.41	15.48	15.45			
20	QPSK	1	1	15.52	15.59	15.20			
20	QPSK	1	53	15.50	15.54	15.47	17.0	0.0	
20	QPSK	1	104	15.51	15.55	15.36	17.0	0.0	
20	QPSK	50	0	15.40	15.55	15.45			
20	QPSK	50	26	15.53	15.57	15.35			
20	QPSK	50	56	15.38	15.46	15.39	17.0	0.0	
20	QPSK	100	0	15.43	15.46	15.43	17.0	0.0	
20	16QAM	1	1	15.45	15.55	15.35			
20	64QAM	1	1	15.38	15.47	15.45	17.0	0.0	
20	256QAM	1	1	15.30	15.46	15.45	17.0	0.0	
Channel				375000	380000	385000			
Frequency (MHz)				1897.5	1890	1902.5			
15	QPSK	1	1	15.40	15.51	15.46	17.0	0.0	
Channel				378000	381000	384000			
Frequency (MHz)				1895	1890	1905			
10	QPSK	1	1	15.46	15.46	15.37	17.0	0.0	
Channel				380000	381000	381000	Tune-up limit (dBm)	1915	
Frequency (MHz)				1892.5	1890	1907.5			
5	QPSK	1	1	15.45	15.48	15.43	17.0	0.0	



n66_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Inst (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1760	1765	1768		
40	RU-BPSK	1	1	22.12	22.24	22.10		
40	RU-BPSK	1	108	22.14	22.18	22.21	24.0	0.0
40	RU-BPSK	1	214	22.15	22.17	22.16		
40	RU-BPSK	108	0	21.87	21.70	21.85	23.5	0.5
40	RU-BPSK	108	54	22.17	22.21	22.10	24.0	0.0
40	RU-BPSK	108	108	21.54	21.60	21.59	23.5	0.5
40	RU-BPSK	216	0	21.58	21.57	21.61	23.5	0.5
40	QPSK	1	1	22.25	22.28	22.25		
40	QPSK	1	108	22.15	22.14	22.08	24.0	0.0
40	QPSK	1	214	22.11	22.27	22.13		
40	QPSK	108	0	21.42	21.50	21.45	23.0	1.0
40	QPSK	108	54	22.13	22.28	22.21	24.0	0.0
40	QPSK	108	108	21.37	21.44	21.38	23.0	1.0
40	QPSK	216	0	21.31	21.35	21.32		
40	16QAM	1	1	21.58	21.55	21.60	23.0	1.0
40	16QAM	1	1	21.75	21.68	21.59	22.0	2.0
40	256QAM	1	1	20.34	20.28	20.08	21.0	3.0
Channel				1725	1765	1765		
Frequency (MHz)				1725	1765	1765		
30	QPSK	1	1	22.13	22.26	22.08	24.0	0.0
Channel				1710	1760	1760		
Frequency (MHz)				1720	1765	1770		
20	QPSK	1	1	22.23	22.17	22.08	24.0	0.0
Channel				1710	1760	1760		
Frequency (MHz)				1717.5	1765	1772.5		
15	QPSK	1	1	22.15	22.13	22.11	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1715	1765	1775		
10	QPSK	1	1	22.24	22.17	22.07	24.0	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1765	1777.5		
5	QPSK	1	1	22.19	22.13	22.12	24.0	0.0

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Inst (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1760	1765	1768		
40	RU-BPSK	1	1	18.23	18.28	18.07		
40	RU-BPSK	1	108	18.12	18.24	18.20	17.5	0.0
40	RU-BPSK	1	214	18.14	18.25	18.18		
40	RU-BPSK	108	0	18.23	18.27	18.10	17.5	0.0
40	RU-BPSK	108	54	18.18	18.18	18.09	17.5	0.0
40	RU-BPSK	108	108	18.19	18.17	18.21	17.5	0.0
40	RU-BPSK	216	0	18.21	18.20	18.10		
40	QPSK	1	1	18.25	18.30	18.22		
40	QPSK	1	108	18.18	18.22	18.10	17.5	0.0
40	QPSK	1	214	18.22	18.18	18.20		
40	QPSK	108	0	18.17	18.22	18.08	17.5	0.0
40	QPSK	108	54	18.21	18.25	18.20	17.5	0.0
40	QPSK	108	108	18.13	18.18	18.18	17.5	0.0
40	QPSK	216	0	18.15	18.22	18.18		
40	16QAM	1	1	18.13	18.18	18.12	17.5	0.0
40	16QAM	1	1	18.17	18.18	18.14	17.5	0.0
40	256QAM	1	1	18.23	18.20	18.13	17.5	0.0
Channel				1720	1760	1760		
Frequency (MHz)				1725	1765	1765		
30	QPSK	1	1	18.13	18.16	18.07	17.5	0.0
Channel				1710	1760	1760		
Frequency (MHz)				1720	1765	1770		
20	QPSK	1	1	18.18	18.24	18.08	17.5	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1717.5	1765	1772.5		
15	QPSK	1	1	18.24	18.27	18.11	17.5	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1715	1765	1775		
10	QPSK	1	1	18.13	18.20	18.21	17.5	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1765	1777.5		
5	QPSK	1	1	18.13	18.20	18.21	17.5	0.0



Reduced Power Mode for other PA DSI3

Band 4_Ant 2											
RW [MHz]	Modulation	RB Size	RB Offset	Power Mhz Ch / Freq	Power Mhz Ch / Freq	Power Mhz Ch / Freq	Total-time (min)	MPE (dB)			
Channel											
20050 20175 20300											
Frequency (MHz)											
20 QPSK	1	0	21.02	21.02	21.15						
20 QPSK	1	49	21.01	21.14	21.12		22.7	0			
20 QPSK	1	99	21.01	21.14	21.11						
20 QPSK	9	24	21.02	21.09	21.10		22.7	0			
20 QPSK	9	74	21.02	21.12	21.10						
20 IQAM	1	0	21.08	21.15	21.13						
20 IQAM	1	49	21.01	21.10	21.08		22.7	0			
20 IQAM	1	99	21.01	21.10	21.03						
20 IQAM	9	0	21.09	21.06	21.08						
20 IQAM	9	24	21.02	21.15	21.12		22.7	0			
20 IQAM	9	74	21.11	21.14	21.08						
20 IQAM	100	0	21.01	21.16	21.11						
20 IQAM	100	0	20.92	21.09	20.96						
20 IQAM	1	49	21.01	21.15	21.06		22.7	0			
20 IQAM	1	99	20.99	21.14	21.06						
20 IQAM	9	0	20.99	20.92	20.96						
20 IQAM	9	24	20.75	20.91	20.88		22	0.7			
20 IQAM	9	74	20.87	20.87	20.73						
20 IQAM	100	0	18.84	18.85	18.80						
20 IQAM	1	49	18.45	18.57	18.55		19	3.7			
20 IQAM	9	0	18.49	18.56	18.43						
20 IQAM	9	24	18.63	18.70	18.67						
20 IQAM	9	74	18.59	18.65	18.51		19	3.7			
20 IQAM	100	0	18.51	18.62	18.50						
20025 20175 20300											
Frequency (MHz)											
15 QPSK	1	0	21.01	21.14	21.00						
15 QPSK	1	37	20.96	21.13	21.06		22.7	0			
15 QPSK	1	74	20.90	21.12	21.05						
15 QPSK	1	9	20.96	21.08	21.01						
15 QPSK	38	20	20.91	20.98	21.01		22.7	0			
15 QPSK	38	70	20.92	21.05	21.00						
15 QPSK	75	0	20.93	21.13	21.04						
15 IQAM	1	0	21.02	21.09	21.02						
15 IQAM	1	37	20.97	21.10	21.03		22.7	0			
15 IQAM	1	74	20.91	21.06	21.01						
15 IQAM	38	0	21.08	20.93	20.91						
15 IQAM	38	20	20.97	21.05	21.00		22.7	0			
15 IQAM	38	70	21.02	21.11	21.01						
15 IQAM	75	0	20.90	21.10	21.02						
15 IQAM	75	0	20.87	21.04	20.96						
15 IQAM	1	37	20.95	21.05	20.93		22.7	0			
15 IQAM	1	74	20.89	21.12	21.08						
15 IQAM	38	0	20.98	20.92	20.91						
15 IQAM	38	20	20.98	20.93	20.71		22	0.7			
15 IQAM	38	70	20.83	20.80	20.76						
15 IQAM	75	0	18.48	18.49	18.45						
20000 20175 20300											
Frequency (MHz)											
10 QPSK	1	0	21.08	21.18	21.13						
10 QPSK	1	26	20.99	21.02	21.06		22.7	0			
10 QPSK	1	49	21.00	21.09	20.98						
10 QPSK	1	9	21.00	21.02	21.11						
10 QPSK	28	12	20.96	21.04	21.02		22.7	0			
10 QPSK	28	49	20.92	21.01	21.00						
10 QPSK	50	0	20.98	21.08	21.03						
10 IQAM	1	0	20.98	21.03	21.12						
10 IQAM	1	26	20.97	21.06	21.00		22.7	0			
10 IQAM	1	49	20.97	21.06	20.93						
10 IQAM	28	0	21.02	21.00	20.96						
10 IQAM	28	12	20.98	21.07	21.07		22.7	0			
10 IQAM	28	49	20.95	21.06	20.98						
10 IQAM	50	0	20.95	21.06	21.08						
10 IQAM	50	0	20.98	21.00	20.99		22.7	0			
10 IQAM	1	49	20.96	21.11	20.94						
10 IQAM	26	0	20.90	20.95	20.96						
10 IQAM	25	12	20.91	20.79	20.90		22	0.7			
10 IQAM	25	25	20.81	20.72	20.94						
10 IQAM	50	0	20.92	21.00	20.93						
10 IQAM	1	0	18.35	18.52	18.59						
10 IQAM	1	26	18.34	18.53	18.53		19	3.7			
10 IQAM	1	49	18.43	18.43	18.31						
10 IQAM	28	0	18.62	18.61	18.62						
10 IQAM	28	12	18.51	18.56	18.53		19	3.7			
10 IQAM	28	49	18.52	18.56	18.56						
10 IQAM	50	0	18.44	18.49	18.42						
19975 20175 20300											
Frequency (MHz)											
5 QPSK	1	0	20.98	21.08	21.02						
5 QPSK	1	12	20.92	21.03	20.97		22.7	0			
5 QPSK	1	24	20.96	21.12	21.04						
5 QPSK	13	0	20.96	21.01	20.99						
5 QPSK	12	7	20.94	20.99	21.03		22.7	0			
5 QPSK	12	13	20.97	21.01	21.00						
5 QPSK	13	0	20.97	21.05	21.08						
5 IQAM	1	0	21.03	21.12	21.06						
5 IQAM	1	12	20.97	21.00	20.98		22.7	0			
5 IQAM	1	24	20.96	21.05	20.97						
5 IQAM	12	0	21.07	21.03	20.99						
5 IQAM	12	13	20.97	21.10	20.95		22.7	0			
5 IQAM	25	0	20.98	21.03	21.00						
5 IQAM	1	12	21.02	21.04	21.01		22.7	0			
5 IQAM	1	24	20.94	21.03	21.04						
5 IQAM	12	0	20.98	21.00	20.96						
5 IQAM	12	7	20.95	20.75	21.00		22	0.7			
5 IQAM	12	13	20.87	20.89	20.98						
5 IQAM	25	0	20.98	21.05	20.98						
5 IQAM	1	0	18.51	18.58	18.59						
5 IQAM	1	12	18.33	18.51	18.50		19	3.7			
5 IQAM	1	24	18.49	18.49	18.36						
5 IQAM	12	0	18.50	18.65	18.58						
5 IQAM	12	7	18.45	18.55	18.55		19	3.7			
5 IQAM	25	0	18.51	18.55	18.51						
5 IQAM	25	0	18.38	18.59	18.45						
19950 20175 20300											
Frequency (MHz)											
3 QPSK	1	0	21.09	21.09	21.14						
3 QPSK	1	8	20.98	21.01	21.02		22.7	0			
3 QPSK	1	14	20.92	21.06	21.02						
3 QPSK	1	9	21.10	21.13	21.07						
3 QPSK	8	4	20.91	20.93	21.05		22.7	0			
3 QPSK	8	14	20.96	21.08	21.00						
3 QPSK	15	0	21.01	21.13	21.03						
3 IQAM	1	0	21.02	21.07	21.04						
3 IQAM	1	8	20.97	20.98	20.99		22.7	0			
3 IQAM	1	14	20.91	20.91	20.96						
3 IQAM	8	0	20.99	21.10	20.96		22.7	0			
3 IQAM	15	0	20.94	21.04	21.10						
3 IQAM	1	8	20.98	21.11	21.02						
3 IQAM	1	8	20.99	21.03	20.96		22.7	0			
3 IQAM	1	14	20.91	21.08	21.05						
3 IQAM	8	0	20.97	20.97	20.92						
3 IQAM	8	4	20.99	20.77	21.06		22	0.7			
3 IQAM	8	7	20.92	20.89	21.03						
3 IQAM	15	0	18.57	18.57	18.50						
3 IQAM	1	0	18.52	18.54	18.47						
3 IQAM	1	8	18.38	18.45	18.47		19	3.7			
3 IQAM	1	14	18.43	18.43	18.36						
3 IQAM	8	0	18.50	18.67	18.62						
3 IQAM	8	4	18.44	18.62	18.59		19	3.7			
3 IQAM	15	0	18.51	18.55	18.51						
3 IQAM	15	0	18.								



n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PBQ BPSK	1	1	22.74	22.68	22.71			
20	PBQ BPSK	1	53	22.87	22.80	22.85	24.0	0.0	
20	PBQ BPSK	1	104	22.83	22.86	22.72			
20	PBQ BPSK	50	0	22.82	22.57	22.61	24.0	0.0	
20	PBQ BPSK	50	28	22.85	22.59	22.85	24.0	0.0	
20	PBQ BPSK	50	56	22.82	22.60	22.61			
20	PBQ BPSK	100	0	22.87	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.70	22.81	22.75			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.65	22.71	22.65	24.0	0.0	
20	QPSK	50	56	22.67	22.70	22.65			
20	BQAM	1	1	22.74	22.68	22.74	24.0	0.0	
20	BQAM	1	1	21.88	21.80	21.85	22.0	0.0	
20	ZBQAM	1	1	20.63	19.96	20.00	21.0	3.0	
Channel				372000	376000	380000			
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1855	1860	1865			
10	QPSK	1	1	22.63	22.58	22.57	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1853.5	1860	1867.5			
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1840	1840	1840			
20	PBQ BPSK	1	1	15.48	15.48	15.47			
20	PBQ BPSK	1	53	15.42	15.44	15.48	17.0	0.0	
20	PBQ BPSK	1	104	15.41	15.38	15.35			
20	PBQ BPSK	50	0	15.44	15.52	15.38	17.0	0.0	
20	PBQ BPSK	50	28	15.48	15.48	15.42	17.0	0.0	
20	PBQ BPSK	50	56	15.49	15.54	15.41	17.0	0.0	
20	PBQ BPSK	100	0	15.41	15.48	15.48			
20	QPSK	1	1	15.52	15.58	15.52			
20	QPSK	1	53	15.50	15.54	15.47	17.0	0.0	
20	QPSK	1	104	15.51	15.55	15.38			
20	QPSK	50	0	15.49	15.55	15.45	17.0	0.0	
20	QPSK	50	28	15.52	15.57	15.39	17.0	0.0	
20	QPSK	50	56	15.38	15.46	15.39	17.0	0.0	
20	QPSK	100	0	15.43	15.45	15.43			
20	BQAM	1	1	15.45	15.50	15.35	17.0	0.0	
20	BQAM	1	1	15.38	15.47	15.45	17.0	0.0	
20	ZBQAM	1	1	15.39	15.45	15.45	17.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	15.40	15.51	15.46	17.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1855	1860	1865			
10	QPSK	1	1	15.48	15.45	15.37	17.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1852.5	1860	1867.5			
5	QPSK	1	1	15.45	15.45	15.43	17.0	0.0	

n66_Ant 2											
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)				1740	1745	1750					
40	PI2 BPSK	1	1	22.12	22.24	22.10	24.0	0.0			
40	PI2 BPSK	1	108	22.14	22.16	22.21					
40	PI2 BPSK	1	214	22.15	22.17	22.16					
40	PI2 BPSK	108	0	21.87	21.70	21.65					
40	PI2 BPSK	108	54	22.17	22.21	22.10	24.0	0.0			
40	PI2 BPSK	108	108	21.54	21.60	21.50	23.5	0.5			
40	PI2 BPSK	216	0	21.56	21.57	21.61					
40	QPSK	1	1	22.12	22.23	22.22					
40	QPSK	1	108	22.15	22.14	22.08	24.0	0.0			
40	QPSK	1	214	22.11	22.27	22.13	23.0	1.0			
40	QPSK	108	0	21.42	21.50	21.45					
40	QPSK	108	54	22.11	22.05	22.11					
40	QPSK	108	108	21.37	21.44	21.30					
40	QPSK	216	0	21.51	21.55	21.52	23.0	1.0			
40	16QAM	1	1	21.55	21.55	21.50					
40	64QAM	1	1	21.75	21.66	21.30					
40	256QAM	1	1	20.94	20.26	20.08	21.0	3.0			
Channel				17500	17500	17500	Tune-up limit (dBm)				
Frequency (MHz)				1745	1745	1745	MPR (dB)				
30	QPSK	1	1	22.13	22.26	22.08	24.0	0.0			
Channel				17500	17500	17500	Tune-up limit (dBm)				
Frequency (MHz)				1750	1745	1750	MPR (dB)				
20	QPSK	1	1	22.21	22.17	22.08	24.0	0.0			
Channel				17500	17500	17500	Tune-up limit (dBm)				
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)				
15	QPSK	1	1	22.15	22.13	22.11	24.0	0.0			
Channel				17500	17500	17500	Tune-up limit (dBm)				
Frequency (MHz)				1715	1745	1775	MPR (dB)				
10	QPSK	1	1	22.24	22.17	22.07	24.0	0.0			
Channel				17500	17500	17500	Tune-up limit (dBm)				
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)				
5	QPSK	1	1	22.10	22.13	22.12	24.0	0.0			

n66_Ant 1											
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)				1740	1745	1750					
40	PI2 BPSK	1	1	15.73	15.84	15.73	17.0	0.0			
40	PI2 BPSK	1	108	15.75	15.80	15.72					
40	PI2 BPSK	1	214	15.70	15.78	15.64					
40	PI2 BPSK	108	0	15.73	15.76	15.71					
40	PI2 BPSK	108	54	15.65	15.63	15.70	17.0	0.0			
40	PI2 BPSK	108	108	15.75	15.81	15.65	17.0	0.0			
40	PI2 BPSK	216	0	15.71	15.84	15.64					
40	QPSK	1	1	15.50	15.85	15.55					
40	QPSK	1	108	15.68	15.82	15.75	17.0	0.0			
40	QPSK	1	214	15.76	15.81	15.63	17.0	0.0			
40	QPSK	108	0	15.73	15.80	15.70					
40	QPSK	108	54	15.77	15.83	15.74					
40	QPSK	108	108	15.87	15.79	15.64					
40	QPSK	216	0	15.72	15.75	15.71	17.0	0.0			
40	16QAM	1	1	15.71	15.74	15.77					
40	64QAM	1	1	15.76	15.71	15.65					
40	256QAM	1	1	15.66	15.78	15.67	17.0	0.0			
Channel				346000	348000	350000	Tune-up limit (dBm)				
Frequency (MHz)				1745	1745	1745	MPR (dB)				
30	QPSK	1	1	15.68	15.74	15.70	17.0	0.0			
Channel				344000	348000	350000	Tune-up limit (dBm)				
Frequency (MHz)				1720	1745	1770	MPR (dB)				
20	QPSK	1	1	15.71	15.84	15.78	17.0	0.0			
Channel				348000	348000	352000	Tune-up limit (dBm)				
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)				
15	QPSK	1	1	15.67	15.79	15.72	17.0	0.0			
Channel				348000	348000	352000	Tune-up limit (dBm)				
Frequency (MHz)				1715	1745	1775	MPR (dB)				
10	QPSK	1	1	15.68	15.84	15.67	17.0	0.0			
Channel				348000	348000	352000	Tune-up limit (dBm)				
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)				
5	QPSK	1	1	15.66	15.82	15.70	17.0	0.0			



Reduced Power Mode for Other PA DS14

Band 4_Ant 2											
RF [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Total-imp (dBm)	MPR (dB)		
Channel											
20000 20175 20300											
20	QPSK	1	0	22.46	22.53	22.50					
20	QPSK	1	49	22.29	22.14	22.35					
20	QPSK	1	99	22.23	22.20	22.26					
20	QPSK	5	0	22.26	22.20	22.32					
20	QPSK	5	24	22.02	21.90	22.13					
20	QPSK	5	49	21.99	21.62	22.01					
20	QPSK	100	0	22.00	22.01	21.98					
20	QPSK	1	0	22.34	22.28	22.25					
20	QPSK	1	49	22.21	22.05	22.36					
20	QPSK	1	99	22.12	22.16	22.31					
20	QPSK	5	0	21.77	21.63	21.65					
20	QPSK	5	24	21.70	21.62	21.78					
20	QPSK	5	49	21.58	21.61	21.74					
20	QPSK	100	0	21.70	21.58	21.68					
20	QPSK	1	0	21.98	21.93	21.82					
20	QPSK	1	49	21.82	21.57	21.78					
20	QPSK	1	99	21.74	21.68	21.91					
20	QPSK	5	0	21.70	21.62	21.78					
20	QPSK	5	24	20.75	20.51	20.98					
20	QPSK	5	49	20.57	20.57	20.73					
20	QPSK	100	0	20.75	20.58	20.86					
20	QPSK	1	0	18.64	18.65	18.60					
20	QPSK	1	49	18.45	18.57	18.55					
20	QPSK	1	99	18.48	18.58	18.43					
20	QPSK	5	0	18.63	18.70	18.67					
20	QPSK	5	24	18.59	18.65	18.61					
20	QPSK	5	49	18.57	18.67	18.58					
20	QPSK	100	0	18.51	18.62	18.50					
Channel											
20000 20175 20300											
15	QPSK	1	0	22.42	22.23	22.25					
15	QPSK	1	37	22.31	22.18	22.30					
15	QPSK	1	74	22.26	22.22	22.41					
15	QPSK	5	0	22.18	21.89	22.50					
15	QPSK	5	38	21.97	21.88	21.98					
15	QPSK	5	74	21.95	21.89	22.00					
15	QPSK	75	0	21.95	21.80	21.99					
15	QPSK	1	0	22.28	22.15	22.18					
15	QPSK	1	37	22.21	22.07	22.22					
15	QPSK	1	74	22.23	22.08	22.36					
15	QPSK	5	0	21.82	21.63	21.72					
15	QPSK	5	38	21.71	21.59	21.89					
15	QPSK	5	74	21.65	21.58	21.81					
15	QPSK	75	0	21.65	21.59	21.74					
15	QPSK	1	0	21.68	21.58	21.82					
15	QPSK	1	37	21.62	21.73	21.68					
15	QPSK	1	74	21.80	21.71	21.90					
15	QPSK	5	0	20.88	20.88	20.71					
15	QPSK	5	38	20.88	20.59	20.70					
15	QPSK	5	74	20.63	20.60	20.76					
15	QPSK	75	0	20.63	20.60	20.76					
15	QPSK	1	0	18.20	18.52	18.47					
15	QPSK	1	37	18.30	18.56	18.54					
15	QPSK	1	74	18.40	18.54	18.36					
15	QPSK	5	0	18.58	18.65	18.63					
15	QPSK	5	38	18.50	18.50	18.57					
15	QPSK	5	74	18.50	18.50	18.55					
15	QPSK	75	0	18.46	18.49	18.45					
Channel											
20000 20175 20300											
10	QPSK	1	0	22.44	22.33	22.42					
10	QPSK	1	26	22.28	22.40	22.22					
10	QPSK	1	49	22.47	22.23	22.46					
10	QPSK	5	0	22.21	21.89	22.14					
10	QPSK	25	12	22.12	22.00	22.16					
10	QPSK	26	0	22.08	22.00	22.16					
10	QPSK	5	0	21.94	21.80	22.21					
10	QPSK	1	0	22.20	21.97	22.18					
10	QPSK	1	49	22.08	22.02	22.16					
10	QPSK	1	99	22.05	22.06	22.17					
10	QPSK	25	0	21.93	21.73	21.91					
10	QPSK	25	12	21.94	21.82	21.94					
10	QPSK	25	49	21.82	21.72	21.94					
10	QPSK	50	0	21.83	21.71	21.92					
10	QPSK	1	0	21.78	21.67	21.91					
10	QPSK	1	25	21.71	21.61	22.14					
10	QPSK	1	49	22.03	21.89	22.05					
10	QPSK	25	0	20.85	20.85	20.88					
10	QPSK	25	12	20.91	20.79	20.91					
10	QPSK	25	49	20.81	20.72	20.94					
10	QPSK	50	0	20.81	20.72	20.94					
10	QPSK	1	0	18.25	18.52	18.53					
10	QPSK	1	25	18.34	18.55	18.53					
10	QPSK	1	49	18.43	18.54	18.51					
10	QPSK	25	0	18.62	18.61	18.62					
10	QPSK	25	12	18.51	18.56	18.53					
10	QPSK	25	49	18.50	18.52	18.55					
10	QPSK	50	0	18.44	18.59	18.42					
Channel											
19975 20175 20300											
5	QPSK	1	0	22.43	22.30	22.37					
5	QPSK	1	12	22.41	22.36	22.40					
5	QPSK	1	24	22.39	22.28	22.36					
5	QPSK	13	0	22.23	21.88	22.15					
5	QPSK	12	7	22.16	22.01	22.25					
5	QPSK	12	13	22.13	21.98	22.22					
5	QPSK	1	0	22.16	21.87	22.23					
5	QPSK	1	0	22.14	21.88	22.21					
5	QPSK	1	12	22.22	21.88	22.26					
5	QPSK	1	24	22.11	21.90	22.18					
5	QPSK	12	0	21.93	21.69	21.89					
5	QPSK	12	7	21.86	21.72	22.01					
5	QPSK	12	13	21.88	21.72	22.01					
5	QPSK	25	0	21.89	21.70	21.94					
5	QPSK	1	0	21.84	21.68	22.05					
5	QPSK	1	12	22.22	21.93	22.36					
5	QPSK	1	24	22.09	21.88	22.18					
5	QPSK	13	0	21.80	21.57	21.96					
5	QPSK	12	7	20.85	20.75	21.01					
5	QPSK	12	13	20.87	20.69	20.98					
5	QPSK	25	0	20.86	20.65	20.96					
5	QPSK	1	0	18.51	18.58	18.59					
5	QPSK	1	12	18.33	18.51	18.59					
5	QPSK	1	24	18.47	18.49	18.52					
5	QPSK	12	0	18.56	18.65	18.58					
5	QPSK	12	7	18.45	18.55	18.55					
5	QPSK	12	13	18.51	18.55	18.51					
5	QPSK	25	0	18.48	18.49	18.45					
Channel											
19995 20175 20300											
3	QPSK	1	0	22.25	22.31	22.36					
3	QPSK	1	8	22.38	22.40	22.44					
3	QPSK	1	14	22.31	22.21	22.41					
3	QPSK	1	24	22.24	22.01	22.22					
3	QPSK	8	4	22.20	22.03	22.29					
3	QPSK	8	8	22.17	22.02	22.18					
3	QPSK	15	0	22.17	22.02	22.18					
3	QPSK	1	0	22.13	21.82	22.10					
3	QPSK	1	8	22.21	21.98	22.23					
3	QPSK	1	14	22.18	21.83	22.05					
3	QPSK	8	0	22.04	21.79	22.03					
3	QPSK	8	8	21.98	21.73	21.92					
3	QPSK	15	0	21.94	21.79	22.08					
3	QPSK	1	0	21.87	21.76	21.96					
3	QPSK	1	8	21.88	21.68	22.05					
3	QPSK	1	14	22.25	21.93	22.25					
3	QPSK	8	0	20.95	20.70	20.74					
3	QPSK	8	8	20.91	20.85	20.92					
3	QPSK	15	0	20.97	20.87	20.92					
3	QPSK	1	0	18.90	18.98	18.99					
3	QPSK	1	8	18.90	18.97	18.92					
3	QPSK	1	14	18.86	18.90	18.85					
Channel											
19997 20175 20300											
14	QPSK	1	0	22.20	22.07	22.21					
14	QPSK	1	8	22.25	22.12	22.28					
14	QPSK	1	5	22.19	22.12	22.24					
14	QPSK	3	0	22.22	22.12	22.29					
14	QPSK	3	8	22.20	22.14	22.27					
14	QPSK	3	3	22.24	22.11	22.23					
14	QPSK	6	0	21.76	21.59	22.28					
14	QPSK	6	8	21.68	21.58	22.01					
14	QPSK	1	0	22.32	21.91	22.35					
14	QPSK	1	5	22.15	21.90	22.18					
14	QPSK	1	8	22.12	21.72	22.08					
14	QPSK	3	0	22.02	21.74	22.04					
14	QPSK	3	3	21.96	21.69	22.07					
14	QPSK	6	0	21.							



n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				372000	374000	380000			
Frequency (MHz)				1840	1840	1840			
20	PBQ BPSK	1	1	22.74	22.68	22.71			
20	PBQ BPSK	1	53	22.87	22.80	22.85	24.0	0.0	
20	PBQ BPSK	1	104	22.83	22.86	22.72			
20	PBQ BPSK	50	0	22.82	22.57	22.61	24.0	0.0	
20	PBQ BPSK	50	28	22.85	22.59	22.85	24.0	0.0	
20	PBQ BPSK	50	56	22.82	22.60	22.61			
20	PBQ BPSK	100	0	22.87	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.70	22.81	22.75			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0	
20	QPSK	50	28	22.65	22.72	22.60	24.0	0.0	
20	QPSK	50	56	22.61	22.86	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.65			
20	BQAM	1	1	22.74	22.68	22.74	24.0	0.0	
20	BQAM	1	1	21.88	21.80	21.85	22.0	0.0	
20	ZBQAM	1	1	20.63	19.96	20.00	21.0	3.0	
Channel				18750	18700	18600			
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				18750	18700	18600			
Frequency (MHz)				1855	1860	1865			
10	QPSK	1	1	22.63	22.58	22.67	24.0	0.0	
Channel				18750	18700	18600			
Frequency (MHz)				1852.5	1860	1867.5			
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med. Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				372000	374000	380000			
Frequency (MHz)				1840	1840	1840			
20	PBQ BPSK	1	1	22.51	22.43	22.37			
20	PBQ BPSK	1	53	22.46	22.37	22.21	24.0	0.0	
20	PBQ BPSK	1	104	22.34	22.27	22.13			
20	PBQ BPSK	50	0	22.53	22.38	22.10	23.5	0.5	
20	PBQ BPSK	50	28	22.59	22.23	22.09	24.0	0.0	
20	PBQ BPSK	50	46	22.33	22.27	22.10			
20	PBQ BPSK	100	0	22.36	22.30	22.13	23.5	0.5	
20	QPSK	1	1	22.51	22.50	22.27			
20	QPSK	1	53	22.48	22.40	22.21	24.0	0.0	
20	QPSK	1	104	22.36	22.31	22.17			
20	QPSK	50	0	22.16	22.06	21.92	23.0	1.0	
20	QPSK	50	28	22.30	22.41	22.21	24.0	0.0	
20	QPSK	50	56	22.01	21.90	21.76	23.0	1.0	
20	QPSK	100	0	22.05	22.07	21.82			
20	BQAM	1	1	22.21	22.42	22.26	23.0	1.0	
20	BQAM	1	1	20.09	20.60	20.44	21.5	2.5	
20	ZBQAM	1	1	18.62	18.44	18.30	19.5	4.5	
Channel				18750	18700	18600			
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	22.48	22.30	22.14	24.0	0.0	
Channel				18750	18700	18600			
Frequency (MHz)				1855	1860	1865			
10	QPSK	1	1	22.43	22.30	22.21	24.0	0.0	
Channel				18750	18700	18600			
Frequency (MHz)				1852.5	1860	1867.5			
5	QPSK	1	1	22.50	22.50	22.21	24.0	0.0	

n66_Ant 2								
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				1745	1745	1750		
Frequency (MHz)								
40	PI4-BPSK	1	1	22.12	22.24	22.10	24.0	0.0
40	PI4-BPSK	1	108	22.14	22.16	22.21		
40	PI4-BPSK	1	214	22.18	22.17	22.16		
40	PI4-BPSK	108	5	21.87	21.70	21.65	23.5	0.5
40	PI4-BPSK	108	54	22.17	22.21	22.19	24.0	0.0
40	PI4-BPSK	108	108	21.54	21.60	21.50	23.5	0.5
40	PI4-BPSK	216	5	21.56	21.57	21.61		
40	QPSK	1	1	22.12	22.23	22.22		
40	QPSK	1	108	22.15	22.14	22.08	24.0	0.0
40	QPSK	1	214	22.11	22.27	22.13	23.0	1.0
40	QPSK	108	5	21.42	21.50	21.45		
40	QPSK	108	54	22.11	22.05	22.11		
40	QPSK	108	108	21.37	21.44	21.30	23.0	1.0
40	QPSK	216	5	21.51	21.55	21.52	23.0	1.0
40	16QAM	1	1	21.58	21.55	21.60		
40	16QAM	1	1	21.75	21.65	21.30		
40	256QAM	1	1	20.34	20.26	20.08	21.0	3.0
Channel				1750	1755	1760		
Frequency (MHz)								
30	QPSK	1	1	22.13	22.26	22.08	24.0	0.0
30	QPSK	1	1	17.15	17.45	17.65		
30	QPSK	1	1	22.15	22.00	22.00		
Frequency (MHz)								
20	QPSK	1	1	22.23	22.17	22.08	24.0	0.0
20	QPSK	1	1	17.20	17.45	17.75		
20	QPSK	1	1	22.24	22.17	22.07		
Frequency (MHz)								
15	QPSK	1	1	22.15	22.13	22.11	24.0	0.0
15	QPSK	1	1	17.17.5	17.45	17.72.5		
15	QPSK	1	1	22.24	22.17	22.07		
Frequency (MHz)								
10	QPSK	1	1	22.30	22.17	22.07	24.0	0.0
10	QPSK	1	1	17.15	17.45	17.75		
10	QPSK	1	1	22.24	22.17	22.07		
Frequency (MHz)								
5	QPSK	1	1	22.19	22.13	22.12	24.0	0.0

n66_Ant 1								
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				1740	1745	1750		
Frequency (MHz)								
40	PI4-BPSK	1	1	22.77	22.79	22.81	24.0	0.0
40	PI4-BPSK	1	108	22.70	22.72	22.57		
40	PI4-BPSK	1	214	22.82	22.85	22.50		
40	PI4-BPSK	108	5	22.73	22.73	22.57	23.5	0.5
40	PI4-BPSK	108	54	22.83	22.86	22.47	24.0	0.0
40	PI4-BPSK	108	108	22.85	22.85	22.49	23.5	0.5
40	PI4-BPSK	216	5	22.71	22.75	22.57		
40	QPSK	1	1	22.50	22.52	22.55		
40	QPSK	1	108	22.71	22.74	22.59	24.0	0.0
40	QPSK	1	214	22.56	22.55	22.36	23.0	1.0
40	QPSK	108	5	22.43	22.47	22.32		
40	QPSK	108	54	22.73	22.75	22.65		
40	QPSK	108	108	22.33	22.33	22.14	23.0	1.0
40	QPSK	216	5	22.55	22.40	22.23	23.0	1.0
40	16QAM	1	1	22.41	22.45	22.25		
40	16QAM	1	1	20.97	21.01	20.83		
40	256QAM	1	1	19.23	19.24	19.09	19.5	4.5
Channel				1750	1755	1760		
Frequency (MHz)								
30	QPSK	1	1	17.20	17.55	17.65	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.70	22.66	22.49	24.0	0.0
30	QPSK	1	1	17.00	17.00	17.00	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.71	22.73	22.57	24.0	0.0
30	QPSK	1	1	17.00	17.00	17.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	17.20	17.45	17.75	24.0	0.0
20	QPSK	1	1	22.71	22.73	22.57	24.0	0.0
20	QPSK	1	1	17.00	17.00	17.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	17.17.5	17.45	17.72.5	24.0	0.0
15	QPSK	1	1	22.68	22.71	22.51	24.0	0.0
15	QPSK	1	1	17.00	17.00	17.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	17.15	17.45	17.75	24.0	0.0
10	QPSK	1	1	22.70	22.71	22.49	24.0	0.0
10	QPSK	1	1	17.00	17.00	17.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	17.12.5	17.45	17.77.5	24.0	0.0



1.7	1.4	256QAM	3	3	18.78
	1.4	256QAM	6	0	18.94



n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	P12 BPSK	1	1	22.74	22.69	22.71			
20	P12 BPSK	1	53	22.67	22.60	22.66	24.0	0.0	
20	P12 BPSK	1	104	22.69	22.60	22.72		0.0	
20	P12 BPSK	50	0	22.62	22.57	22.61	24.0	0.0	
20	P12 BPSK	50	26	22.65	22.59	22.66	24.0	0.0	
20	P12 BPSK	50	46	22.68	22.60	22.61		0.0	
20	P12 BPSK	100	0	22.67	22.59	22.61	24.0	0.0	
20	QPSK	1	1	22.70	22.61	22.70			
20	QPSK	1	53	22.72	22.70	22.71	24.0	0.0	
20	QPSK	1	104	22.70	22.72	22.74			
20	QPSK	50	0	22.60	22.62	22.65	24.0	0.0	
20	QPSK	50	26	22.61	22.72	22.68	24.0	0.0	
20	QPSK	50	46	22.61	22.59	22.59	24.0	0.0	
20	QPSK	100	0	22.67	22.70	22.69			
20	64QAM	1	1	22.74	22.69	22.74	24.0	0.0	
20	64QAM	1	1	21.88	21.90	21.85	22.0	0.0	
20	256QAM	1	1	20.63	19.95	20.00	21.0	3.0	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1867.5	1860	1862.5			
15	QPSK	1	1	22.73	22.70	22.73	24.0	0.0	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	22.63	22.59	22.67	24.0	0.0	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1862.5	1860	1862.5			
5	QPSK	1	1	22.65	22.60	22.62	24.0	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	P12 BPSK	1	1	20.50	20.58	20.51			
20	P12 BPSK	1	53	20.52	20.54	20.48	22.0	0.0	
20	P12 BPSK	1	104	20.50	20.52	20.51			
20	P12 BPSK	50	0	20.45	20.52	20.43	22.0	0.0	
20	P12 BPSK	50	26	20.49	20.47	20.45	22.0	0.0	
20	P12 BPSK	50	56	20.50	20.47	20.48			
20	P12 BPSK	100	0	20.42	20.50	20.44	22.0	0.0	
20	QPSK	1	1	20.53	20.50	20.50			
20	QPSK	1	53	20.43	20.55	20.41	22.0	0.0	
20	QPSK	1	104	20.48	20.52	20.41			
20	QPSK	50	0	20.45	20.54	20.53	22.0	0.0	
20	QPSK	50	26	20.52	20.55	20.54	22.0	0.0	
20	QPSK	50	56	20.51	20.49	20.48	22.0	0.0	
20	QPSK	100	0	20.43	20.57	20.50			
20	64QAM	1	1	20.45	20.49	20.51	22.0	0.0	
20	64QAM	1	1	20.45	20.45	20.52	21.5	0.5	
20	256QAM	1	1	18.52	18.44	18.30	18.5	2.5	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1867.5	1860	1862.5			
15	QPSK	1	1	20.47	20.55	20.53	22.0	0.0	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	20.46	20.49	20.52	22.0	0.0	
Channel				1870.00	1870.00	1870.00			
Frequency (MHz)				1862.5	1860	1862.5			
5	QPSK	1	1	20.51	20.48	20.43	22.0	0.0	

n66_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1740	1745	1750		
40	RU-BPSK	1	1	21.68	21.77	21.73		
40	RU-BPSK	1	108	21.74	21.84	21.72	23.0	0.0
40	RU-BPSK	1	214	21.70	21.80	21.72		
40	RU-BPSK	108	0	21.67	21.86	21.68	23.0	0.0
40	RU-BPSK	108	54	21.74	21.76	21.70	23.0	0.0
40	RU-BPSK	108	108	21.72	21.81	21.64		
40	RU-BPSK	216	0	21.79	21.85	21.80	23.0	0.0
40	QPSK	1	1	21.61	21.68	21.55		
40	QPSK	1	108	21.67	21.78	21.61	23.0	0.0
40	QPSK	1	214	21.72	21.85	21.72		
40	QPSK	108	0	21.76	21.82	21.85	23.0	0.0
40	QPSK	108	54	21.75	21.85	21.75	23.0	0.0
40	QPSK	108	108	21.68	21.79	21.61	23.0	0.0
40	QPSK	216	0	21.78	21.83	21.70		
40	16QAM	1	1	21.66	21.75	21.72	23.0	0.0
40	16QAM	1	1	21.75	21.66	21.59	22.0	0.0
40	256QAM	1	1	20.34	20.26	20.08	21.0	0.0
Channel				347000	349000	351000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.75	21.84	21.64	23.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.69	21.78	21.61	23.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.65	21.69	21.77	23.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.72	21.72	21.67	23.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.85	21.77	21.70	23.0	0.0

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up test (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1740	1745	1750		
40	RU-BPSK	1	1	20.77	20.70	20.74		
40	RU-BPSK	1	108	20.70	20.81	20.75	22.0	0.0
40	RU-BPSK	1	214	20.77	20.73	20.70		
40	RU-BPSK	108	0	20.68	20.75	20.69	22.0	0.0
40	RU-BPSK	108	54	20.69	20.75	20.71	22.0	0.0
40	RU-BPSK	108	108	20.68	20.74	20.73		
40	RU-BPSK	216	0	20.65	20.73	20.73	22.0	0.0
40	QPSK	1	1	20.75	20.80	20.65		
40	QPSK	1	108	20.74	20.70	20.75	22.0	0.0
40	QPSK	1	214	20.68	20.73	20.77		
40	QPSK	108	0	20.74	20.82	20.72	22.0	0.0
40	QPSK	108	54	20.75	20.85	20.75	22.0	0.0
40	QPSK	108	108	20.64	20.80	20.77	22.0	0.0
40	QPSK	216	0	20.63	20.73	20.73		
40	16QAM	1	1	20.71	20.84	20.73	22.0	0.0
40	16QAM	1	1	20.76	20.74	20.66	21.5	0.0
40	256QAM	1	1	19.23	19.24	19.00	19.5	2.5
Channel				347000	349000	349000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.65	20.75	20.68	22.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.70	20.80	20.72	22.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.63	20.80	20.66	22.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.77	20.70	20.73	22.0	0.0
Channel				347000	349000	349000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.72	20.62	20.78	22.0	0.0



Reduced Power Mode for Other PA D517

Band 4_Ant 2											
[BW MHz]	Modulation	RB Size	RB Offset	Power MAG Ch / Freq	Power MAG Ch / Freq	Power MAG Ch / Freq	Total- ant (mW)	MPE (dB)			
Channel											
Frequency (MHz)											
20050 20175 20300											
20	QPSK	1	0	21.10	21.20	21.10					
20	QPSK	1	49	21.01	21.14	21.12	22.7	0			
20	QPSK	1	99	21.01	21.14	21.11					
20	QPSK	1	5	21.10	21.15	21.10					
20	QPSK	50	24	21.02	21.08	21.10	22.7	0			
20	QPSK	50	24	21.09	21.12	21.10					
20	QPSK	100	0	21.04	21.14	21.11					
20	IQPSK	1	0	21.08	21.15	21.13					
20	IQPSK	1	49	21.07	21.17	21.09	22.7	0			
20	IQPSK	1	99	21.01	21.10	21.03					
20	IQPSK	50	0	21.09	21.09	21.03					
20	IQPSK	50	24	21.06	21.15	21.10	22.7	0			
20	IQPSK	50	50	21.11	21.14	21.08					
20	IQPSK	100	0	21.01	21.16	21.11					
20	IQPSK	100	0	20.97	21.09	20.96					
20	IQPSK	1	49	21.01	21.15	21.06	22.7	0			
20	IQPSK	1	99	20.99	21.14	21.06					
20	IQPSK	50	0	20.79	20.92	20.86					
20	IQPSK	50	24	20.75	20.91	20.88	22	0.7			
20	IQPSK	50	50	20.87	20.87	20.73					
20	IQPSK	100	0	18.64	18.65	18.60					
20	IQPSK	1	49	18.45	18.57	18.55	19	3.7			
20	IQPSK	1	99	18.48	18.58	18.43					
20	IQPSK	50	0	18.63	18.70	18.67					
20	IQPSK	50	24	18.59	18.65	18.61	19	3.7			
20	IQPSK	50	50	18.67	18.67	18.58					
20	IQPSK	100	0	18.51	18.62	18.50					
20025 20175 20325											
15	QPSK	1	0	21.01	21.14	21.10					
15	QPSK	1	47	20.96	21.13	21.06	22.7	0			
15	QPSK	1	74	20.90	21.12	21.05					
15	QPSK	1	23	21.06	21.08	21.01					
15	QPSK	38	20	20.91	20.98	21.01	22.7	0			
15	QPSK	38	20	20.97	21.00	20.96					
15	QPSK	75	0	20.93	21.13	21.04					
15	IQPSK	1	0	21.02	21.09	21.02					
15	IQPSK	1	47	20.97	21.08	21.01	22.7	0			
15	IQPSK	1	74	20.91	21.06	21.01					
15	IQPSK	38	0	21.08	20.93	20.91					
15	IQPSK	38	20	20.97	21.00	20.96	22.7	0			
15	IQPSK	38	20	21.02	21.11	21.01					
15	IQPSK	75	0	20.90	21.10	21.02					
15	IQPSK	75	0	20.97	21.04	20.94					
15	IQPSK	1	47	20.95	21.05	20.93	22.7	0			
15	IQPSK	1	74	20.89	21.12	21.03					
15	IQPSK	38	0	20.92	21.08	20.97					
15	IQPSK	38	20	20.98	20.99	20.71	22	0.7			
15	IQPSK	38	20	20.93	20.90	20.76					
15	IQPSK	75	0	18.20	18.52	18.47					
15	IQPSK	1	47	18.30	18.56	18.54	19	3.7			
15	IQPSK	1	74	18.40	18.45	18.36					
15	IQPSK	38	0	18.28	18.65	18.63					
15	IQPSK	38	20	18.26	18.50	18.57	19	3.7			
15	IQPSK	38	20	18.36	18.56	18.55					
15	IQPSK	75	0	18.46	18.49	18.45					
20000 20175 20380											
10	QPSK	1	0	21.08	21.18	21.13					
10	QPSK	1	26	20.99	21.02	21.06	22.7	0			
10	QPSK	1	49	21.00	21.02	21.11					
10	QPSK	25	12	20.96	21.04	21.02	22.7	0			
10	QPSK	25	12	20.92	21.01	21.01					
10	QPSK	50	0	20.98	21.08	21.03					
10	IQPSK	1	0	20.98	21.03	21.12					
10	IQPSK	1	49	20.97	21.06	21.06	22.7	0			
10	IQPSK	1	99	20.97	21.06	21.05					
10	IQPSK	25	0	21.02	21.00	20.90					
10	IQPSK	25	12	20.98	21.00	20.98	22.7	0			
10	IQPSK	50	0	20.95	21.06	21.08					
10	IQPSK	50	12	20.94	21.00	21.00					
10	IQPSK	1	49	20.96	21.01	20.98	22.7	0			
10	IQPSK	1	99	20.96	21.01	20.96					
10	IQPSK	25	0	20.91	20.79	20.90	22	0.7			
10	IQPSK	25	12	20.81	20.72	20.94					
10	IQPSK	50	0	18.25	18.52	18.51					
10	IQPSK	1	49	18.25	18.52	18.59	19	3.7			
10	IQPSK	1	25	18.34	18.55	18.53					
10	IQPSK	1	74	18.40	18.45	18.36					
10	IQPSK	25	0	18.62	18.61	18.62					
10	IQPSK	25	12	18.51	18.56	18.57	19	3.7			
10	IQPSK	25	12	18.62	18.59	18.55					
10	IQPSK	50	0	18.44	18.49	18.42					
19975 20175 20375											
5	QPSK	1	0	20.98	21.08	21.02					
5	QPSK	1	12	20.92	21.03	20.97	22.7	0			
5	QPSK	1	24	20.96	21.12	21.04					
5	QPSK	13	0	20.96	21.01	20.99					
5	QPSK	12	7	20.94	20.99	21.03	22.7	0			
5	QPSK	12	7	20.97	21.01	21.00					
5	QPSK	15	0	20.97	21.05	21.08					
5	IQPSK	1	0	21.03	21.12	21.06					
5	IQPSK	1	12	20.97	21.04	21.01	22.7	0			
5	IQPSK	1	24	20.84	21.03	21.04					
5	IQPSK	12	0	20.98	21.00	20.96					
5	IQPSK	12	7	20.85	20.75	21.01	22	0.7			
5	IQPSK	12	13	20.87	20.89	20.98					
5	IQPSK	25	0	20.96	21.06	21.02					
5	IQPSK	25	12	20.97	21.01	21.04					
5	IQPSK	1	49	18.51	18.58	18.59	19	3.7			
5	IQPSK	1	25	18.34	18.51	18.50					
5	IQPSK	1	74	18.40	18.45	18.36					
5	IQPSK	12	0	18.26	18.65	18.58					
5	IQPSK	12	7	18.45	18.55	18.55	19	3.7			
5	IQPSK	12	13	18.51	18.55	18.51					
5	IQPSK	25	0	18.38	18.69	18.45					
19950 20175 20385											
3	QPSK	1	0	21.09	21.09	21.14					
3	QPSK	1	8	20.96	21.03	21.06	22.7	0			
3	QPSK	1	16	20.92	21.08	21.02					
3	QPSK	1	5	21.00	21.05	21.00					
3	QPSK	8	7	20.95	21.08	21.04	22.7	0			
3	QPSK	8	7	20.98	21.13	21.03					
3	IQPSK	1	0	21.02	21.07	21.04					
3	IQPSK	1	8	20.96	21.06	21.06	22.7	0			
3	IQPSK	1	16	20.98	21.03	21.03					
3	IQPSK	8	4	21.01	20.97	21.01					
3	IQPSK	8	4	20.95	21.08	21.11	22.7	0			
3	IQPSK	16	0	20.96	21.11	21.12					
3	IQPSK	16	0	20.97	21.03	21.03	22.7	0			
3	IQPSK	1	16	20.91	21.08	21.01					
3	IQPSK	8	0	20.99	21.07	21.02					
3	IQPSK	8	7	20.99	20.77	21.09	22	0.7			
3	IQPSK	8	7	20.92	20.69	21.01					
3	IQPSK	16	0	20.87	20.79	20.92					
3	IQPSK	16	0	20.88	20.74	20.84					
3	IQPSK	1	8	18.38	18.45	18.47	19	3.7			
3	IQPSK	1	16	18.34	18.43	18.39					
3	IQPSK	8	0	18.52	18.54	18.47					
3	IQPSK	8	4	18.44	18.62	18.59	19	3.7			
3	IQPSK	8	4	18.50	18.55	18.47					
3	IQPSK	16	0	18.46	18.49	18.45					
19927 20175 20393											
1.4	QPSK	1	0	21.07	21.07	21.10					
1.4	QPSK	1	8	20.87	21.01	21.01					
1.4	QPSK	1	16	20.89	21.06	21.02	22.7	0			
1.4	QPSK	1	5	21.00	21.05	21.00					
1.4	QPSK	3	7	20.87	20.96	20.95					
1.4	QPSK	3	7	20.99	21.07	20.98	22.7	0			
1.4	QPSK	3	7	21.00	21.02	21.04					
1.4	IQPSK	1	0	21.06	21.13	21.08					
1.4	IQPSK	1	8	21.06	20.99	21.04					
1.4	IQPSK	1	16	20.98	21.06	21.06	22.7	0			
1.4	IQPSK	3	0	20.84	21.12	21.06					
1.4	IQPSK	3	0	21.00	21.02	21.08					
1.4	IQPSK	3	8	20.86	21.08	21.04	22.7	0			
1.4	IQPSK	3	8	20.98	21.07	21.01					
1.4	IQPSK	3	16	20.98	21.03	21.03					
1.4	IQPSK	3	8	21.04	21.01	20.99					
1.4	IQPSK	3	8	20.94	20.79	20.98	22	0.7			
1.4	IQPSK	3	16	18.36	18.46	18.38					
1.4	IQPSK	3	8	18.34	18.55	18.49					
1.4	IQPSK	3	16	18.40	18.45	18.36					
1.4	IQPSK	3	16	18.56	18.58	18.48	19	3.7			
1.4	IQPSK	3	16	18.59	18.58	18.48					
1.4	IQPSK	3	16	18.47	18.60	18.50					
1.4	IQPSK	3	16	18.57	18.57	18.47					
1.4	IQPSK	3	0	18.50	18.51	18.44	19	3.7			



n2_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)
Channel				372000	376000	380000	MPR (dB)
Frequency (MHz)				1865	1865	1905	
20	PQ2 BPSK	1	1	19.31	19.28	19.28	
20	PQ2 BPSK	1	53	19.27	19.25	19.22	20.5
20	PQ2 BPSK	1	104	19.28	19.32	19.21	
20	PQ2 BPSK	50	5	19.29	19.25	19.20	20.5
20	PQ2 BPSK	50	28	19.29	19.29	19.20	20.5
20	PQ2 BPSK	50	56	19.23	19.31	19.21	
20	PQ2 BPSK	100	0	19.34	19.32	19.20	20.5
20	QPSK	1	1	19.35	19.38	19.35	
20	QPSK	1	53	19.21	19.29	19.18	20.5
20	QPSK	1	104	19.30	19.26	19.28	
20	QPSK	50	5	19.25	19.28	19.21	20.5
20	QPSK	50	28	19.31	19.33	19.25	20.5
20	QPSK	50	56	19.33	19.27	19.27	
20	QPSK	100	0	19.23	19.29	19.19	20.5
20	16QAM	1	1	19.25	19.31	19.27	20.5
20	16QAM	1	1	19.30	19.33	19.25	20.5
20	256QAM	1	1	19.29	19.30	19.19	20.5
Channel				371500	376000	380500	Tune-up Int (dBm)
Frequency (MHz)				1867.5	1865	1902.5	MPR (dB)
15	QPSK	1	1	19.25	19.30	19.26	20.5
Channel				371000	376000	381000	Tune-up Int (dBm)
Frequency (MHz)				1865	1865	1905	MPR (dB)
10	QPSK	1	1	19.33	19.31	19.17	20.5
Channel				370500	376000	381500	Tune-up Int (dBm)
Frequency (MHz)				1862.5	1865	1902.5	MPR (dB)
5	QPSK	1	1	19.27	19.24	19.19	20.5

n2_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)
Channel				372000	376000	380000	MPR (dB)
Frequency (MHz)				1865	1865	1905	
20	PQ2 BPSK	1	1	13.99	14.10	14.01	
20	PQ2 BPSK	1	53	14.06	14.05	13.99	15.5
20	PQ2 BPSK	1	104	13.93	13.99	14.02	
20	PQ2 BPSK	50	5	14.08	14.02	13.99	15.5
20	PQ2 BPSK	50	28	13.95	14.03	13.97	15.5
20	PQ2 BPSK	50	56	13.94	14.07	14.03	
20	PQ2 BPSK	100	0	14.00	13.97	13.97	15.5
20	QPSK	1	1	14.03	14.12	14.02	
20	QPSK	1	53	14.04	14.02	13.97	15.5
20	QPSK	1	104	13.98	14.00	14.00	
20	QPSK	50	5	13.95	14.07	13.95	15.5
20	QPSK	50	28	14.07	14.10	14.03	15.5
20	QPSK	50	56	13.97	13.99	13.96	15.5
20	QPSK	100	0	13.98	14.02	13.97	
20	16QAM	1	1	13.99	14.01	13.93	15.5
20	16QAM	1	1	14.07	14.05	14.02	15.5
20	256QAM	1	1	13.96	14.07	13.97	15.5
Channel				371500	376000	380500	Tune-up Int (dBm)
Frequency (MHz)				1867.5	1865	1902.5	MPR (dB)
15	QPSK	1	1	13.93	14.11	13.95	15.5
Channel				371000	376000	381000	Tune-up Int (dBm)
Frequency (MHz)				1865	1865	1905	MPR (dB)
10	QPSK	1	1	13.99	13.98	14.02	15.5
Channel				370500	376000	381500	Tune-up Int (dBm)
Frequency (MHz)				1862.5	1865	1902.5	MPR (dB)
5	QPSK	1	1	13.99	14.02	13.99	15.5



n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac]	Power Mode Ch.1 [Frac]	Power High Ch.1 [Frac]	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency [MHz]				1740	1745	1750			
40	PIC-BPSK	1	1	22.12	22.24	22.10			
40	PIC-BPSK	1	108	22.14	22.16	22.21	24.0	0.0	
40	PIC-BPSK	1	214	22.18	22.17	22.16			
40	PIC-BPSK	108	0	21.67	21.70	21.65	23.5	0.5	
40	PIC-BPSK	108	54	22.17	22.21	22.10	24.0	0.0	
40	PIC-BPSK	108	108	21.54	21.60	21.59			
40	PIC-BPSK	216	0	21.50	21.57	21.61	23.5	0.5	
40	QPSK	1	1	22.21	22.28	22.22			
40	QPSK	1	108	22.10	22.14	22.08	24.0	0.0	
40	QPSK	1	214	22.11	22.07	22.10			
40	QPSK	108	0	21.42	21.50	21.45	23.0	1.0	
40	QPSK	108	54	22.13	22.28	22.20	24.0	0.0	
40	QPSK	108	108	21.37	21.44	21.30			
40	QPSK	216	0	21.31	21.35	21.32	23.0	1.0	
40	16QAM	1	1	21.88	21.65	21.60	23.0	1.0	
40	16QAM	1	1	21.70	21.66	21.60	22.0	2.0	
40	256QAM	1	1	20.54	20.28	20.08	21.0	3.0	
Channel				349000	349000	353000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1745	1745	1745			
30	QPSK	1	1	22.13	22.26	22.08	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1720	1745	1770			
30	QPSK	1	1	22.23	22.17	22.08	24.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1717.5	1745	1772.5			
15	QPSK	1	1	22.15	22.13	22.11	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1715	1745	1775			
10	QPSK	1	1	22.24	22.17	22.07	24.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1712.5	1745	1777.5			
5	QPSK	1	1	22.10	22.13	22.12	24.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Frac]	Power Mode Ch.1 [Frac]	Power High Ch.1 [Frac]	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency [MHz]				1735	1745	1755			
40	PIC-BPSK	1	1	14.28	14.29	14.31			
40	PIC-BPSK	1	108	14.30	14.37	14.20	15.5	0.0	
40	PIC-BPSK	1	214	14.23	14.37	14.22			
40	PIC-BPSK	108	0	14.33	14.35	14.21	15.5	0.0	
40	PIC-BPSK	108	54	14.32	14.36	14.29	15.5	0.0	
40	PIC-BPSK	108	108	14.30	14.23	14.26	15.5	0.0	
40	PIC-BPSK	216	0	14.31	14.30	14.32			
40	QPSK	1	1	14.34	14.38	14.33			
40	QPSK	1	108	14.28	14.27	14.28	15.5	0.0	
40	QPSK	1	214	14.34	14.35	14.19			
40	QPSK	108	0	14.20	14.20	14.20	15.5	0.0	
40	QPSK	108	54	14.22	14.36	14.31	15.5	0.0	
40	QPSK	108	108	14.24	14.33	14.22	15.5	0.0	
40	QPSK	216	0	14.25	14.31	14.21			
40	16QAM	1	1	14.92	14.26	14.19	16.5	0.0	
40	16QAM	1	1	14.95	14.26	14.22	15.5	0.0	
40	256QAM	1	1	14.30	14.31	14.50	15.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1735	1745	1755			
30	QPSK	1	1	14.20	14.28	14.23	15.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1730	1745	1750			
30	QPSK	1	1	14.22	14.33	14.29	15.5	0.0	
Channel				343000	349000	354000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1717.5	1745	1772.5			
15	QPSK	1	1	14.30	14.28	14.30	15.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1715	1745	1775			
10	QPSK	1	1	14.33	14.29	14.29	15.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dB)	MPR	
Frequency [MHz]				1712.5	1745	1777.5			
5	QPSK	1	1	14.28	14.25	14.18	15.5	0.0	

Wifi&BT power

Default							
Mode	Channel	Frequency (MHz)	Ant 8				
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm)		Tune-up Limit
					2Mbps	3Mbps	
BR / EDR	CH 00	2402	17.30	19.00	14.80	14.80	16.50
	CH 39	2441	17.80	19.50	15.10	15.10	17.00
	CH 76	2480	17.10	19.00	14.30	14.30	16.00

Standalone/Simultaneous							
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm)		Tune-up Limit
					2Mbps	3Mbps	
BR / EDR	CH 00	2402	11.30	13.00	8.70	8.70	10.50
	CH 39	2441	12.25	14.00	9.40	9.50	11.00
	CH 76	2480	12.21	14.00	9.80	9.80	11.50

Default							
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm)		Tune-up Limit
					2Mbps	3Mbps	
LE	CH 00	2402	7.67	9.00	7.66		9.00
	CH 19	2440	8.08	9.50	8.06		9.50
	CH 39	2480	9.06	10.50	9.03		10.50

2.4GHz WLAN	2.4GHz WLAN			Default						For _Head Standalone						For _Head Simultaneous					
	Mode	Channel	Frequency	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7	
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.55	21.50	20.10	21.50	23.34	24.50	18.19	19.00	17.72	19.00	21.07	22.00	15.51	16.50	15.16	16.50	18.45	19.50
		6	2437	20.00	21.50	20.02	21.50	23.02	24.50	17.71	19.00	17.56	19.00	20.75	22.00	14.96	16.50	15.15	16.50	18.17	19.50
		11	2462	20.15	21.50	20.01	21.50	23.09	24.50	17.85	19.00	17.68	19.00	20.88	22.00	15.09	16.50	15.03	16.50	18.17	19.50
	802.11g 6Mbps	1	2412	19.04	20.50	19.00	20.50	22.03	23.50	17.50	19.00	17.50	19.00	20.51	22.00	15.01	16.50	14.97	16.50	18.10	19.50
		6	2437	19.00	20.50	19.01	20.50	22.02	23.50	17.51	19.00	17.45	19.00	20.49	22.00	14.94	16.50	14.91	16.50	18.04	19.50
		11	2462	17.10	18.50	17.00	18.50	20.06	21.50	17.10	18.50	17.00	18.50	20.06	21.50	15.12	16.50	14.90	16.50	18.12	19.50
	802.11n-HT20 MCS0	1	2412	19.05	20.50	19.02	20.50	22.05	23.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
		6	2437	19.01	20.50	19.02	20.50	22.03	23.50												
		11	2462	17.11	18.50	17.00	18.50	20.07	21.50												
	802.11n-HT40 MCS0	3	2422	17.02	18.50	16.75	18.50	19.90	21.50												
		6	2437	18.29	19.50	18.18	19.50	21.25	22.50												
		8	2447	15.22	17.00	15.50	17.00	18.37	20.00												
	802.11ac-VHT20 MCS0	1	2412	Not Required	19.50	Not Required	19.50	Not Required	22.50												
		6	2437		19.50		19.50		22.50												
		11	2462		19.50		19.50		22.50												
	802.11ac-VHT40 MCS0	3	2422		19.50		19.50		22.50												
		6	2437		19.50		19.50		22.50												
		9	2452		19.50		19.50		22.50												
	802.11ax-HE20 MCS0	1	2412	18.15	19.50	18.02	19.50	21.10	22.50												
		6	2437	18.06	19.50	18.05	19.50	21.07	22.50												
		11	2462	16.04	17.50	15.94	17.50	19.00	20.50												
	802.11ax-HE40 MCS0	3	2422	16.59	18.00	16.50	18.00	19.56	21.00												
		6	2437	18.03	19.50	18.01	19.50	21.03	22.50												
		9	2452	15.06	16.50	15.04	16.50	18.06	19.50												

5.2GHz WLAN	5.2GHz WLAN			Default						For _Head Standalone						For _Head Simultaneous					
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7	
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.68	18.00	16.71	18.00	19.71	21.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
		40	5200	17.66	19.00	18.16	19.00	20.93	22.00												
		44	5220	16.43	18.00	17.15	18.00	19.82	21.00												
		48	5240	16.31	18.00	17.17	18.00	19.77	21.00												
	802.11n-HT20 MCS0	36	5180	17.56	19.50	17.92	19.50	20.75	22.50												
		40	5200	17.58	19.50	17.91	19.50	20.76	22.50												
		44	5220	17.58	19.50	18.09	19.50	20.85	22.50												
		48	5240	17.56	19.50	18.06	19.50	20.83	22.50												
	802.11n-HT40 MCS0	38	5190	15.04	16.50	15.19	16.50	18.12	19.50												
		46	5230	17.55	19.50	18.10	19.50	20.84	22.50												
	802.11ac-VHT20 MCS0	36	5180	Not Required	19.50	Not Required	19.50	Not Required	22.50												
		40	5200		19.50		19.50		22.50												
		44	5220		19.50		19.50		22.50												
		48	5240		19.50		19.50		22.50												
	802.11ac-VHT40 MCS0	38	5190		19.50		19.50		22.50												
		46	5230		19.50		19.50		22.50												
	802.11ac-VHT80 MCS0	42	5210	14.16	16.00	14.10	16.00	17.15	19.00	13.18	15.00	13.16	15.00	16.28	18.00	9.51	11.50	9.68	11.50	12.71	14.50
	802.11ax-HE20 MCS0	36	5180	17.66	19.50	18.00	19.50	20.84	22.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
		40	5200	17.61	19.50	18.05	19.50	20.85	22.50												
		44	5220	17.65	19.50	18.23	19.50	20.96	22.50												
		48	5240	17.68	19.50	18.12	19.50	20.92	22.50												
	802.11ax-HE40 MCS0	38	5190	15.10	16.50	15.28	16.50	18.20	19.50												
		46	5230	17.65	19.50	18.27	19.50	20.98	22.50												
	802.11ax-HE80 MCS0	42	5210	14.20	16.00	14.22	16.00	17.22	19.00												

5.3GHz WLAN	5.3GHz WLAN			Default						For _Head Standalone						For _Head Simultaneous																
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7												
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit											
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.21	18.00	17.25	18.00	19.77	21.00	Not Required	15.00	Not Required	15.00	18.00	18.00	11.50	11.50	11.50	11.50	14.50												
		56	5280	17.49	19.00	18.41	19.00	20.98	22.00												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		60	5300	16.03	18.00	17.11	18.00	19.61	21.00												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
	64	5320	16.13	18.00	17.03	18.00	19.61	21.00	15.00												15.00	18.00	18.00	11.50	11.50	14.50						
	802.11n-HT20 MCS0	52	5260	17.59	19.50	18.11	19.50	20.87	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		56	5280	17.52	19.50	18.13	19.50	20.85	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		60	5300	17.51	19.50	18.07	19.50	20.81	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
	802.11n-HT40 MCS0	64	5320	15.74	17.50	16.42	17.50	19.11	20.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		54	5270	17.55	19.50	18.31	19.50	20.96	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		62	5310	14.56	16.50	15.42	16.50	18.03	19.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
	802.11ac-VHT20 MCS0	52	5260	Not Required	19.50	Not Required	19.50	Not Required	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		56	5280		19.50		19.50		18.00												18.00	11.50	11.50	14.50								
		60	5300		19.50		19.50		18.00												18.00	11.50	11.50	14.50								
	802.11ac-VHT40 MCS0	64	5320	19.50	19.50	22.50	15.00	15.00	18.00												18.00	11.50	11.50	14.50								
		54	5270	19.50	19.50	22.50	15.00	15.00	18.00												18.00	11.50	11.50	14.50								
		62	5310	19.50	19.50	22.50	15.00	15.00	18.00												18.00	11.50	11.50	14.50								
	802.11ac-VHT80 MCS0	58	5290	14.76	16.00	15.24	16.00	18.02	19.00												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
	802.11ac-VHT160 MCS0	50	5250	13.37	15.00	13.33	15.00	16.38	18.00												13.37	15.00	13.33	15.00	16.38	18.00	9.83	11.50	9.91	11.50	12.98	14.50
	802.11ax-HE20 MCS0	52	5260	17.63	19.50	18.25	19.50	20.96	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		56	5280	17.61	19.50	18.23	19.50	20.94	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		60	5300	17.60	19.50	18.24	19.50	20.94	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
	802.11ax-HE40 MCS0	64	5320	15.80	17.50	16.50	17.50	19.17	20.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		54	5270	17.60	19.50	18.48	19.50	21.07	22.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
		62	5310	14.63	16.50	15.50	16.50	18.10	19.50												15.00	15.00	18.00	18.00	11.50	11.50	14.50					
802.11ax-HE80 MCS0	58	5290	14.80	16.00	15.30	16.00	18.07	19.00	15.00	15.00	18.00	18.00	11.50	11.50	14.50																	
802.11ax-HE160 MCS0	50	5250	13.42	15.00	13.40	15.00	16.42	18.00	15.00	15.00	18.00	18.00	11.50	11.50	14.50																	

	5.5GHz WLAN				Default				For _Head Standalone				For _Head Simultaneous											
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7				
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit			
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.53	18.00	16.33	18.00	19.44	21.00	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	11.00	Not Required	11.00	Not Required	14.00			
		116	5580	16.83	18.50	16.55	18.50	19.70	21.50		14.50		14.50		17.50		11.00		11.00		14.00			
		124	5620	17.52	19.50	18.07	19.50	20.81	22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		132	5660	17.49	19.00	18.06	19.00	20.79	22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		140	5700	16.23	18.00	17.14	18.00	19.72	21.00		14.50		14.50		17.50		11.00		11.00		14.00			
		144	5720	15.73	17.50	17.12	17.50	19.49	20.50		14.50		14.50		17.50		11.00		11.00		14.00			
	802.11n-HT20 MCS0	100	5500	16.62	18.00	16.18	18.00	19.41	21.00		14.50		14.50		17.50		11.00		11.00		14.00			
		116	5580	18.07	19.50	17.75	19.50	20.92	22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		124	5620	17.27	19.00	18.02	19.00	20.67	22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		132	5660	17.34	19.00	17.99	19.00	20.69	22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		140	5700	16.57	18.50	17.12	18.50	19.83	21.50		14.50		14.50		17.50		11.00		11.00		14.00			
		144	5720	17.15	19.00	18.16	19.00	20.89	22.00		14.50		14.50		17.50		11.00		11.00		14.00			
	802.11n-HT40 MCS0	102	5510	14.62	15.50	13.89	15.50	17.31	18.50		14.50		14.50		17.50		11.00		11.00		14.00			
		110	5550	18.13	19.50	17.54	19.50	20.81	22.50		Not Required		14.50		Not Required		14.50		Not Required		17.50	11.00	11.00	14.00
		126	5630	17.58	19.50	17.51	19.50	20.56	22.50				14.50				14.50				17.50	11.00	11.00	14.00
		134	5670	17.20	19.00	17.56	19.00	20.41	22.00				14.50				14.50				17.50	11.00	11.00	14.00
		142	5710	17.52	19.50	18.21	19.50	20.89	22.50				14.50				14.50				17.50	11.00	11.00	14.00
		144	5720	17.15	19.00	18.16	19.00	20.89	22.00				14.50				14.50				17.50	11.00	11.00	14.00
	802.11ac-VHT20 MCS0	100	5500	Not Required	19.50	Not Required	19.50	Not Required	22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		116	5580		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		124	5620		19.00		19.00		22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		132	5660		19.00		19.00		22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		140	5700		19.00		19.00		22.00		14.50		14.50		17.50		11.00		11.00		14.00			
		144	5720		19.00		19.00		22.00		14.50		14.50		17.50		11.00		11.00		14.00			
	802.11ac-VHT40 MCS0	102	5510	Not Required	19.50	Not Required	19.50	Not Required	22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		110	5550		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		126	5630		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		134	5670		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		142	5710		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
		144	5720		19.50		19.50		22.50		14.50		14.50		17.50		11.00		11.00		14.00			
	802.11ac-VHT80 MCS0	106	5530	13.89	14.50	12.84	14.50	16.41	17.50	13.89	14.50	12.84	14.50	16.41	17.50	11.00	11.00	14.00						
		122	5610	17.61	18.50	16.56	18.50	20.13	21.50	13.45	14.50	12.59	14.50	16.15	17.50	11.00	11.00	14.00						
		138	5690	17.29	18.50	17.26	18.50	20.29	21.50	13.59	14.50	13.01	14.50	16.42	17.50	11.00	11.00	14.00						
	802.11ac-VHT160 MCS0	114	5570	12.45	13.50	11.50	13.50	15.01	16.50	13.50	13.50	16.50	10.26	9.52	13.02	14.00								
	802.11ax-HE20 MCS0	100	5500	16.70	18.00	16.22	18.00	19.48	21.00	14.50	14.50	17.50	11.00	11.00	14.00									
		116	5580	18.25	19.50	17.82	19.50	21.05	22.50	14.50	14.50	17.50	11.00	11.00	14.00									
		124	5620	17.39	19.00	18.06	19.00	20.75	22.00	14.50	14.50	17.50	11.00	11.00	14.00									
		132	5660	17.37	19.00	18.05	19.00	20.73	22.00	14.50	14.50	17.50	11.00	11.00	14.00									
		140	5700	16.60	18.50	17.15	18.50	19.89	21.50	14.50	14.50	17.50	11.00	11.00	14.00									
		144	5720	17.23	19.00	18.30	19.00	20.81	22.00	14.50	14.50	17.50	11.00	11.00	14.00									
	802.11ax-HE40 MCS0	102	5510	14.68	15.50	13.95	15.50	17.34	18.50	Not Required	14.50	Not Required	14.50	Not Required	17.50	11.00	11.00	14.00						
		110	5550	18.25	19.50	17.55	19.50	20.92	22.50		14.50		14.50		17.50	11.00	11.00	14.00						
		126	5630	17.64	19.50	17.56	19.50	20.61	22.50		14.50		14.50		17.50	11.00	11.00	14.00						
		134	5670	17.23	19.00	17.60	19.00	20.43	22.00		14.50		14.50		17.50	11.00	11.00	14.00						
		142	5710	17.57	19.50	18.35	19.50	20.99	22.50		14.50		14.50		17.50	11.00	11.00	14.00						
		144	5720	17.15	19.00	18.16	19.00	20.89	22.00	14.50	14.50	17.50	11.00	11.00	14.00									
	802.11ax-HE80 MCS0	106	5530	13.95	14.50	12.88	14.50	16.46	17.50	14.50	14.50	17.50	11.00	11.00	14.00									
		122	5610	17.78	18.50	16.76	18.50	20.31	21.50	14.50	14.50	17.50	11.00	11.00	14.00									
		138	5690	17.40	19.00	17.30	19.00	20.36	22.00	14.50	14.50	17.50	11.00	11.00	14.00									
	802.11ax-HE160 MCS0	114	5570	12.50	13.50	11.52	13.50	15.05	16.50	13.50	13.50	16.50	11.00	11.00	14.00									

	5.8GHz WLAN			Default						For _Head Standalone						For _Head Simultaneous										
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7						
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit					
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.65	19.50	18.37	19.50	21.04	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		157	5785	17.73	19.50	18.49	19.50	21.14	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		165	5825	17.58	19.50	18.46	19.50	21.05	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
	802.11n-HT20 MCS0	149	5745	17.52	19.50	18.11	19.50	20.84	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		157	5785	17.59	19.50	18.28	19.50	20.96	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		165	5825	17.51	19.50	18.33	19.50	20.95	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
	802.11n-HT40 MCS0	151	5755	17.65	19.50	18.30	19.50	21.05	22.50	Not Required		Not Required		14.50	Not Required	17.50	Not Required		Not Required		10.00	Not Required	13.00			
		159	5795	17.51	19.50	18.26	19.50	20.91	22.50				14.50			17.50				10.00			13.00			
		149	5745		19.50		19.50		22.50				14.50			14.50				17.50			10.00		13.00	
	802.11ac-VHT20 MCS0	157	5785	Not Required		19.50	Not Required		19.50	Not Required		14.50		14.50		17.50		10.00		10.00		13.00				
		165	5825			19.50			19.50			22.50		14.50		14.50		17.50		10.00		13.00				
		151	5755			19.50			19.50			22.50		14.50		14.50		17.50		10.00		13.00				
	802.11ac-VHT40 MCS0	159	5795		19.50		19.50		22.50		14.50		14.50		17.50		10.00		10.00		13.00					
	802.11ac-VHT80 MCS0	155	5775	17.11	19.00	17.89	19.00	20.54	22.00	13.16	14.50	13.74	14.50	16.57	17.50	8.71	10.00	9.62	10.00	12.30	13.00					
	802.11ax-HE20 MCS0	149	5745	17.59	19.50	18.28	19.50	20.96	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		157	5785	17.65	19.50	18.46	19.50	21.08	22.50		14.50		14.50		17.50		10.00		10.00		13.00					
		165	5825	17.55	19.50	18.43	19.50	21.02	22.50	Not Required		Not Required		14.50	Not Required	17.50	Not Required		Not Required		10.00	Not Required	13.00			
	802.11ax-HE40 MCS0	151	5755	17.74	19.50	18.47	19.50	21.13	22.50				14.50			14.50				17.50			10.00		10.00	
159	5795	17.55	19.50	18.42	19.50	21.02	22.50		14.50				14.50			17.50				10.00			10.00		13.00	
802.11ax-HE80 MCS0	155	5775	17.19	19.00	17.98	19.00	20.61	22.00		14.50		14.50		17.50		10.00		10.00		13.00						

2.4GHz WLAN	2.4GHz WLAN			For_Body Standalone						For_Body Simultaneous						For_Extimty Standalone					
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7	
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.09	19.00	17.71	19.00	21.01	22.00	16.12	17.00	15.61	17.00	18.98	20.00	19.55	20.50	19.51	20.50	22.64	23.50
		6	2437	17.42	19.00	17.41	19.00	20.53	22.00	15.48	17.00	15.42	17.00	18.56	20.00	19.16	20.50	19.11	20.50	22.25	23.50
		11	2462	17.53	19.00	17.51	19.00	20.63	22.00	15.47	17.00	15.46	17.00	18.58	20.00	19.15	20.50	19.12	20.50	22.25	23.50
	802.11g 6Mbps	1	2412	17.59	19.00	17.57	19.00	20.89	22.00	15.52	17.00	15.37	17.00	18.56	20.00	19.04	20.50	19.00	20.50	22.03	23.50
		6	2437	17.59	19.00	17.51	19.00	20.66	22.00	15.46	17.00	15.46	17.00	18.57	20.00	19.00	20.50	19.01	20.50	22.02	23.50
		11	2462	17.10	18.50	17.00	18.50	20.06	21.50	15.54	17.00	15.47	17.00	18.62	20.00	17.10	18.50	17.00	18.50	20.06	21.50
	802.11n-HT20 MCS0	1	2412		19.00		19.00		22.00		17.00		17.00		20.00		20.50		20.50		23.50
		6	2437		19.00		19.00		22.00		17.00		17.00		20.00		20.50		20.50		23.50
		11	2462		18.50		18.50		21.50		17.00		17.00		20.00		18.50		18.50		21.50
	802.11n-HT40 MCS0	3	2422		18.50		18.50		21.50		17.00		17.00		20.00		18.50		18.50		21.50
		6	2437		18.50		18.50		21.50		17.00		17.00		20.00		19.50		19.50		22.50
		8	2447		17.00		17.00		20.00		17.00		17.00		20.00		17.00		17.00		20.00
	802.11ac-VHT20 MCS0	9	2452		16.00		16.00		19.00		16.00		16.00		19.00		16.00		16.00		19.00
		1	2412		19.00		19.00		22.00		17.00		17.00		20.00		19.50		19.50		22.50
		6	2437		19.00		19.00		22.00		17.00		17.00		20.00		19.50		19.50		22.50
	802.11ac-VHT40 MCS0	11	2462	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	19.50	Not Required	19.50	Not Required	22.50
		3	2422		18.50		18.50		21.50		17.00		17.00		20.00		19.50		19.50		22.50
		6	2437		18.50		18.50		21.50		17.00		17.00		20.00		19.50		19.50		22.50
	802.11ax-HE20 MCS0	9	2452		16.50		16.50		19.50		17.00		17.00		20.00		19.50		19.50		22.50
		1	2412		19.00		19.00		22.00		17.00		17.00		20.00		19.50		19.50		22.50
		6	2437		19.00		19.00		22.00		17.00		17.00		20.00		19.50		19.50		22.50
	802.11ax-HE40 MCS0	11	2462		17.50		17.50		20.50		17.00		17.00		20.00		17.50		17.50		20.50
		3	2422		18.50		18.50		21.50		17.00		17.00		20.00		18.00		18.00		21.00
		6	2437		18.50		18.50		21.50		17.00		17.00		20.00		19.50		19.50		22.50
		9	2452		16.50		16.50		19.50		16.50		16.50		19.50		16.50		16.50		19.50

5.2GHz WLAN	5.2GHz WLAN			For_Body Standalone						For_Body Simultaneous						For_Extimty Standalone					
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7	
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180		17.00		17.00		20.00		13.00		13.00		16.00		18.00		18.00		21.00
		40	5200		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		44	5220		17.00		17.00		20.00		13.00		13.00		16.00		18.00		18.00		21.00
	802.11n-HT20 MCS0	48	5240	Not Required	17.00	Not Required	17.00	Not Required	20.00		13.00		13.00		16.00	Not Required	18.00	Not Required	18.00	Not Required	21.00
		36	5180		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		40	5200		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
	802.11n-HT40 MCS0	44	5220		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		48	5240		17.00		17.00		20.00	Not Required	13.00	Not Required	13.00	Not Required	16.00		19.00		19.00		22.00
	802.11ac-VHT20 MCS0	38	5190	15.04	16.50	15.19	16.50	18.12	19.50	Not Required	13.00	Not Required	13.00	Not Required	16.00	15.04	16.50	15.19	16.50	18.12	19.50
		46	5230	15.16	17.00	15.61	17.00	18.50	20.00		13.00		13.00		16.00	17.41	19.00	17.58	19.00	20.61	22.00
		36	5180		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
	802.11ac-VHT40 MCS0	40	5200		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		44	5220		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		48	5240		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
	802.11ax-HE20 MCS0	38	5190		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		46	5230		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		42	5210	Not Required	16.00	Not Required	16.00	Not Required	19.00	11.32	13.00	11.28	13.00	14.41	16.00	Not Required	16.00	Not Required	16.00	Not Required	19.00
	802.11ax-HE40 MCS0	36	5180		17.00		17.00		20.00		13.00		13.00		16.00	Not Required	19.00	Not Required	19.00	Not Required	22.00
		40	5200		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
		44	5220		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
	802.11ax-HE80 MCS0	48	5240		17.00		17.00		20.00	Not Required	13.00	Not Required	13.00	Not Required	16.00		19.00		19.00		22.00
		38	5190		16.50		16.50		19.50	Not Required	13.00	Not Required	13.00	Not Required	16.00		16.50		16.50		19.50
		46	5230		17.00		17.00		20.00		13.00		13.00		16.00		19.00		19.00		22.00
	802.11ax-HE160 MCS0	42	5210		16.00		16.00		19.00		13.00		13.00		16.00		16.00		16.00		19.00

5.3GHz WLAN	5.3GHz WLAN			For_Body Standalone						For_Body Simultaneous						For_Extimty Standalone					
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7	
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required	18.00	Not Required	18.00	Not Required	21.00
		56	5280		17.00		17.00		20.00		13.00		13.00		16.00		18.50		18.50		21.50
		60	5300		17.00		17.00		20.00		13.00		13.00		16.00		18.00		18.00		21.00
	802.11n-HT20 MCS0	64	5320		17.00		17.00		20.00		13.00		13.00		16.00		18.00		18.00		21.00
	52	5260	17.00		17.00		20.00		13.00		13.00		16.00		18.50		18.50		21.50		
	56	5280	17.00		17.00		20.00		13.00		13.00		16.00		18.50		18.50		21.50		
	60	5300	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50										
	64	5320	17.00	17.00	20.00	13.00	13.00	16.00	17.50	17.50	20.50										
	802.11n-HT40 MCS0	54	5270	15.59	17.00	15.86	17.00	18.84	20.00	Not Required	Not Required	Not Required	16.00	16.94	18.50	17.41	18.50	20.29	21.50		
	62	5310	14.56	16.50	15.42	16.50	18.03	19.50	16.00				14.56	16.50	15.42	16.50	18.03	19.50			
	52	5260	17.00	17.00	20.00	13.00	13.00	16.00	18.50				18.50	21.50							
	802.11ac-VHT20 MCS0	56	5280	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50									
	60	5300	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50										
	64	5320	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50										
	802.11ac-VHT40 MCS0	54	5270	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50									
	62	5310	17.00	17.00	20.00	13.00	13.00	16.00	18.50	18.50	21.50										
	802.11ac-VHT80 MCS0	58	5290	16.00	16.00	19.00	13.00	13.00	16.00	18.00	18.00	19.00									
	802.11ac-VHT160 MCS0	50	5250	Not Required	15.00	Not Required	15.00	Not Required	18.00	11.59	13.00	11.62	13.00	14.72	16.00	Not Required	15.00	Not Required	15.00	Not Required	18.00
	52	5260	17.00		17.00		20.00		13.00	13.00	16.00	18.50	21.50								
	56	5280	17.00		17.00		20.00		13.00	13.00	16.00	18.50	21.50								
	60	5300	17.00		17.00		20.00		13.00	13.00	16.00	18.50	21.50								
	802.11ax-HE20 MCS0	64	5320		17.00		17.00		20.00	Not Required	Not Required	Not Required	16.00	17.50	17.50		20.50				
	54	5270	17.00		17.00		20.00		16.00				18.50	18.50	21.50						
	62	5310	16.50	16.50	19.50	13.00	13.00	16.50	19.50												
802.11ax-HE80 MCS0	58	5290	16.00	16.00	19.00	13.00	13.00	16.00	18.00	18.00	19.00										
802.11ax-HE160 MCS0	50	5250	15.00	15.00	18.00	13.00	13.00	16.00	15.00	15.00	18.00										

	5.5GHz WLAN			For_Body Standalone						For_Body Simultaneous				For_Extimly Standalone								
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		116	5580	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		124	5620	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		132	5660	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		140	5700	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		144	5720	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
	802.11n-HT20 MCS0	100	5500	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		116	5580	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		124	5620	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		132	5660	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		140	5700	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		144	5720	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
	802.11n-HT40 MCS0	102	5510	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		110	5550	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		126	5630	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		134	5670	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		142	5710	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		100	5500	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
	802.11ac-VHT20 MCS0	116	5580	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		124	5620	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		132	5660	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		140	5700	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		144	5720	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		102	5510	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
	802.11ac-VHT40 MCS0	110	5550	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		126	5630	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		134	5670	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		142	5710	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		106	5530	13.89	14.50	12.84	14.50	16.41	17.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.89	14.50	12.84	14.50	16.41	17.50
		122	5619	14.85	15.50	13.87	15.50	17.50	18.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	17.54	18.00	16.42	18.00	20.13	21.00
	802.11ac-VHT80 MCS0	138	5690	14.56	15.50	14.32	15.50	17.55	18.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	17.31	18.00	16.68	18.00	20.12	21.00
		802.11ac-VHT160 MCS0	114	5570	13.50	13.50	13.50	16.50	12.01	13.00	11.37	13.00	14.81	16.00	13.50	13.50	16.50	16.50				
	802.11ax-HE20 MCS0	100	5500	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		116	5580	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		124	5620	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		132	5660	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		140	5700	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		144	5720	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
	802.11ax-HE40 MCS0	102	5510	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
		110	5550	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	
126		5630	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00		
134		5670	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00		
142		5710	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00		
106		5530	14.50	14.50	17.50	17.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	14.50	14.50	17.50	17.50			
802.11ax-HE80 MCS0	122	5610	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00		
	138	5690	15.50	15.50	15.50	15.50	15.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00		
802.11ax-HE160 MCS0	114	5570	13.50	13.50	13.50	16.50	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.50	13.50	13.50	16.50			

	5.8GHz WLAN			For_Body Standalone						For_Body Simultaneous						For_Extimly Standalone																			
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7															
				Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit	Average power (dBm)	Time-up Limit												
5.8GHz WLAN	802.11a 6Mbps	149	5745		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		157	5785		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		165	5825		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
	802.11n-HT20 MCS0	149	5745		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		157	5785		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		165	5825		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
	802.11n-HT40 MCS0	151	5755	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	13.00	Not Required	13.00	Not Required	16.00	17.58	19.00	18.06	19.00	20.94	19.00	20.94	22.00												
		159	5795																					16.50	16.50	19.50	13.00	13.00	16.00	17.51	19.00	18.26	19.00	20.91	22.00
		149	5745																					16.50	16.50	19.50	13.00	13.00	16.00	19.00	19.00	19.00	22.00		
	802.11ac-VHT20 MCS0	157	5785		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		165	5825		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		151	5755		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
	802.11ac-VHT40 MCS0	159	5795		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
		802.11ac-VHT80 MCS0	155	5775	15.19	16.50	15.98	16.50	18.71	19.50	11.94	13.00	12.51	13.00	15.34	16.00	Not Required	19.00	Not Required	19.00	Not Required	19.00	22.00												
	802.11ax-HE20 MCS0	149	5745		16.50		16.50		19.50		13.00		13.00		16.00			19.00				19.00		19.00		22.00									
		157	5785		16.50		16.50		19.50		13.00		13.00		16.00			19.00				19.00		19.00		22.00									
		165	5825		16.50		16.50		19.50		13.00		13.00		16.00		19.00		19.00		19.00		22.00												
	802.11ax-HE40 MCS0	151	5755	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	13.00	Not Required	13.00	Not Required	16.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	22.00												
159		5795	16.50																					16.50	19.50	13.00	13.00	16.00	19.00	19.00	19.00	22.00			
802.11ax-HE80 MCS0		155	5775																					16.50	16.50	19.50	13.00	13.00	16.00	19.00	19.00	19.00	22.00		

2.4GHz WLAN	2.4GHz WLAN			For _Extimly Simultaneous												For _Hotspot				Duty Cycle %
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7						
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit					
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.53	15.50	14.36	15.50	17.56	18.50	16.12	17.00	15.61	17.00	18.98	20.00	100.00				
		6	2437	14.42	15.50	14.09	15.50	17.37	18.50	15.48	17.00	15.42	17.00	18.56	20.00					
		11	2462	14.06	15.50	14.06	15.50	17.17	18.50	15.47	17.00	15.46	17.00	18.58	20.00					
	802.11g 6Mbps	1	2412	13.94	15.50	13.97	15.50	17.07	18.50	15.52	17.00	15.37	17.00	18.56	20.00	99.18				
		6	2437	13.97	15.50	13.91	15.50	17.05	18.50	15.46	17.00	15.46	17.00	18.57	20.00					
		11	2462	14.26	15.50	14.11	15.50	17.30	18.50	15.54	17.00	15.47	17.00	18.62	20.00					
	802.11n-HT20 MCS0	1	2412		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		11	2462		15.50		15.50		18.50		17.00		17.00		20.00					
	802.11n-HT40 MCS0	3	2422		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		8	2447		15.50		15.50		18.50		17.00		17.00		20.00					
	802.11ac-VHT20 MCS0	1	2412		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		11	2462		15.50		15.50		18.50		17.00		17.00		20.00					
	802.11ac-VHT40 MCS0	3	2422		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		9	2452		15.50		15.50		18.50		17.00		17.00		20.00					
	802.11ax-HE20 MCS0	1	2412		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		11	2462		15.50		15.50		18.50		17.00		17.00		20.00					
	802.11ax-HE40 MCS0	3	2422		15.50		15.50		18.50		17.00		17.00		20.00	100.00				
		6	2437		15.50		15.50		18.50		17.00		17.00		20.00					
		9	2452		15.50		15.50		18.50		17.00		17.00		20.00					

	5.2GHz WLAN			For _Extremity Simultaneous						For _Hotspot						Duty Cycle %						
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7								
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit							
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required	13.50	Not Required	13.50	Not Required	16.50	99.32						
		40	5200		13.00		13.00		16.00		13.50		13.50		16.50							
		44	5220		13.00		13.00		16.00		13.50		13.50		16.50							
		48	5240		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11n-HT20 MCS0	36	5180		13.00		13.00		16.00		13.50		13.50		16.50	100.00						
		40	5200		13.00		13.00		16.00		13.50		13.50		16.50							
		44	5220		13.00		13.00		16.00		13.50		13.50		16.50							
		48	5240		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11n-HT40 MCS0	38	5190		13.00		13.00		16.00		13.50		13.50		16.50	100.00						
		46	5230		13.00		13.00		16.00		13.50		13.50		16.50							
		36	5180		13.00		13.00		16.00		13.50		13.50		16.50							
		40	5200		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11ac-VHT20 MCS0	44	5220		13.00		13.00		16.00		13.50		13.50		16.50	100.00						
		48	5240		13.00		13.00		16.00		13.50		13.50		16.50							
		38	5190		13.00		13.00		16.00		13.50		13.50		16.50							
		46	5230		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11ac-VHT40 MCS0	42	5210		11.89		13.00		11.58		13.00		14.85		16.00	11.81	13.50	11.84	13.50	14.94	16.50	100.00
		36	5180		13.00		13.00		16.00		13.50		13.50		16.50							
		40	5200		13.00		13.00		16.00		13.50		13.50		16.50							
		44	5220		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11ax-HE20 MCS0	48	5240		13.00		13.00		16.00		13.50		13.50		16.50	100.00						
		38	5190		13.00		13.00		16.00		13.50		13.50		16.50							
		46	5230		13.00		13.00		16.00		13.50		13.50		16.50							
		42	5210		13.00		13.00		16.00		13.50		13.50		16.50							
	802.11ax-HE40 MCS0	36	5180		13.00		13.00		16.00		13.50		13.50		16.50	100.00						
		40	5200		13.00		13.00		16.00		13.50		13.50		16.50							
		44	5220		13.00		13.00		16.00		13.50		13.50		16.50							
48		5240	13.00	13.00	16.00	13.50	13.50	16.50														
802.11ax-HE80 MCS0	38	5190	13.00	13.00	16.00	13.50	13.50	16.50	100.00													
	46	5230	13.00	13.00	16.00	13.50	13.50	16.50														
	42	5210	13.00	13.00	16.00	13.50	13.50	16.50														
	36	5180	13.00	13.00	16.00	13.50	13.50	16.50														
802.11ax-HE160 MCS0	40	5200	13.00	13.00	16.00	13.50	13.50	16.50	100.00													
	44	5220	13.00	13.00	16.00	13.50	13.50	16.50														
	48	5240	13.00	13.00	16.00	13.50	13.50	16.50														
	38	5190	13.00	13.00	16.00	13.50	13.50	16.50														

	5.3GHz WLAN			For _Extremity Simultaneous						Duty Cycle %			
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7					
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit				
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	13.50	Not Required	13.50	Not Required	16.50	99.32			
		56	5280		13.50		13.50		16.50				
		60	5300		13.50		13.50		16.50				
		64	5320		13.50		13.50		16.50				
	802.11n-HT20 MCS0	52	5260		13.50		13.50		16.50	100.00			
		56	5280		13.50		13.50		16.50				
		60	5300		13.50		13.50		16.50				
		64	5320		13.50		13.50		16.50				
	802.11n-HT40 MCS0	54	5270		13.50		13.50		16.50	100.00			
		62	5310		13.50		13.50		16.50				
	802.11ac-VHT20 MCS0	52	5260		13.50		13.50		16.50	100.00			
		56	5280		13.50		13.50		16.50				
		60	5300		13.50		13.50		16.50				
		64	5320		13.50		13.50		16.50				
	802.11ac-VHT40 MCS0	54	5270		13.50		13.50		16.50	100.00			
		62	5310		13.50		13.50		16.50				
	802.11ac-VHT80 MCS0	58	5290		13.50		13.50		16.50	100.00			
		802.11ac-VHT160 MCS0	50		5250		11.91		13.50		11.89	13.50	15.01
	802.11ax-HE20 MCS0	52	5260		Not Required		13.50		Not Required	13.50	Not Required	16.50	100.00
		56	5280				13.50			13.50		16.50	
		60	5300				13.50			13.50		16.50	
		64	5320				13.50			13.50		16.50	
	802.11ax-HE40 MCS0	54	5270		13.50		13.50		16.50	100.00			
		62	5310		13.50		13.50		16.50				
	802.11ax-HE80 MCS0	58	5290		13.50		13.50		16.50	100.00			
	802.11ax-HE160 MCS0	50	5250		13.50		13.50		16.50	100.00			

	5.5GHz WLAN			For _Extremity Simultaneous						Duty Cycle %
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	13.00	Not Required	13.00	Not Required	16.00	99.32
		116	5580		13.00		13.00		16.00	
		124	5620		13.00		13.00		16.00	
		132	5660		13.00		13.00		16.00	
		140	5700		13.00		13.00		16.00	
		144	5720		13.00		13.00		16.00	
	802.11n-HT20 MCS0	100	5500		13.00		13.00		16.00	100.00
		116	5580		13.00		13.00		16.00	
		124	5620		13.00		13.00		16.00	
		132	5660		13.00		13.00		16.00	
		140	5700		13.00		13.00		16.00	
		144	5720		13.00		13.00		16.00	
	802.11n-HT40 MCS0	102	5510		13.00		13.00		16.00	100.00
		110	5550		13.00		13.00		16.00	
		126	5630		13.00		13.00		16.00	
		134	5670		13.00		13.00		16.00	
		142	5710		13.00		13.00		16.00	
		144	5720		13.00		13.00		16.00	
	802.11ac-VHT20 MCS0	100	5500		13.00		13.00		16.00	100.00
		116	5580		13.00		13.00		16.00	
		124	5620		13.00		13.00		16.00	
		132	5660		13.00		13.00		16.00	
		140	5700		13.00		13.00		16.00	
		144	5720		13.00		13.00		16.00	
	802.11ac-VHT40 MCS0	102	5510		13.00		13.00		16.00	100.00
		110	5550		13.00		13.00		16.00	
		126	5630		13.00		13.00		16.00	
		134	5670		13.00		13.00		16.00	
		142	5710		13.00		13.00		16.00	
		144	5720		13.00		13.00		16.00	
802.11ac-VHT80 MCS0	106	5530	13.00	13.00	16.00	100.00				
	122	5610	13.00	13.00	16.00					
	138	5690	13.00	13.00	16.00					
	144	5720	13.00	13.00	16.00					
	114	5570	12.02	13.00	11.16		13.00	14.72	16.00	100.00
	802.11ax-HE20 MCS0	100	5500	Not Required	13.00		Not Required	13.00	Not Required	16.00
116		5580	13.00		13.00	16.00				
124		5620	13.00		13.00	16.00				
132		5660	13.00		13.00	16.00				
140		5700	13.00		13.00	16.00				
144		5720	13.00		13.00	16.00				
802.11ax-HE40 MCS0	102	5510	13.00		13.00	16.00		100.00		
	110	5550	13.00		13.00	16.00				
	126	5630	13.00		13.00	16.00				
	134	5670	13.00		13.00	16.00				
	142	5710	13.00		13.00	16.00				
	144	5720	13.00		13.00	16.00				
802.11ax-HE80 MCS0	106	5530	13.00		13.00	16.00		100.00		
	122	5610	13.00		13.00	16.00				
	138	5690	13.00		13.00	16.00				
802.11ax-HE160 MCS0	114	5570	13.00		13.00	16.00		100.00		

	5.8GHz WLAN			For _Extremity Simultaneous												For _Hotspot						Duty Cycle %
	Mode	Channel	Frequency (MHz)	Ant 8		Ant 7		Ant 8+7		Ant 8		Ant 7		Ant 8+7								
				Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit							
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	12.50	Not Required	12.50	Not Required	15.50	Not Required	12.50	Not Required	12.50	Not Required	15.50	99.32						
		157	5785		12.50		12.50		15.50		12.50		12.50		15.50							
		165	5825		12.50		12.50		15.50		12.50		12.50		15.50							
	802.11n-HT20 MCS0	149	5745		12.50		12.50		15.50		12.50		12.50		15.50	100.00						
		157	5785		12.50		12.50		15.50		12.50		12.50		15.50							
		165	5825		12.50		12.50		15.50		12.50		12.50		15.50							
	802.11n-HT40 MCS0	151	5755		12.50		12.50		15.50		12.50		12.50		15.50	100.00						
		159	5795		12.50		12.50		15.50		12.50		12.50		15.50							
		149	5745		12.50		12.50		15.50		12.50		12.50		15.50							
	802.11ac-VHT20 MCS0	157	5785		12.50		12.50		15.50		12.50		12.50		15.50	100.00						
		165	5825		12.50		12.50		15.50		12.50		12.50		15.50							
		151	5755		12.50		12.50		15.50		12.50		12.50		15.50							
	802.11ac-VHT40 MCS0	159	5795		12.50		12.50		15.50		12.50		12.50		15.50	100.00						
		155	5775		12.50		12.50		15.50		12.50		12.50		15.50							
		149	5745		12.50		12.50		15.50		12.50		12.50		15.50							
802.11ac-VHT80 MCS0	155	5775	11.28	12.50	11.98	12.50	14.75	15.50	11.37	12.50	12.05	12.50	14.83	15.50	100.00							
802.11ax-HE20 MCS0	149	5745	Not Required	12.50	Not Required	12.50	Not Required	15.50	Not Required	12.50	Not Required	12.50	Not Required	15.50	100.00							
	157	5785		12.50		12.50		15.50		12.50		12.50		15.50								
	165	5825		12.50		12.50		15.50		12.50		12.50		15.50								
802.11ax-HE40 MCS0	151	5755		12.50		12.50		15.50		12.50		12.50		15.50	100.00							
	159	5795		12.50		12.50		15.50		12.50		12.50		15.50								
	155	5775		12.50		12.50		15.50		12.50		12.50		15.50								
802.11ax-HE80 MCS0	155	5775		12.50		12.50		15.50		12.50		12.50		15.50	100.00							
	151	5755		12.50		12.50		15.50		12.50		12.50		15.50								
	149	5745		12.50		12.50		15.50		12.50		12.50		15.50								